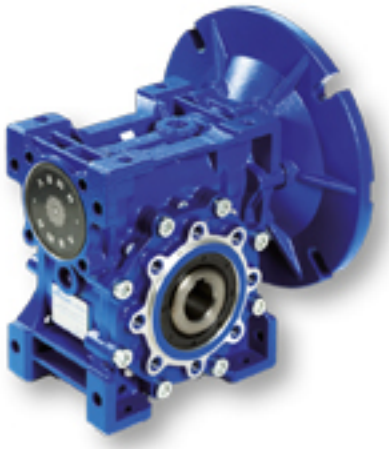
VSF SERIES

МЕХАНИКАЛ ПРОДАКТС

Worm gear reducers and Worm geared motors

NMRV POWER



NMRV®



MOTOVARIO®

HEART OF MOTION

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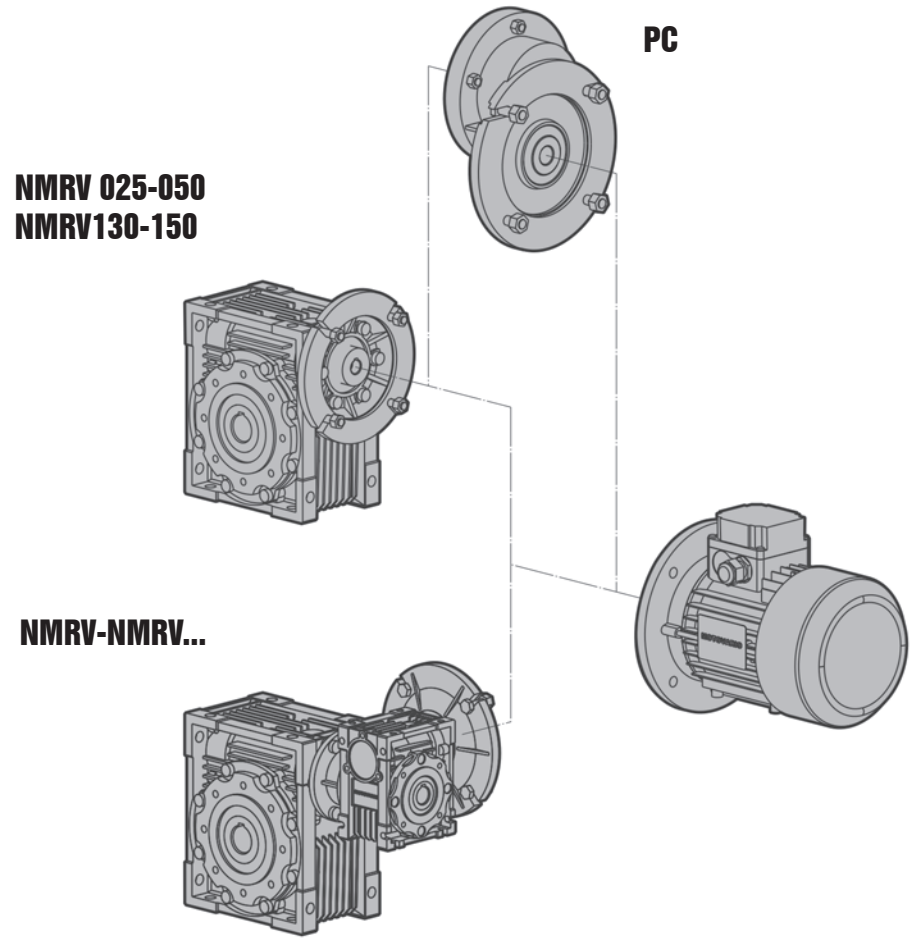
Symbols

P = Power (HP)
M = Torque (in-lb)
n = Speed (RPM)
i = Reduction ratio
F = Load (lb)
m = Weight (lb)
s.f. = Service factor
1 = Input shaft
2 = Output shaft
r = Overhung load (OHL)
a = Thrust load
s = Static
d = Dynamic
max = Maximum
min = Minimum

Specification

On request, reducers can be manufactured in compliance with the directive: ATEX 94/9/CE
categories: 2GD T=135 °C (T4)
3GD T=135 °C (T4)
with n1 max = 1750 rpm

Modularity



NMRV 025-150 - Worm gear reducers and gearmotors

NRV 030-150 - Worm gear reducer

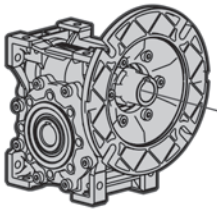
PC - Pre-stage reduction unit

NMRV-NMRV... - Combined worm gear reducers and gearmotors

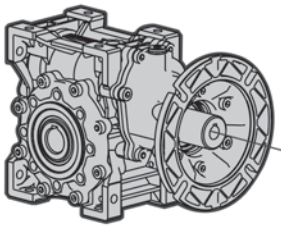
NRV-NMRV... - Combined worm gear reducer

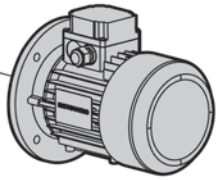
Modularity

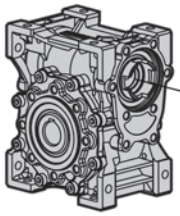
NMRVpower063-110

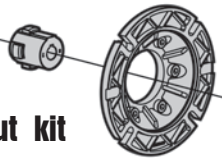


NMRVpower063-075/HW30
NMRVpower090-110/HW40

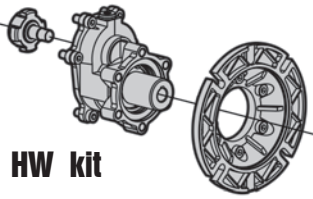








input kit



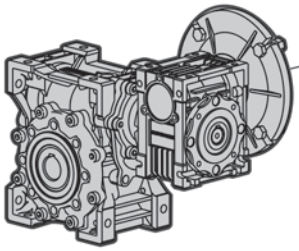
HW kit

NMRVpower063-110 base
(distribution network)

NMRVpower 063-110
- Worm gear reducers and gearmotors

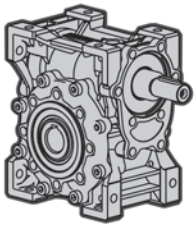
NRVpower 063-110
- Worm gear reducer

NMRV-NMRVpower...
NMRVpower-NMRV...
NMRVpower-NMRVpower...



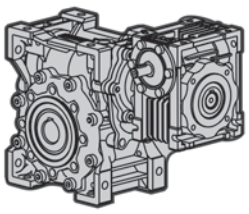
NMRVpower/HW
- Worm gear reducers and gearmotors with pre-stage

NRVpower063-110



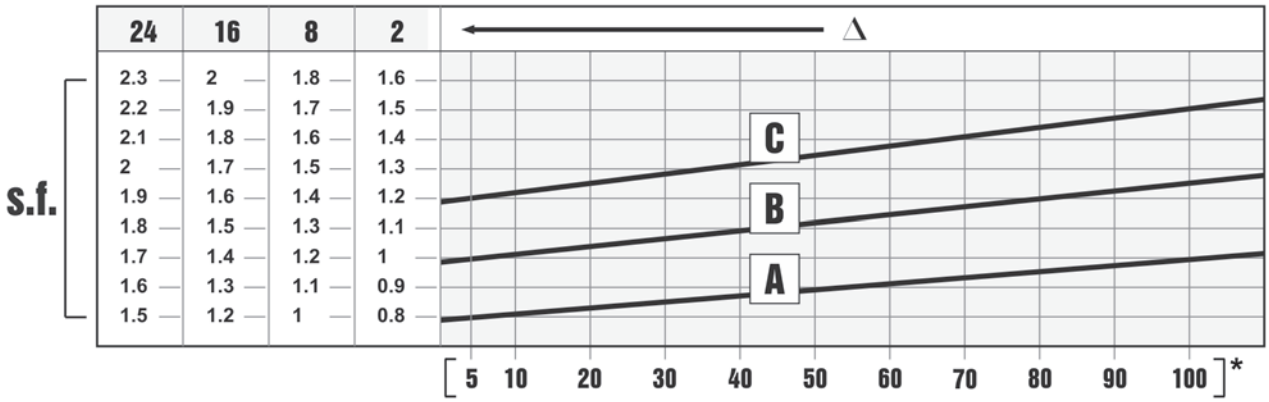
NMRV-NMRVpower...
- Combined worm gear reducers and gearmotors

NRV-NMRVpower...



- Combined worm gear reducer

Service factor



The service factor (s.f.) depends on the operating conditions the gear reducer is subjected to. The parameters that need to be taken into consideration to select the most adequate service factor correctly comprise:
- Type of load of the operated machine : A - B - C
- Length of daily operating time: hours/day (Δ)
- Start-up frequency: starts/hour (*)

LOAD:
A - uniform fa ≤ 0.3
B - moderate shocks fa ≤ 3
C - heavy shocks fa ≤ 10

fa = Je/Jm
- Je ($in\text{-}lb^2$) moment of reduced external inertia at the drive-shaft
- Jm ($in\text{-}lb^2$) moment of inertia of motor

If fa > 10 call our Technical Service.

A - Screw feeders for light materials, fans, assembly lines, conveyor belts for light materials, small mixers, lifts, cleaning machines, fillers, control machines.
B - Winding devices, woodworking machine feeders, goods lifts, balancers, threading machines, medium mixers, conveyor belts for heavy materials, winches, sliding doors, fertilizer scrapers, packing machines, concrete mixers, crane mechanisms, milling cutters, folding machines, gear pumps.
C - Mixers for heavy materials, shears, presses, centrifuges, rotating supports, winches and lifts for heavy materials, grinding lathes, stone mills, bucket elevators, drilling machines, hammer mills, cam presses, folding machines, turntables, tumbling barrels, vibrators, shredders.

Critical applications

NMRV	025	030	040	050	063	075	090	110	130	150
V5: 1500 < n1 < 3000	-	-	-	-	B	B	B	B	B	B
n1 > 3000	B	B	B	B	B	B	A	A	A	A
V6	B	B	B	B	B	B	B	B	B	B

NMRV-P	063	075	090	110
V5: 1500 < n1 < 3000	B	B	B	B
n1 > 3000	B	B	A	A
V6	B	B	B	B

A | Application not recommended **B** | Check the application and/or call our technical service

The ratings given in the catalogue correspond to mounting position B3 or similar, ie. when the first stage is not entirely immersed in oil. For other mounting positions and/or particular input speeds, refer to the tables that highlight different critical situations for each size of gear reducer.
It is also necessary to take due consideration of and carefully assess the following applications by calling our Technical Service:

- To avoid the use as multiplier.
- Use in services that could be hazardous for people if the gear reducer fails.
- Applications with especially high inertia.
- Use as a lifting winch.
- Applications with high dynamic strain on the case of the gear reducer.
- In places with T° under 23°F or over 104°F.
- Use in chemically aggressive environments.
- Use in a salty environment.
- Mounting positions not envisaged in the catalogue.
- Use in radioactive environments.
- Use in environmental pressures other than atmospheric pressure.

Avoid applications where even partial immersion of the reducer is required.
The maximum torque (*) that the reducer can support must not exceed two times the nominal torque (s.f.=1) stated in the ratings tables.

With S3 service it is possible to increase transmitted torque according to ratio, input speed and application duration, in this case please contact our Technical service.

(*) intended for momentary overloads due to starting at full load, braking, shocks or other causes, particularly those that are dynamic.

Installation

To install the gear reducer it is necessary to note the following recommendations:

- Check the correct direction of rotation of the gear reducer output shaft before fitting the unit to the machine.
- In the case of particularly lengthy periods of storage (4/6 months), if the oil seal is not immersed in the lubricant inside the unit, it is recommended to change it since the rubber could stick to the shaft or may even have lost the elasticity it needs to function properly.
- Whenever possible, protect the gear reducer against solar radiation and bad weather.
- Ensure the motor cools correctly by ensuring good passage of air from the fan side.
- In the case of ambient temperatures < 23°F or > 104°F call the Technical Service.
- The various parts (pulleys, gear wheels, couplings, shafts, etc.) must be mounted on the solid or hollow shafts using special threaded holes or other systems that anyhow ensure correct operation without risking damage to the bearings or external parts of the units.
- Lubricate the surfaces in contact to avoid seizure or oxidation.
- Painting must definitely not go over rubber parts and the holes on the breather plugs, if any.
- For units equipped with oil plugs, replace the closed plug used for shipping with the special breather plug.
- Check the correct level of the lubricant through the indicator, if there is one.
- Starting must take place gradually, without immediately applying the maximum load.
- When there are parts, objects or materials under the motor drive that can be damaged by even limited spillage of oil, special protection should be fitted.

Overhung load

The value of the admissible Overhung load (OHL) (lb) is given in the tables relating to the ratings of the gear reducer at issue. It is related to the load applied on the centre line of the shaft and in the most unfavourable conditions of angle of application and direction of rotation.

The maximum admissible thrust loads are 1/5 of the value of the given Overhung load (OHL) when they are applied in combination with the Overhung load (OHL).
The tables relating to the output shafts give the maximum admissible value. This value must never be exceeded since it relates to the strength of the case.
Particular conditions of Overhung load (OHL) higher than the limits of the catalogue may occur. In this case, call our Technical Sevice and provide details on the application: direction of the load, direction of rotation of the shaft, type of service.
In case of double extension shafts with Overhung load (OHL) applied on both ends, the max. admissible Overhung load (OHL)s must be defined according to the specific running conditions, in this case call our Technical Service.

The Overhung load (OHL) on the shaft is calculated with the following formula:

$$Fre = \frac{2000 \cdot M \cdot fz}{D} \leq Fr_1 \text{ o } Fr_2$$

Fre (lb) Resulting Overhung load (OHL)
M (in-lb) Torque on the shaft
D (in) Diameter of the transmission member mounted on the shaft
Fr (lb) Value of the maximum admitted Overhung load (OHL)
Fr1-**Fr2** (see relative tables)
fz = 1.1 gear pinion
1.4 chain wheel
1.7 v-pulley
2.5 flat pulley

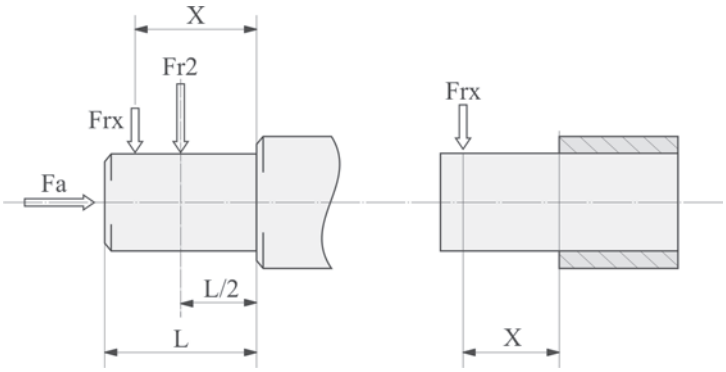
When the resulting Overhung load (OHL) is not applied on the centre line of the shaft, it is necessary to adjust the admissible Overhung load (OHL) Fr1-2 with the following formula:

$$Frx = \frac{Fr_{1-2} \cdot a}{(b + x)}$$

a , **b** = values given in the tables on page 6
x = distance from the point of application of the load to the shaft shoulder

Output Overhung load (OHL)s

When the Overhung load (OHL) is not on the centre line of the shaft, it is necessary to adjust the admissible Overhung load (OHL) Fr2 with the following formula:



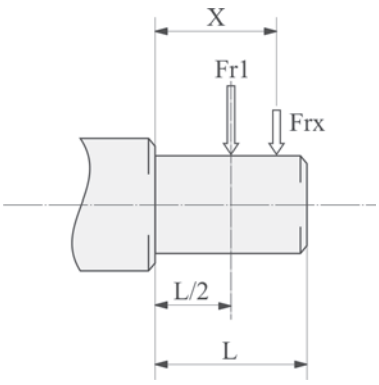
$$Frx = \frac{Fr_2 \cdot a}{(b + x)}$$

(**Fr_2) Max. admissible value of the reducer; verify max. admissible value on ratings tables.

NMRV-P/NMRV	025	030	040	050	063	075	090	110	130	150
a	1.97	2.56	3.31	3.98	4.72	5.16	6.38	6.93	7.40	8.46
b	1.50	1.97	2.52	2.99	3.74	3.98	4.80	5.35	5.83	6.85
Fr2 max(**)	303	411	785	1088	1410	1659	1839	2698	3035	4047

Input Overhung load (OHL)s

When the Overhung load (OHL) is not on the centre line of the shaft, it is necessary to adjust the admissible Overhung load (OHL) Fr1 with the following formula:



$$Frx = \frac{Fr_1 \cdot a}{(b + x)}$$

(**Fr_1) Max. admissible value of the reducer; verify max. admissible value on ratings tables.

NRV-P/NRV	030	040	050	063	075	090	110	130	150
a	3.39	4.17	5.08	6.26	7.56	8.94	10.47	12.36	13.78
b	2.99	3.72	4.49	5.47	6.57	7.95	9.29	10.79	12.20
Fr1 max(**)	47	79	110	157	220	286	382	472	629

IHW040	090	110
a	2.80	
b	2.01	
Fr1 max(**)	90	112

Moments of inertia

Following values are indicative only and refer to gear reducers fitted with input flange. These values refer to maximum moment of inertia.

NMRV	Kg*m²	lb-in²
30	0.10	347
40	0.3	1015
50	0.8	2879
63	2.2	7603
75	4.4	15086
90	8.2	27864
110	19.9	68042
130	22.5	76877
150	52.9	180689

Lubrication

In cases of ambient temperatures not envisaged in the table, call our Technical Service. In the case of temperatures under -22°F or over 140°F it is necessary to use oil seals with special properties. For operating ranges with temperatures under 32°F it is necessary to consider the following:

1 The motors need to be suitable for operation at the envisaged ambient temperature.
2 The power of the electric motor needs to be adequate for exceeding the higher starting torques required.
3 In case of cast-iron gear reducers, pay attention to impact loads since cast iron may have problems of fragility at temperatures under 5°F.
4 During the early stages of service, problems of lubrication may arise due to the high level of viscosity taken on by the oil and so it is wise to have a few minutes of rotation under no load.

The oil needs to be changed after approximately 10,000 hours. This period depends on the type of service and the environment where the gear reducer works. For units supplied without oil plugs, lubrication is permanent and so they need no servicing.

NMRV	025	030	040	050	130	150
B3	0.02	0.04	0.08	0.15	4.5	7
B8					3.3	5.1
B6-B7					3.5	5.4
V5					4.5	7
V6					3.3	5.1

PC	063	071	080	090
B3 - B8 - B6 B7 - V5 - V6	0.05	0.07	0.15	0.16

NMRV-P	063	075	090	110
B3	0.33	0.55	1	1.6
B8				
B6-B7				
V5				
V6				

NMRV-P/HW	030		040	
	063	075	090	110
B3	0.06	0.09	0.11	0.12

- Quantity of oil in litres ~

Lubricant quantities are only indicative. For correct filling always refer to the sight glass or the dipstick, when this is supplied. Any oil level differences can be caused by constructive tolerances but also on the mounting position or the assembly scheme of the customer. Therefore it is very important for the customer to check oil level and if necessary to add the necessary quantity.
The gear reducers size 025 - 030 - 040 - 050 - 063 - 075 - 090 - 110 are supplied complete with lubricant for life, synthetic oil, AGIP TELIUM VSF. They can be mounted in any position envisaged in the catalogue, except for NMRV 090 - 110 and NRV 075-090-110 for which you must to specify the mounting position.
The gear reducers size 130 and 150 are supplied complete with lubricant, mineral oil, AGIP BLASIA 460.
For sizes 130 and 150 it is necessary to specify the position, otherwise the gear reducers are supplied with the quantity of oil relating to pos. B3.
Only reduction units 130 and 150 are fitted with breather, level and oil drainage plugs. It is necessary, after installation, to replace the closed plug used for transportation with the breather plug supplied with the unit.
The pre-stage helical modules are supplied complete with life-long lubricant, synthetic oil, AGIP TELIUM VSF. Lubrication is separated from that of the worm gear reducers.

Lubrication

	ISO VG...	ENI	SHELL	ESSO	MOBIL	CASTROL	BP	
PC063 ~ 090 NMRV-P 063 ~ 110 NMRV-P/HW30-40	**ISO VG320**	TELIUM VSF320	TIVELA OIL S320	S220	GLYGOYLE 30	ALPHASYN PG320	ENERGOL SG-XP320	Synthetic oil
NMRV 030 ~ 050	**ISO VG320**	TELIUM VSF320	TIVELA OIL S320	S220	GLYGOYLE 30	ALPHASYN PG320	ENERGOL SG-XP320	
NMRV 130 ~ 150	**ISO VG460**	BLASIA 460	OMALA OIL460	SPARTAN EP460	MOBILGEAR 634	ALPHA MAX 460	ENERGOL GR-XP460	Mineral oil
	ISO VG220	BLASIA 220	OMALA OIL220	SPARTAN EP220	MOBILGEAR 630	ALPHA MAX 220	ENERGOL GR-XP220	

- standard supply - Specifications of lubricants recommended by Motovario.

Special lubricants	Brand	ISO VG...	Synthetic oil	Mineral oil
Low ambient temperature oil	**ENI**	**ISO VG46**	-	ROTRA ATF
	KLUBER	**ISO VG68**	SYNTH GH 6-80	-
	MOBIL	**ISO VG32**	SCH 624	-
Low ambient temperature oil - Food sector	**KLUBER**	**ISO VG32**	-	SUMMIT HYSYN FG32
High ambient temperature oil	**KLUBER**	**ISO VG460**	SYNTH GH 6-460	-
	KLUBER	**ISO VG680**	SYNTH GH 6-680	-
	ENI	**ISO VG150**	BLASIA 150 S	-
	ENI	**ISO VG220**	BLASIA 220 S	-
	KLUBER	**ISO VG1000**	SYNTH EG4-1000	-
	SHELL	**ISO VG680**	-	OMALA OIL 680
High ambient temperature oil - Food sector	**KLUBER**	**ISO VG1500**	4UH1-1500	-
Food sector	**KLUBER**	**ISO VG320**	4UH1-320N	-

- All units are supplied with standard ENI oil, however we can supply with other lubricants if required. If 'special' lubricant is required please contact us for technical assistance.

Design features

Motovario products are supplied with the following surface treatment features:

Die-cast aluminium alloy cases for gears
Die-cast materials undergo the following surface cleaning operations:
- De-burring by means of a mechanically operated shearing system
- Accurate shot-peening. - Painting
- Washing and passivation

Grey-coloured cast-iron cases for gears
- Die-cast materials are always painted

Painting specifications:
Orange-peel blue epoxy-polyester RAL 5010. Polyester resin based heat-hardening powders,altered with epoxy resins.

Mechanical properties
- Tests carried out onto degreased Unichim white lattens (film thickness: 60 microns) comply with the following specifications: adherence (ISO2409), Erichsen drawing (ISO152), inverted shock (DIN53158), cone-shaped mandrel (DIN53151), hardness (ASTM D3363/74).

Heat resistance
- 24 HOURS AT 302°F.

Corrosion strength
- ASTM B 117/97 salt fog from 100 to 500 hours depending on the support's preliminary treatment.

Ratings:
Loading capacity in accordance with: ISO 14521, DIN 3996, BS 721, AGMA 6034, ISO 6336, DIN 3990, DIN 743, ISO 281

Nomenclature

NMRV	050	FA	30	56C	VS	125	25	B3	...
NMRV	025	FA	5	IEC				B3	
NRV	030	FB	7.5	ECE				B8	
	040	FC	10	NEMA				B6	
	050	FD	15					B7	
	063	FE	20					V5	
	075		25					V6	
	090		30						
	105		40						
	110		50						
	130		60						
	150		80						
			100						

Gearbox type

Size

Output flange

Reduction ratio

Input dimensions

Fitted for motor coupling **IEC** (160x14)

Fitted for motor coupling **NEMA** (56C)

Input shaft diameter **E (ECE)** (0.5)

Double input shaft

Ø Output flange

Ø Output shaft

Mounting position

Accessories

Nomenclature

NMRV-P	063	HW030	FA	22.08	56C	VS	125	25	B3	...
NMRV-P	063	HW030	FA	29.00	IEC				B3	
NRV-P	075	HW040	FB	38.67	ECE				B8	
	090	IHW040	FC	44.17	NEMA				B6	
	110		FD	47.50					B7	
			FE	58.00					V5	
				71.25					V6	
				...						
				1083.33						

Gearbox type

Size

Pre-stage helical module

Output flange

Reduction ratio

Input dimensions

Fitted for motor coupling — **IEC** (160x14)

Fitted for motor coupling — **NEMA** (56C)

Input shaft diameter — **E (ECE)** (0.5)

Double input shaft

Ø Output flange

Ø Output shaft

Mounting position

Accessories

Nomenclature

PC	71	NMRV	050	120.00	120x14	25	BS	B3
	063		040	15.00			AS	
	071		050	22.50			BS	
	080		130	30.00			VS	
	090			...			PS	
				240.00				

Pre-stage helical module

Size

Gearbox type

Worm gear reducers and gearmotors

Size

Reduction ratio

NMRV input dimensions

Ø Output shaft

Double worm gearbox assembly position

Mounting position

Nomenclature

NMRV+NMRV-P	050+110	FA	900	56C	40	BS1	B3
NMRV+NMRV	025+030	FA	100	IEC		AS1	
NRV+NMRV	025+040	FB	150	ECE		AS2	
NMRV+NMRV-P	030+040	FC	200	NEMA		BS1	
NMRV-P+NMRV	030+050	FD	250			BS2	
NMRV-P+NMRV-P	030+063	FE	300			VS1	
NRV+NMRV-P	040+050		400			VS2	
NRV-P+NMRV	040+063		500			PS1	
	040+075		600			PS2	
	040+090		750				
	050+090		900				
	050+110		1200				
	063+110		1500				
	063+130		1800				
	063+150		2400				
			3000				
			4000				
			5000				

Gearbox type

Combined geared motor

Combined gear reducer

Size

Output flange

Reduction ratio

Input dimensions

IEC (160x14) — Fitted for motor coupling

NEMA (56C) — Fitted for motor coupling

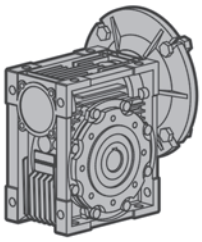
E (ECE) (0.5) — Input shaft diameter

Ø Output shaft

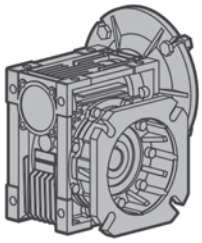
Double worm gearbox assembly position

Mounting position

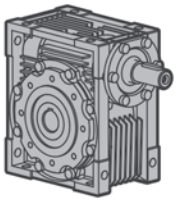
Versions



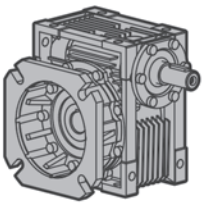
NMRV 025-050
NMRV 130-150



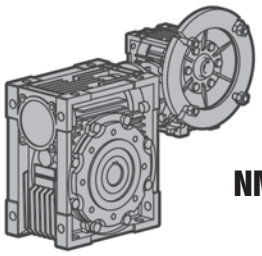
NMRV 025-050 F
NMRV 130-150 F



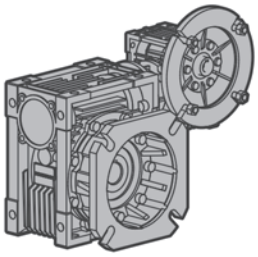
NRV 030-050
NRV 130-150



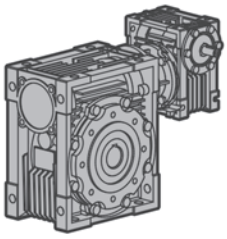
NRV 030-050 F
NRV 130-150 F



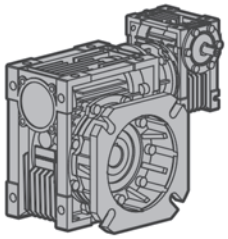
NMRV-NMRV...



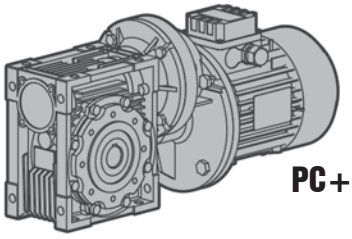
NMRV-NMRV... F



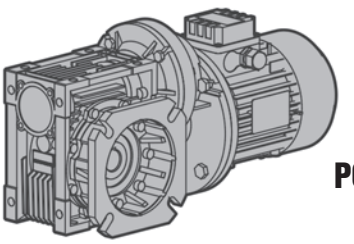
NRV-NMRV...



NRV-NMRV... F

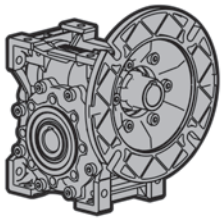


PC+NMRV...

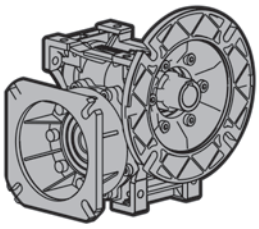


PC+NMRV... F

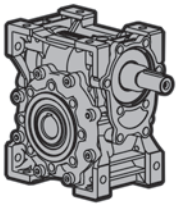
Versions



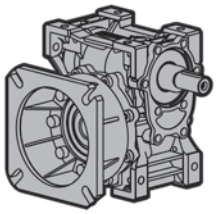
NMRVpower 063-110



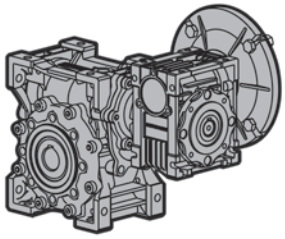
NMRVpower 063-110 F



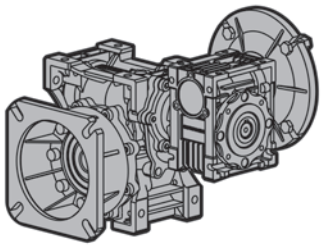
NRVpower 063-110



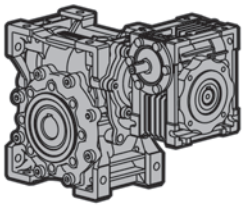
NRVpower 063-110 F



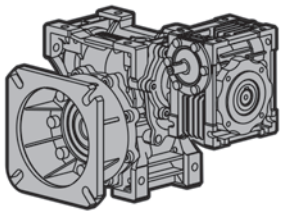
NMRV-NMRVpower...



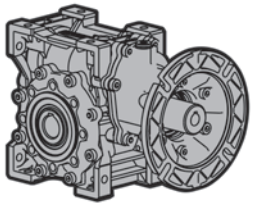
NMRV-NMRVpower... F



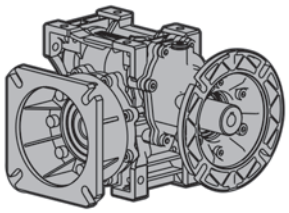
NRV-NMRVpower...



NRV-NMRVpower... F

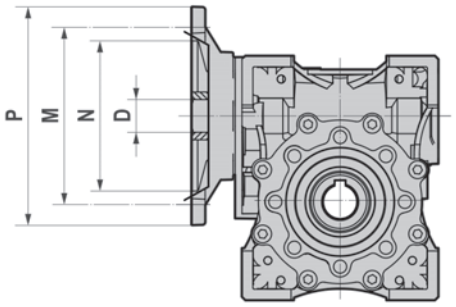


NMRVpower/HW...



NMRVpower/HW... F

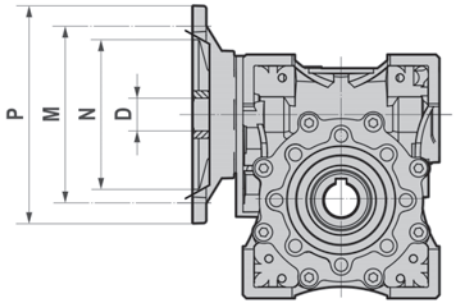
Standard input flange - IEC



(*) Low profile key supplied by Motovario.
(**) Motor-ratio combination not feasible.
(+) Motor-ratio combination not to be used, out of warranty terms.

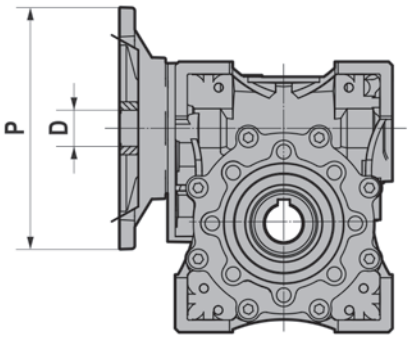
NMRV	IEC	N	M	P	D	Available Ratios											
						5	7.5	10	15	20	25	30	40	50	60	80	100
030	63B5	95	115	140	11	•	•	•	•	•	•	•	•	•	-	-	-
	63B14	60	75	90	11												
	56B5	80	100	120	9	•	•	•	•	•	•	•	•	•	•	•	-
	56B14	50	65	80	9												
040	71B5	110	130	160	14	•	•	•	•	•	•	•	•	-	-	-	-
	71B14	70	85	105	14												
	63B5	95	115	140	11	•	•	•	•	•	•	•	•	•	•	•	•
	63B14	60	75	90	11												
	56B5	80	100	120	9	-	-	-	-	-	-	-	-	•	•	•	•
050	80B5	130	165	200	19	•	•	•	•	•	•	•	-	-	-	-	-
	80B14	80	100	120	19												
	71B5	110	130	160	14	•	•	•	•	•	•	•	•	•	•	•	-
	71B14	70	85	105	14												
	63B5	95	115	140	11	-	-	-	-	-	-	-	•	•	•	•	•
063	90B5	130	165	200	24	-	•	•	•	•	•	•	•	-	-	-	-
	90B14	95	115	140	24												
	80B5	130	165	200	19	-	•	•	•	•	•	•	•	•	•	•	-
	80B14	80	100	120	19												
	71B5	110	130	160	14	-	•	•	•	•	•	•	•	•	•	•	•
	71B14	70	85	105	14												
075	100/112B5	180	215	250	28	-	•	•	•	•	•	•	-	-	-	-	-
	100/112B14	110	130	160	28												
	90B5	130	165	200	24	-	•	•	•	•	•	•	•	•	•	-	-
	90B14	95	115	140	24												
	80B5	130	165	200	19	-	•	•	•	•	•	•	•	•	•	•	•
	80B14	80	100	120	19												
	71B5	110	130	160	14	-	-	-	-	-	-	-	-	•	•	•	•
090	100/112B5	180	215	250	28	-	•	•	•	•	•	•	-	-	-	-	-
	100/112B14	110	130	160	28												
	90B5	130	165	200	24	-	•	•	•	•	•	•	•	•	•	-	-
	90B14	95	115	140	24												
	80B5	130	165	200	19	-	•	•	•	•	•	•	•	•	•	•	•
	80B14	80	100	120	19												
110	132B5	230	265	300	38	-	•	•	•	•	•	•	•	-	-	-	-
	100/112B5	180	215	250	28	-	•	•	•	•	•	•	•	•	•	-	-
	90B5	130	165	200	24	-	•	•	•	•	•	•	•	•	•	•	•
	90B14	95	115	140	24												
	80B5	130	165	200	19	-	•	•	•	•	•	•	•	•	•	•	•
	80B14	80	100	120	19												
130	132B5	230	265	300	38*	-	•	•	•	•	•	•	•	-	-	-	-
	100/112B5	180	215	250	28	-	-	-	-	-	•	•	•	•	•	•	•
	90B5	130	165	200	24	-	-	-	-	-	-	-	-	-	-	•	•
150	160B5	250	300	350	42	-	•	•	•	•	•	-	-	-	-	-	-
	132B5	230	265	300	38	-	-	-	-	•	•	•	•	•	•	-	-
	100/112B5	180	215	250	28	-	-	-	-	-	-	-	-	•	•	•	•

Standard input flange - NEMA



NMRV	NEMA	N	M	P	D	Available Ratios											
						5	7.5	10	15	20	25	30	40	50	60	80	100
030	48C	3.00	3.75	5.625	0.500	●	●	●	●	●	●	●	●	●	●	●	-
040	56C	4.50	5.88	6.500	0.625	●	●	●	●	●	●	●	●	●	●	●	●
050	56C	4.50	5.88	6.500	0.875	●	●	●	●	●	●	●	●	●	●	●	●
063	56C	4.50	5.88	6.500	0.625	-	●	●	●	●	●	●	●	●	●	●	●
	140TC	4.50	5.88	6.500	0.875	-	●	●	●	●	●	●	●	●	-	-	-
075	56C	4.50	5.88	6.500	0.625	-	●	●	●	●	●	●	●	●	●	●	●
	140TC	4.50	5.88	6.500	0.875	-	●	●	●	●	●	●	●	●	●	-	-
	180TC	8.50	7.25	9.000	1.125	-	●	●	●	●	-	-	-	-	-	-	-
090	56C	4.50	5.88	6.500	0.625	-	●	●	●	●	●	●	●	●	●	●	●
	140TC	4.50	5.88	6.500	0.875	-	●	●	●	●	●	●	●	●	●	●	●
	180TC	8.50	7.25	9.000	1.125	-	●	●	●	●	●	●	●	-	-	-	-
110	140TC	4.50	5.88	6.500	0.875	-	●	●	●	●	●	●	●	●	●	●	●
	180TC	8.50	7.25	9.000	1.125	-	●	●	●	●	●	●	●	●	●	-	-
130	140TC	4.50	5.88	6.500	0.875	-	-	-	-	-	-	-	-	-	-	●	●
	180TC	8.50	7.25	9.000	1.125	-	-	-	-	-	-	●	●	●	●	●	-
	210TC	8.50	7.25	9.000	1.375	-	●	●	●	●	●	●	●	-	-	-	-
150	180TC	8.50	7.25	9.000	1.125	-	-	-	-	-	-	●	●	●	●	●	●
	210TC	8.50	7.25	9.000	1.375	-	-	-	●	●	●	●	●	-	-	-	-
	250TC	8.50	7.25	9.000	1.625	-	●	●	●	●	-	-	-	-	-	●	-

Non-standard input flange - IEC



The table below report possible configurations strictly based on geometric criteria. To determine the compatibility of a motor-gear unit assembly in terms of mechanical factors, double check the selected configuration against the rating charts for NRV/NRV-P ratings.

(*) Low profile key supplied by Motovario.

(**) For NMRV-P 110 flange Ø300 only possible solution bush Ø38.

(+) Motor-ratio combination not to be used, out of warranty terms.

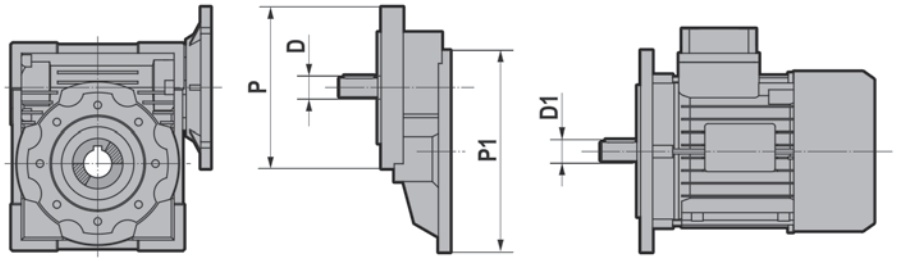
NMRV NMRV-P	P	D											
		5	7.5	10	15	20	25	30	40	50	60	80	100
025	80	9	9	9	9	9		9	9	9	9		
030	140	11 9	11 9	11 9	11 9	11 9	11 9	11 9	11 9	11 9	9	9	
	120												
	90												
	80												
040	160	14 11	14 11	14 11	14 11	14 11	14 11	14 11	14 11	11 9	11 9	11 9	11 9
	140												
	120												
	105												
	90												
050	200	19 14	19 14	19 14	19 14	19 14	19 14	19 14	14 11	14 11	14 11	14 11	11
	160												
	140												
	120												
	105												
063	200		24 19 14	24 19 14	24 19 14	24 19 14	24 19 14	24 19 14	24 19 14	19 14	19 14	19 14	14
	160												
	140												
	120												
	105												
075	250		28 24 19 14	28 24 19 14	28 24 19 14	28 24 19 14	28 24 19 14	28 24 19 14	24 19 14	24 19 14	24 19 14	19 14	19 14
	200												
	160												
	140												
	120												
	105												
090	250		28 24 19	28 24 19	28 24 19	28 24 19	28 24 19	28 24 19	28 24 19	28 24 19	24 19	24 19	19
	200												
	160												
	140												
	120												
110	300		38**	38**	38**	38**	38**	38**	38**	+	+	+	+
	250		28 14 19	28 14 19	28 14 19	28 14 19	28 14 19	28 14 19	28 14 19	28 14 19	28 14 19	24 19	24 19
	200												
	160												
	140												
	120												
130	300		38*	38*	38*	38*	38* 28	38* 28	38* 28	28	28	28 24	28 24
	250												
	200												
150	350		42	42	42	42 38	42 38	38	38	38 28	38 28	28	28
	300												
	250												

- the above values are expressed in millimeters

PC+NMRV - Standard input flange - IEC

NMRV	i	PC 063		PC 071		PC 080		PC 090	
		105 / 11 i = 3	105 / 14 i = 3	120 / 14 i = 3	120 / 19 i = 3	160 / 24 i = 3	160 / 28 i = 3	160 / 24 i = 2.42	160 / 28 i = 2.42
040	25								
	30								
	40								
	50								
	60								
	80								
	100								
050	25								
	30								
	40								
	50								
	60								
	80								
	100								
130	25								
	30								
	40								
	50								
	60								
	80								
	100								

- the above values are expressed in millimeters



	P1/D1	P/D	(P/D)	~Lb
PC 063	63B5 - 140/11	105/11	(105/14)	4
PC 071	71B5 - 160/14	120/14	(120/19)	5
PC 080	80B5 - 200/19	160/19	(160/24) (160/28)	9
PC 090	90B5 - 200/24	160/24	(160/19) (160/28)	9

- (P/D) Only on request
- the above values are expressed in millimeters

NMRVpower/HW - Standard input flange

NMRVpower 063 / HW030				
i	56	63	71	80
22.08			B5-B14	B5-B14
29.00			B5-B14	B5-B14
38.67			B5-B14	B5-B14
44.17			B5-B14	B5-B14
47.50		B5	B5-B14	B5-B14
58.00		B5	B5-B14	B5-B14
71.25		B5	B5-B14	B5-B14
77.33		B5	B5-B14	B5-B14
81.82		B5	B5-B14	B5-B14
88.33		B5	B5-B14	B5-B14
95.00		B5	B5-B14	B5-B14
109.09		B5	B5-B14	B5-B14
118.13		B5	B5-B14	B5-B14
136.36		B5	B5-B14	B5-B14
142.50		B5	B5-B14	B5-B14
157.50		B5	B5-B14	B5-B14
163.64		B5	B5-B14	B5-B14
176.67	B5	B5	B5-B14	
196.88	B5	B5	B5-B14	
218.18	B5	B5	B5-B14	
236.25	B5	B5	B5-B14	
272.73	B5	B5	B5-B14	
315.00	B5	B5	B5-B14	
393.75	B5	B5	B5-B14	
433.33	B5	B5		
472.50	B5	B5		
541.67	B5	B5		
650.00	B5	B5		
787.50	B5			
866.67	B5			
1083.33	B5			

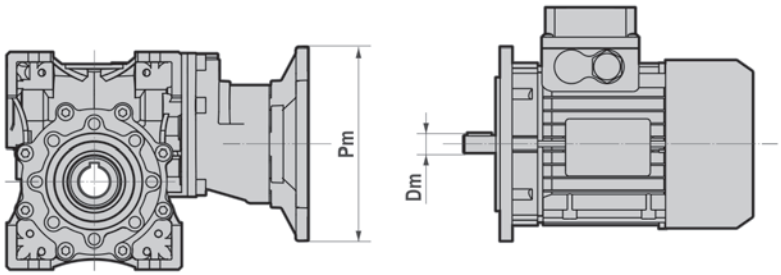
NMRVpower 075 / HW030				
i	56	63	71	80
22.08				B5-B14
29.00			B5-B14	B5-B14
38.67			B5-B14	B5-B14
44.17			B5-B14	B5-B14
47.50			B5-B14	B5-B14
58.00			B5-B14	B5-B14
71.25			B5-B14	B5-B14
77.33			B5-B14	B5-B14
81.82		B5	B5-B14	B5-B14
88.33		B5	B5-B14	B5-B14
95.00		B5	B5-B14	B5-B14
109.09		B5	B5-B14	B5-B14
116.00		B5	B5-B14	B5-B14
136.36		B5	B5-B14	B5-B14
142.50		B5	B5-B14	B5-B14
154.67		B5	B5-B14	B5-B14
163.64		B5	B5-B14	B5-B14
176.67		B5	B5-B14	B5-B14
196.88		B5	B5-B14	B5-B14
218.18		B5	B5-B14	B5-B14
236.25		B5	B5-B14	B5-B14
272.73		B5	B5-B14	B5-B14
315.00		B5	B5-B14	
393.75	B5	B5	B5-B14	
472.50	B5	B5	B5-B14	
541.67	B5	B5		
650.00	B5	B5		
787.50	B5	B5		
866.67	B5	B5		
1083.33	B5			

NMRVpower/HW - Standard input flange

NMRVpower090 / HW040				
i	63	71	80	90
23.29			B5-B14	B5-B14
31.05			B5-B14	B5-B14
42.00			B5-B14	B5-B14
46.58			B5-B14	B5-B14
63.00		B5-B14	B5-B14	B5-B14
77.63		B5-B14	B5-B14	B5-B14
84.00		B5-B14	B5-B14	B5-B14
93.16		B5-B14	B5-B14	B5-B14
110.00		B5-B14	B5-B14	B5-B14
126.00		B5-B14	B5-B14	B5-B14
137.50		B5-B14	B5-B14	B5-B14
155.26	B5	B5-B14	B5-B14	B5-B14
165.00		B5-B14	B5-B14	B5-B14
186.32	B5	B5-B14	B5-B14	
220.00	B5	B5-B14	B5-B14	B5-B14
252.00	B5	B5-B14	B5-B14	
275.00	B5	B5-B14	B5-B14	
304.55	B5	B5-B14	B5-B14	
330.00	B5	B5-B14	B5-B14	
383.33	B5	B5-B14	B5-B14	
437.50	B5	B5-B14		
460.00	B5	B5-B14		
525.00	B5	B5-B14		
613.33	B5	B5-B14		
700.00	B5	B5-B14		
766.67	B5			
875.00	B5			

NMRVpower110 / HW040				
i	63	71	80	90
23.29			B5-B14	B5-B14
31.05			B5-B14	B5-B14
42.00			B5-B14	B5-B14
46.58			B5-B14	B5-B14
62.11			B5-B14	B5-B14
77.63			B5-B14	B5-B14
84.00			B5-B14	B5-B14
93.16			B5-B14	B5-B14
105.00			B5-B14	B5-B14
126.00			B5-B14	B5-B14
137.50		B5-B14	B5-B14	B5-B14
155.26		B5-B14	B5-B14	B5-B14
168.00		B5-B14	B5-B14	B5-B14
186.32		B5-B14	B5-B14	B5-B14
220.00		B5-B14	B5-B14	B5-B14
252.00		B5-B14	B5-B14	B5-B14
275.00		B5-B14	B5-B14	B5-B14
304.55	B5	B5-B14	B5-B14	B5-B14
330.00	B5	B5-B14	B5-B14	
383.33	B5	B5-B14	B5-B14	
440.00	B5	B5-B14	B5-B14	
460.00	B5	B5-B14	B5-B14	
525.00	B5	B5-B14		
613.33	B5	B5-B14	B5-B14	
700.00	B5	B5-B14		
766.67	B5	B5-B14		
875.00	B5	B5-B14		

NMRVpower/HW - Standard input flange



B5		
	Pm	Dm
056	120	9
063	140	11
071	160	14
080	200	19
090	200	24

B14		
	Pm	Dm
071	105	14
080	120	19
090	140	24

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NMRVpower/HW - Standard input flange - NEMA

HW030+NMRV-P063			
Ratio	56C	140TC	180TC
22.08	•	•	
29.00	•	•	
38.67	•	•	
44.17	•	•	
47.50	•	•	
58.00	•	•	
71.25	•	•	
77.33	•		
81.82	•		
88.33	•		
95.00	•		
109.09	•		
118.13	•		
136.36	•		
142.50	•		
157.50	•		
163.64	•		
176.67	•		
196.88	•		
218.18	•		
236.25	•		
272.73	•		
315.00	•		
393.75	•		
433.33	•		
472.50	•		
541.67	•		
650.00	•		
787.50	•		
866.67	•		
1083.33	•		

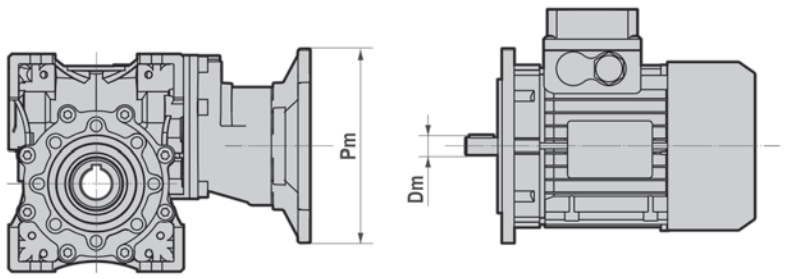
HW030+NMRV-P075			
Ratio	56C	140TC	180TC
22.08	•	•	
29.00	•	•	
38.67	•	•	
44.17	•	•	
47.50	•	•	
58.00	•	•	
71.25	•	•	
77.33	•	•	
81.82	•	•	
88.33	•	•	
95.00	•	•	
109.09	•	•	
116.00	•	•	
136.36	•	•	
142.50	•	•	
154.67	•		
163.64	•		
176.67	•		
196.88	•		
218.18	•		
236.25	•		
272.73	•		
315.00	•		
393.75	•		
472.50	•		
541.67	•		
650.00	•		
787.50	•		
866.67	•		
1083.33	•		

NMRVpower/HW - Standard input flange - NEMA

HW040+NMRV-P090			
Ratio	56C	140TC	180TC
23.29	•	•	•
31.05	•	•	•
42.00	•	•	•
46.58	•	•	•
63.00	•	•	
77.63	•	•	
84.00	•	•	
93.16	•	•	
110.00	•	•	
126.00	•	•	
137.50	•	•	
155.26	•	•	
165.00	•	•	
186.32	•	•	
220.00	•	•	
252.00	•		
275.00	•		
304.55	•		
330.00	•		
383.33	•		
437.50	•		
460.00	•		
525.00	•		
613.33	•		
700.00	•		
766.67	•		
875.00	•		

HW040+NMRV-P110			
Ratio	56C	140TC	180TC
23.29	•	•	•
31.05	•	•	•
42.00	•	•	•
46.58	•	•	•
62.11	•	•	•
77.63	•	•	•
84.00	•	•	•
93.16	•	•	•
105.00	•	•	•
126.00	•	•	•
137.50	•	•	
155.26	•	•	
168.00	•	•	
186.32	•	•	
220.00	•	•	
252.00	•	•	
275.00	•	•	
304.55	•	•	
330.00	•	•	
383.33	•	•	
440.00	•		
460.00	•		
525.00	•		
613.33	•		
700.00	•		
766.67	•		
875.00	•		

NMRVpower/HW - Standard input flange



IEC B5		
	Pm	Dm
063	140mm	11mm
071	160mm	14mm
080	200mm	19mm
090	200mm	24mm

IEC B14		
	Pm	Dm
071	105mm	14mm
080	120mm	19mm
090	140mm	24mm

NEMA		
	Pm	Dm
56C	6.500	0.625
140TC	6.500	0.875
180TC	9.000	1.125

Efficiency

Efficiency is a parameter which has a major influence on the sizing of certain applications, and basically depends on gear pair design elements. The gear mesh data table on page 25 shows dynamic efficiency (n1=1750) and static efficiency values. Remember that these values are only achieved after the unit has been run in.

Dynamic irreversibility
Dynamic irreversibility is achieved when the output shaft stops instantly when drive is no longer transmitted through the worm shaft. This condition requires a dynamic efficiency of $\eta d < 0.5$ (see table on page 25).

Static irreversibility
Static irreversibility is achieved when, with the gear reducer at a standstill, the application of a load to the output shaft does not set in motion the worm shaft. This condition requires a static efficiency of $\eta s < 0.5$ (see table on page 25).
Note: Vibrations and shocks can affect a gear reducer's irreversibility.

Irreversibility

ηd	DYNAMIC IRREVERSIBILITY
>0.6	dynamic reversibility
0.5 ~ 0.6	low dynamic reversibility
0.4 ~ 0.5	good dynamic irreversibility
<0.4	dynamic irreversibility

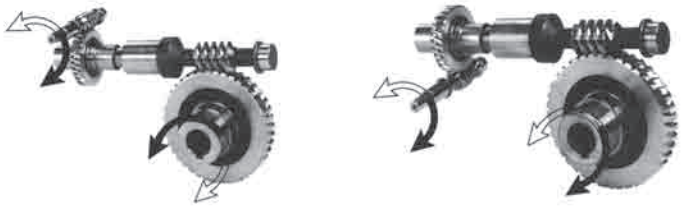
ηs	STATIC IRREVERSIBILITY
>0.55	static reversibility
0.5 ~ 0.55	low static reversibility
<0.5	static irreversibility

- The table shows approximate irreversibility classes.
- The irreversibility condition of combined gear reducers is given by the units with the lowest efficiency.

Direction of rotation



NMRV-NRV



NMRV+NMRV - NRV+NMRV

- The helix is right-handed.

Gear mesh data

NMRV / NRV	i	5	7.5	10	15	20	25	30	40	50	60	80	100
030	Z1	6	4	3	2	2	1	1	1	1	1	1	
	γ	27°04'	18°49'	14°20'	9°40'	7°42'	5°35'	4°52'	3°52'	3°12'	2°45'	2°07'	
	Mx	1.44	1.44	1.44	1.44	1.09	1.7	1.44	1.09	0.89	0.74	0.56	
	ηδ(1750)	0.87	0.85	0.83	0.78	0.74	0.69	0.66	0.60	0.56	0.52	0.45	
	ηs	0.72	0.67	0.63	0.55	0.5	0.43	0.39	0.35	0.31	0.27	0.23	
040	Z1	6	4	3	2	2	2	1	1	1	1	1	1
	γ	34°19'	24°28'	18°51'	12°49'	10°23'	8°43'	6°29'	5°14'	4°23'	3°47'	2°57'	2°25'
	Mx	2.06	2.06	2.06	2.06	1.57	1.27	2.06	1.57	1.27	1.06	0.81	0.65
	ηδ(1750)	0.89	0.87	0.85	0.83	0.79	0.76	0.71	0.66	0.63	0.59	0.53	0.48
	ηs	0.74	0.71	0.67	0.6	0.55	0.51	0.45	0.4	0.36	0.32	0.28	0.24
050	Z1	6	4	3	2	2	2	1	1	1	1	1	1
	γ	33°37'	23°54'	18°23'	12°30'	10°06'	8°29'	6°19'	5°06'	4°16'	3°40'	2°52'	2°21'
	Mx	2.56	2.56	2.56	2.56	1.95	1.58	2.56	1.95	1.58	1.32	1	0.8
	ηδ(1750)	0.89	0.88	0.87	0.83	0.8	0.77	0.73	0.68	0.64	0.6	0.54	0.5
	ηs	0.74	0.7	0.66	0.59	0.55	0.51	0.44	0.39	0.35	0.32	0.27	0.23
063	Z1		4	3	2	2	2	1	1	1	1	1	1
	g		24°31'	18°53'	12°51'	10°25'	8°45'	6°30'	5°15'	4°24'	3°47'	2°58'	2°26'
	Mx		3.25	3.25	3.25	2.48	2	3.25	2.48	2	1.68	1.27	1.02
	ηδ(1750)		0.89	0.87	0.85	0.83	0.80	0.76	0.72	0.68	0.64	0.59	0.54
	ηs		0.71	0.67	0.6	0.55	0.51	0.45	0.4	0.36	0.33	0.28	0.24
075	Z1		4	3	2	2	2	1	1	1	1	1	1
	γ		26°17'	20°20'	13°52'	11°18'	9°32'	7°02'	5°42'	4°48'	4°08'	3°14'	2°40'
	Mx		3.94	3.94	3.94	3	2.42	3.94	3	2.42	2.03	1.54	1.24
	ηδ(1750)		0.89	0.88	0.86	0.84	0.82	0.78	0.74	0.71	0.67	0.62	0.57
	ηs		0.71	0.68	0.61	0.57	0.53	0.46	0.42	0.38	0.35	0.29	0.26
090	Z1		4	3	2	2	2	1	1	1	1	1	1
	γ		29°11'	22°44'	15°36'	12°50'	10°54'	7°57'	6°30'	5°30'	4°46'	3°45'	3°06'
	Mx		4.84	4.84	4.84	3.69	2.98	4.84	3.69	2.98	2.5	1.89	1.52
	ηδ(1750)		0.90	0.89	0.87	0.86	0.84	0.80	0.77	0.74	0.71	0.65	0.61
	ηs		0.73	0.7	0.64	0.6	0.56	0.49	0.45	0.41	0.38	0.32	0.28
110	Z1		4	3	2	2	2	1	1	1	1	1	1
	γ		28°15'	21°57'	15°02'	14°41'	12°34'	7°39'	7°28'	6°22'	5°32'	4°24'	3°39'
	Mx		5.875	5.875	5.875	4.62	3.73	5.875	4.62	3.73	3.13	2.37	1.91
	ηδ(1750)		0.90	0.89	0.88	0.87	0.86	0.81	0.80	0.77	0.75	0.69	0.65
	ηs		0.72	0.69	0.63	0.62	0.59	0.48	0.48	0.44	0.41	0.36	0.32
130	Z1		4	3	2	2	2	1	1	1	1	1	1
	γ		28°41'	22°19'	15°18'	13°52'	11°49'	7°47'	7°02'	5°58'	5°11'	4°07'	3°24'
	Mx		6.97	6.97	6.97	5.4	4.37	6.97	5.4	4.37	3.67	2.77	2.23
	ηδ(1750)		0.91	0.89	0.87	0.87	0.85	0.81	0.79	0.76	0.73	0.69	0.65
	ηs		0.72	0.69	0.63	0.61	0.58	0.49	0.46	0.43	0.39	0.34	0.3
150	Z1		6	4	3	2	2	2	1	1	1	1	1
	γ		32°09'	24°35'	17°27'	12°53'	11°19'	9°50'	6°32'	5°43'	4°57'	3°55'	3°14'
	Mx		5.5	6.155	5.5	6.155	5	4.193	6.155	5	4.193	3.17	2.55
	ηδ(1750)		0.91	0.9	0.88	0.87	0.85	0.84	0.79	0.77	0.74	0.69	0.65
	ηs		0.73	0.71	0.66	0.6	0.57	0.54	0.45	0.42	0.39	0.33	0.29

NMRV - NMRVpower - Angular backlash

NMRV 030	NMRV 040	NMRV 050	NMRV-P 063	NMRV-P 075	NMRV-P 090	NMRV-P 110	NMRV 130	NMRV 150
20' - 44'	18' - 34'	18' - 32'	18' - 28'	18' - 24'	6' - 18'	6' - 14'	6' - 12'	6' - 12'

- Such values in ARC-minute can be detected on the output shaft, with locked input shaft. For applications requiring controlled or reduced backlash, please contact our technical service.

Design features PC

The PC construction is modular and therefore it can be supplied as a separate unit to be mounted on any type of fitted geared motor (input flange). In this connection, the various possibilities of flange/output shafts can be found on page 16.
Fitting the pre-stage helical module on the main gear reducer is easily done as for any motor of type B14.

The pre-stage unit cannot be used by itself, but only coupled with another gear reducer.

Materials
Case in aluminium alloy. Gears in case hardened, hardened, tempered steel 20MnCr5 (UNI7846).

Design features HW

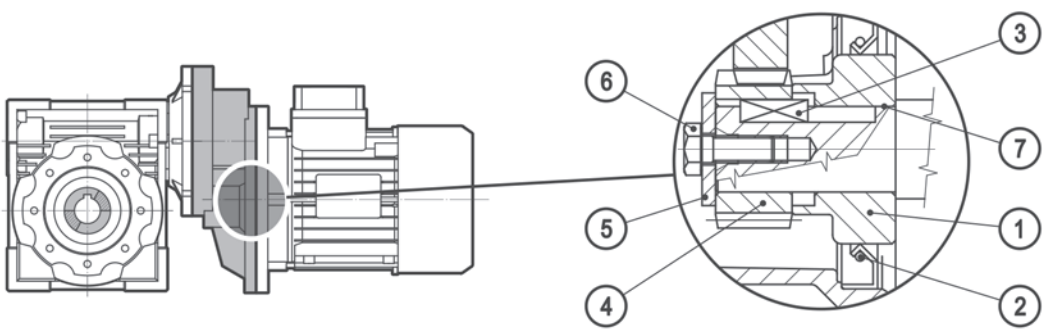
There are two pre-stage units called HW. HW030 which can be mounted on gearboxes NMRVpower063-075 and HW040 which can be fitted with gearboxes NMRVpower090-110
The pre-stage construction is modular and therefore it can be supplied for various motor (input flange) with B5 and B14 flange.
The pre-stage is always coupled to the reducer NMRVpower.

Materials
Casing in aluminium alloy. Steel gears 20MnCr5 (UNI7846), hardened, tempered and carefully scraped.

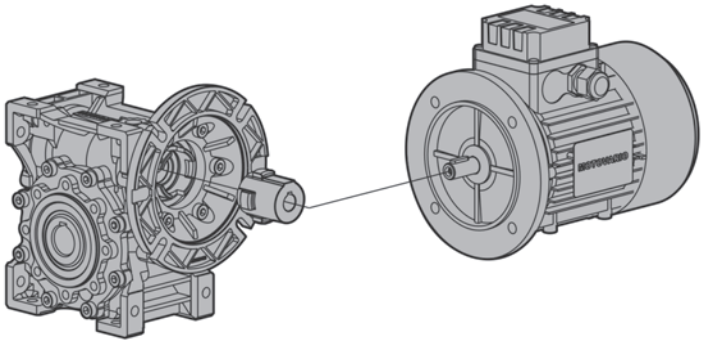
Coupling to electric motor PC

Correctly fitting the pinion on the electric motor shaft requires you keep to the following instructions:
a) Thoroughly clean the electric motor shaft.
b) Remove the motor key from its seat.
c) Fit the bush (1) to the drive shaft as shown in the diagram, using liquid gasket (7). To make this easier, you can heat the bush to approximately 158°F/176°F.
d) Fit the new key (3) provided in place of the one removed beforehand.
e) Fit the pinion (4) taking the same precautions as described in point (c).
f) Fit the washer (5) and tighten with the screw (6).
g) Remove the rubber cap mounted on the seat of the oil seal, taking care since the pre-stage unit is already complete with lubricant.
h) Fit the oil seal (2) and then the motor assembly, taking care not to damage the lip of the oil seal.

Note: For correct operation, with no vibration or noise, it is recommended to use MOTOVARIO motors.



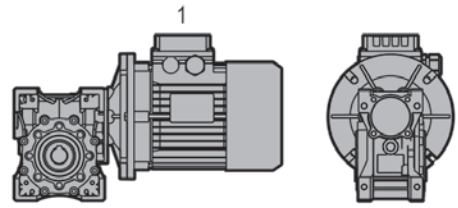
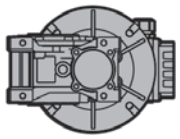
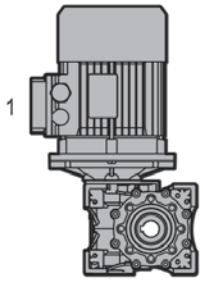
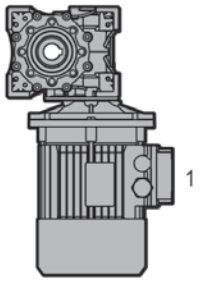
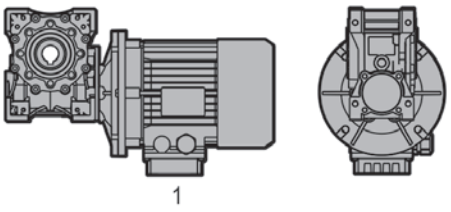
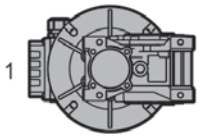
Motor mounting with input flange



- When the unit is supplied without motor, to ensure the correct assembly of the electric motor, it is necessary to follow reccomendations below.
- Check that the tolerances for the motor shaft and flange correspond to the latest IEC standard.
- Carefully clean the motor shaft, spigot and surfaces of the flange removing any traces of paint and dirt.
- Verify the correct key fitment and tolerances and then proceed fitting the bushing to the motor shaft (see picture) taking care to ensure the motor shaft and bearings are not damaged by avoiding excessive force and where necessary using assembly equipment.
- Finally assemble the motor to the unit ensuring its bushin teeth are in perfect alignment with the teeth of the unit bushing. Always use good procedures and practices that ensure correct operation without risking damage to the motor or unit bearings. Motor key adjustment is not provided.

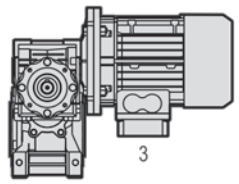
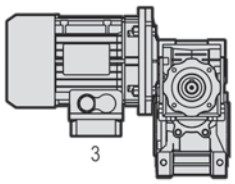
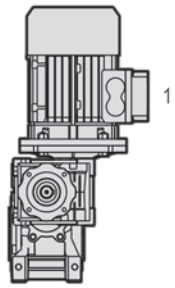
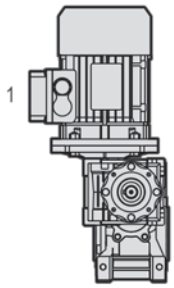
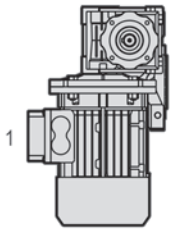
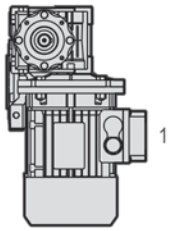
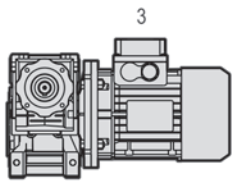
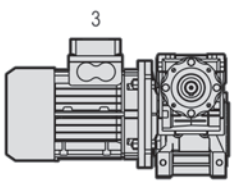
NMRV - NMRVpower - Mounting positions

NMRV-NMRVpower - NRV- NRVpower

NMRVpower...U - B3	B6	V5	V6
			
B8	**B7**		
			

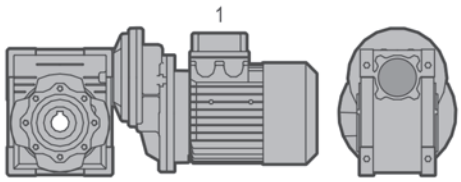
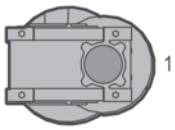
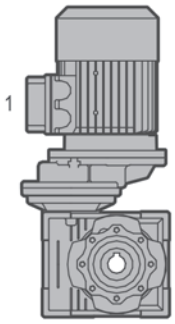
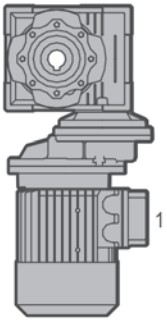
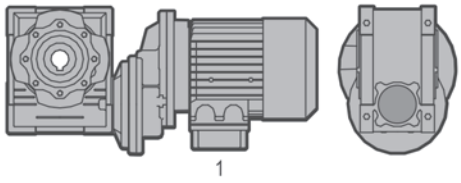
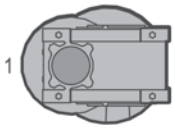
- "U" version is related to sizes from NMRV/NMRV-P 025-075 and NRV/NRV-P 030-063. For these sizes it is not necessary to specify mounting position.
- For vertical positions, check with page 4.
- For positions not shown above, it is necessary to contact our Technical Service.
- Unless specified otherwise, the standard positions are B3.
- Mount the unit in the expected mounting position. Otherwise contact our Technical Service.

NMRV+NMRV - NMRV+NMRVpower - Double worm gearbox assembly positions

NMRV-NMRVpower / NRV-NMRVpower			
AS1	AS2	VS1	VS2
			
PS1	PS2	BS1	BS2
			

- The position of the 1st reducer with respect to the 2nd gear reducer depend on the version.
- The specified mounting position refers to the 2nd gear reducer. See page 27 for the possible mounting positions.
- Unless otherwise specified at the time of order, combination groups are supplied in version BS2.
- Mount the unit in the expected mounting position. Otherwise contact our Technical Service.

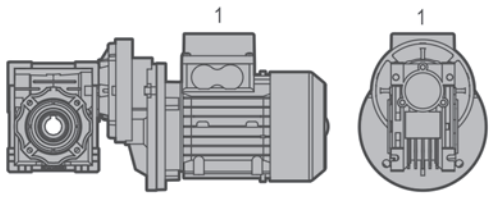
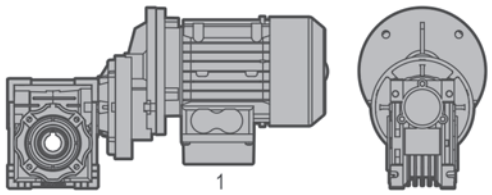
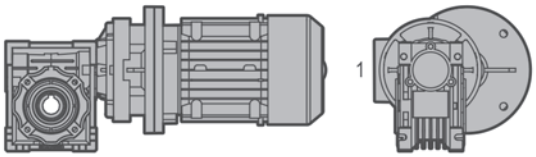
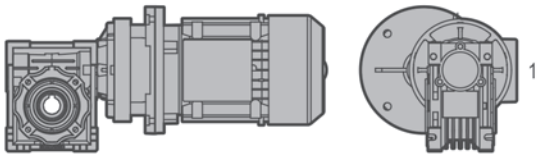
PC+NMRV - Mounting positions

PC - NMRV			
B3	B6	V5	V6
			
B8	B7		
			

- For NMRV 030-075 mounting position is U and it is valid for positions B3-B6-B7-B8-V5-V6.
- For NMRV 090-105 mounting position B3 is valid also for B6-B7-B8. Mounting positions V5 and V6 must be specified.
- For NMRV 110-150 mounting positions B3-B6-B7-B8-V5-V6 must be specified.
- Mount the unit in the expected mounting position. Otherwise contact our Technical Service.

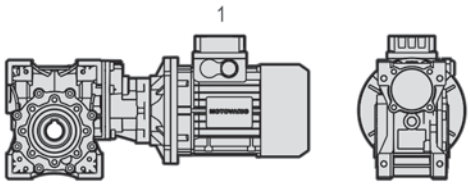
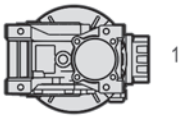
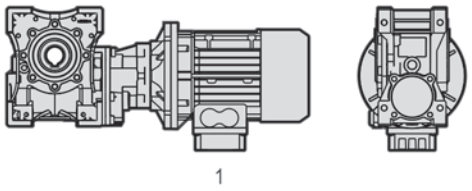
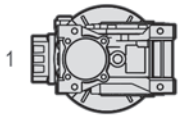
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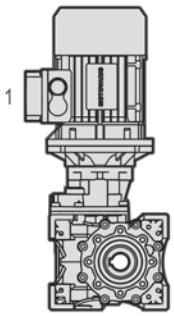
PC+NMRV - Helical worm gearbox assembly positions

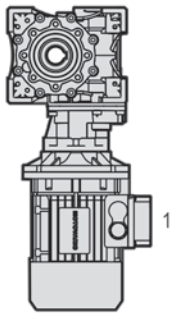
PC - NMRV	
BS	**AS**
	
VS	**PS**
	

- Unless specified otherwise, the standard positions are BS/B3.
- Note: When ordering, please always specify helical worm gearbox assembly positions and mounting position.

NMRVpower/HW - Mounting positions

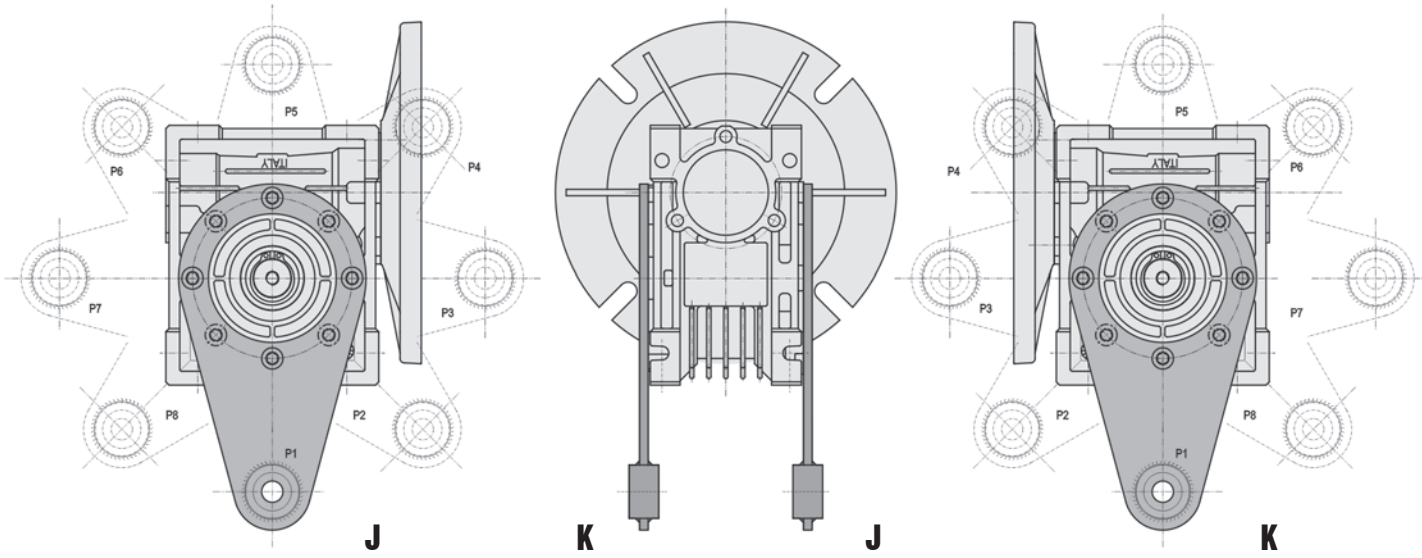
<table>
<tr><th colspan="4">NMRVpower/HW</th></tr>
<tr><th>BS/B3</th><th>B6</th><th rowspan="3">V5</th><th rowspan="3">V6</th></tr>
<tr><td>
</td><td>
</td></tr>
<tr><th>B8</th><th>B7</th></tr>
<tr><td>
</td><td>
</td></tr>
</table>





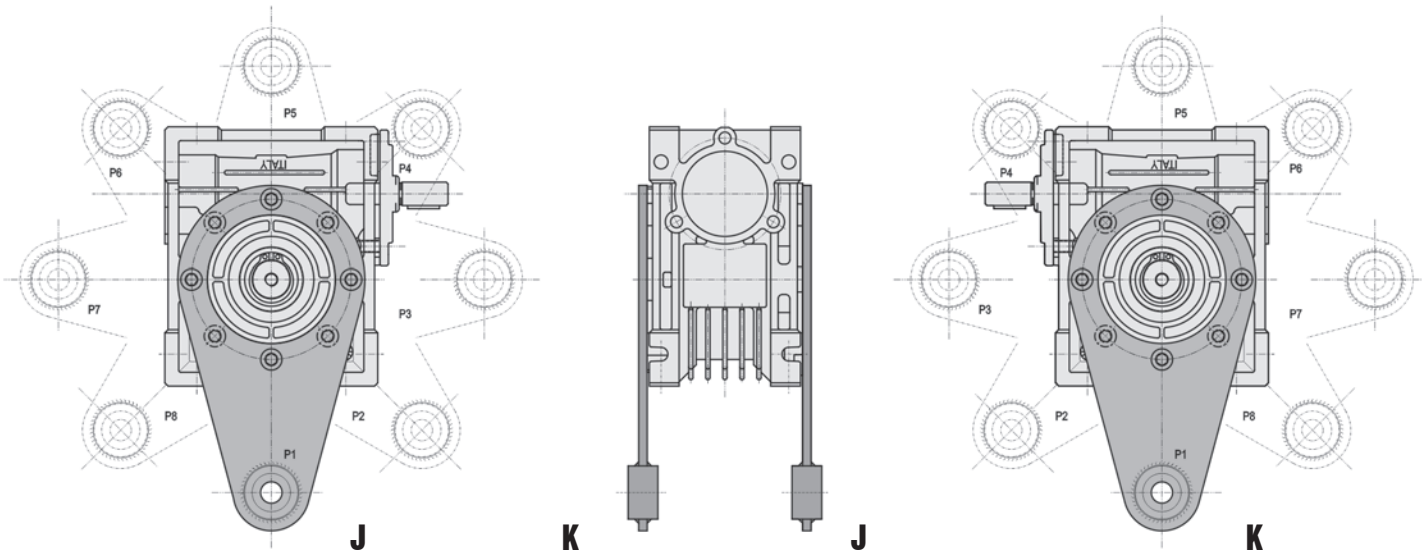
- For NMRVpower/HW 063-075 mounting position B3 is valid also for B6-B7-B8-V6. Mounting position V5 must be specified.
- For NMRV 090-110 mounting position B3 is valid also for B6-B7-B8. Mounting positions V5 and V6 must be specified.
- For NMRV 130-150 mounting positions B3-B6-B7-B8-V5-V6 must be specified.
- Unless specified otherwise, the standard positions are BS/B3.
- **Assembly position only in BS**
- Mount the unit in the expected mounting position. Otherwise contact our Technical Service.

NMRV-NMRL Torque Arm - Mounting Position



NMRV-NMRVP NMRL	P1		P2		P3		P4		P5		P6		P7		P8	
	J	K	J	K	J	K	J	K	J	K	J	K	J	K	J	K
025			/	/	NO	NO	/	/			/	/			/	/
030			NO	NO	NO	NO	NO	NO								
040	NO NMRL		NO	NO	NO	NO	NO	NO	NO NMRL		NO NMRL		NO NMRL		NO NMRL	
050			NO	NO	NO	NO	NO	NO			NO	NO				
063					NO	NO	NO	NO								
075			NO	NO	NO	NO	NO	NO								
090					NO	NO	NO	NO								
110					NO	NO	NO	NO								
130					NO	NO	NO	NO								
150			NO	NO	NO	NO	NO	NO	NO	NO	NO	NO			NO	NO

NRV-NRL Torque Arm - Mounting Position



NRV-NRVP NRL	P1		P2		P3		P4		P5		P6		P7		P8	
	J	K	J	K	J	K	J	K	J	K	J	K	J	K	J	K
030			NO	NO			NO	NO								
040	NO NRL		NO NRL	NO	NO NRL	NO	NO	NO	NO NRL		NO NRL		NO NRL		NO NRL	
050			NO	NO			NO	NO			NO	NO				
063							NO	NO								
075							NO	NO								
090							NO	NO								
110							NO	NO								
130							NO	NO								
150			NO	NO			NO	NO	NO	NO	NO	NO			NO	NO

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Worm Gearmotor Ratings - Motor Speed 1750 rpm

0.08 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
41	7.3	13	5	92	92	**NMRV025**	56A4	-	-
61	5.0	18	7.5	92	105	**NMRV025**	56A4	-	-
72	4.2	24	10	101	115	**NMRV025**	56A4	-	-
103	2.9	34	15	101	132	**NMRV025**	56A4	-	-
131	2.3	43	20	101	145	**NMRV025**	56A4	-	-
162	1.9	58	30	109	167	**NMRV025**	56A4	-	-
199	1.5	72	40	109	183	**NMRV025**	56A4	-	-
276	1.1	84	50	92	197	**NMRV025**	56A4	-	-

0.12 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
62	4.9	19	5	92	92	**NMRV025**	56B4	-	-
91	3.3	28	7.5	92	105	**NMRV025**	56B4	-	-
108	2.8	36	10	101	115	**NMRV025**	56B4	-	-
155	2.0	51	15	101	132	**NMRV025**	56B4	-	-
196	1.5	65	20	101	145	**NMRV025**	56B4	-	-
241	1.3	87	30	109	167	**NMRV025**	56B4	-	-
277	1.0	108	40	109	183	**NMRV025**	56B4	-	-

0.16 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
83	3.7	25	5	92	92	**NMRV025**	56C4	-	-
121	2.5	37	7.5	92	105	**NMRV025**	56C4	-	-
145	2.1	48	10	101	115	**NMRV025**	56C4	-	-
207	1.5	69	15	101	132	**NMRV025**	56C4	-	-
260	1.2	87	20	101	145	**NMRV025**	56C4	-	-
350	6.4	25	5	160	125	**NMRV030**	63A4	**NMRV030**	48C
350	11	26	5	303	240	**NMRV040**	63A4	**NMRV040**	56C
233	4.3	37	7.5	160	143	**NMRV030**	63A4	**NMRV030**	48C
233	9.4	38	7.5	353	274	**NMRV040**	63A4	**NMRV040**	56C
175	3.3	48	10	160	157	**NMRV030**	63A4	**NMRV030**	48C
175	7.5	49	10	370	302	**NMRV040**	63A4	**NMRV040**	56C
117	2.4	67	15	160	180	**NMRV030**	63A4	**NMRV030**	48C
117	5.2	72	15	370	346	**NMRV040**	63A4	**NMRV040**	56C
88	1.8	85	20	151	198	**NMRV030**	63A4	**NMRV030**	48C
88	4.0	91	20	361	380	**NMRV040**	63A4	**NMRV040**	56C
70	1.9	99	25	185	213	**NMRV030**	63A4	**NMRV030**	48C
70	3.0	110	25	328	410	**NMRV040**	63A4	**NMRV040**	56C
58	1.5	114	30	177	226	**NMRV030**	63A4	**NMRV030**	48C
58	3.3	123	30	403	435	**NMRV040**	63A4	**NMRV040**	56C
44	1.2	138	40	160	249	**NMRV030**	63A4	**NMRV030**	48C
44	2.5	152	40	378	479	**NMRV040**	63A4	**NMRV040**	56C
44	4.4	157	40	689	658	**NMRV050**	63A4	**NMRV050**	56C
35	1.9	182	50	353	516	**NMRV040**	63A4	**NMRV040**	56C
35	3.5	184	50	647	709	**NMRV050**	63A4	**NMRV050**	56C

0.16 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
29	1.6	204	60	328	549	**NMRV040**	63A4	**NMRV040**	56C
29	2.9	207	60	605	753	**NMRV050**	63A4	**NMRV050**	56C
22	1.1	244	80	277	604	**NMRV040**	63A4	**NMRV040**	56C
22	2.2	249	80	546	829	**NMRV050**	63A4	**NMRV050**	56C
22	3.8	274	80	1026	1083	**-**	-	**NMRV-P63**	56C
18	1.6	288	100	462	893	**NMRV050**	63A4	**NMRV050**	56C
18	3.2	308	100	992	1167	**-**	-	**NMRV-P63**	56C

0.25 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
350	4.1	39	5	160	125	**NMRV030**	63B4	**NMRV030**	48C
350	7.6	40	5	303	240	**NMRV040**	63B4	**NMRV040**	56C
233	2.8	57	7.5	160	143	**NMRV030**	63B4	**NMRV030**	48C
233	6.0	59	7.5	353	274	**NMRV040**	63B4	**NMRV040**	56C
175	2.1	75	10	160	157	**NMRV030**	63B4	**NMRV030**	48C
175	4.8	77	10	370	302	**NMRV040**	63B4	**NMRV040**	56C
117	1.5	105	15	160	180	**NMRV030**	63B4	**NMRV030**	48C
117	3.3	112	15	370	346	**NMRV040**	63B4	**NMRV040**	56C
88	1.1	133	20	151	198	**NMRV030**	63B4	**NMRV030**	48C
88	2.5	142	20	361	380	**NMRV040**	63B4	**NMRV040**	56C
88	4.6	144	20	656	522	**-**	-	**NMRV050**	56C
70	1.2	155	25	185	213	**NMRV030**	63B4	**NMRV030**	48C
70	1.9	171	25	328	410	**NMRV040**	63B4	**NMRV040**	56C
70	3.4	173	25	597	562	**-**	-	**NMRV050**	56C
58	1.0	178	30	177	226	**NMRV030**	63B4	**NMRV030**	48C
58	2.1	192	30	403	435	**NMRV040**	63B4	**NMRV040**	56C
58	3.8	197	30	740	598	**-**	-	**NMRV050**	56C
44	1.6	238	40	378	479	**NMRV040**	63B4	**NMRV040**	56C
44	2.8	245	40	689	658	**NMRV050**	63B4	**NMRV050**	56C
35	1.2	284	50	353	516	**NMRV040**	63B4	**NMRV040**	56C
35	2.2	288	50	647	709	**NMRV050**	63B4	**NMRV050**	56C
35	3.9	306	50	1207	926	**-**	-	**NMRV-P63**	56C
29	1.0	319	60	328	549	**NMRV040**	63B4	**NMRV040**	56C
29	1.9	324	60	605	753	**NMRV050**	63B4	**NMRV050**	56C
29	3.3	347	60	1135	984	**-**	-	**NMRV-P63**	56C
22	1.4	389	80	546	829	**NMRV050**	63B4	**NMRV050**	56C
22	2.4	427	80	1026	1083	**-**	-	**NMRV-P63**	56C
22	3.6	449	80	1632	1279	**-**	-	**NMRV-P75**	56C
18	1.0	450	100	462	893	**NMRV050**	63B4	**NMRV050**	56C
18	2.1	482	100	992	1167	**-**	-	**NMRV-P63**	56C
18	2.9	516	100	1517	1378	**-**	-	**NMRV-P75**	56C

0.33 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
350	3.1	52	5	160	125	**-**	-	**NMRV030**	48C
350	5.7	53	5	303	240	**NMRV040**	71A4	**NMRV040**	56C
233	2.1	76	7.5	160	143	**-**	-	**NMRV030**	48C
233	4.6	78	7.5	353	274	**NMRV040**	71A4	**NMRV040**	56C

0.33 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
175	1.6	99	10	160	157	**-**	-	**NMRV030**	48C
175	3.7	101	10	370	302	**NMRV040**	71A4	**NMRV040**	56C
117	1.1	139	15	160	180	**-**	-	**NMRV030**	48C
117	2.5	148	15	370	346	**NMRV040**	71A4	**NMRV040**	56C
117	4.6	148	15	681	474	**NMRV050**	71A4	**NMRV050**	56C
88	1.9	188	20	361	380	**NMRV040**	71A4	**NMRV040**	56C
88	3.4	190	20	656	522	**NMRV050**	71A4	**NMRV050**	56C
70	1.5	226	25	328	410	**NMRV040**	71A4	**NMRV040**	56C
70	2.6	229	25	597	562	**NMRV050**	71A4	**NMRV050**	56C
70	4.7	237	25	1123	735	**NMRV-P63**	71A4	**NMRV-P63**	56C
58	1.6	253	30	403	435	**NMRV040**	71A4	**NMRV040**	56C
58	2.8	260	30	740	598	**NMRV050**	71A4	**NMRV050**	56C
44	1.2	314	40	378	479	**NMRV040**	71A4	**NMRV040**	56C
44	2.1	323	40	689	658	**NMRV050**	71A4	**NMRV050**	56C
44	3.7	343	40	1261	860	**NMRV-P63**	71A4	**NMRV-P63**	56C
35	1.7	380	50	647	709	**NMRV050**	71A4	**NMRV050**	56C
35	3.0	404	50	1207	926	**NMRV-P63**	71A4	**NMRV-P63**	56C
29	1.4	428	60	605	753	**NMRV050**	71A4	**NMRV050**	56C
29	2.5	458	60	1135	984	**NMRV-P63**	71A4	**NMRV-P63**	56C
29	3.7	480	60	1778	1162	**NMRV-P75**	71A4	**NMRV-P75**	56C
22	1.1	514	80	546	829	**NMRV050**	71A4	**NMRV050**	56C
22	1.8	564	80	1026	1083	**NMRV-P63**	71A4	**NMRV-P63**	56C
22	2.8	592	80	1632	1279	**NMRV-P75**	71A4	**NMRV-P75**	56C
22	3.9	621	80	2396	1415	**-**	-	**NMRV-P90**	56C
18	1.6	636	100	992	1167	**NMRV-P63**	71A4	**NMRV-P63**	56C
18	2.2	681	100	1517	1378	**NMRV-P75**	71A4	**NMRV-P75**	56C
18	3.1	728	100	2270	1524	**-**	-	**NMRV-P90**	56C

0.50 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
350	3.8	80	5	303	240	**NMRV040**	71B4	**NMRV040**	56C
350	7.1	80	5	572	329	**NMRV050**	71B4	**NMRV050**	56C
233	3.0	118	7.5	353	274	**NMRV040**	71B4	**NMRV040**	56C
175	2.4	153	10	370	302	**NMRV040**	71B4	**NMRV040**	56C
175	4.2	157	10	664	414	**NMRV050**	71B4	**NMRV050**	56C
117	1.6	224	15	370	346	**NMRV040**	71B4	**NMRV040**	56C
117	3.0	224	15	681	474	**NMRV050**	71B4	**NMRV050**	56C
88	1.3	285	20	361	380	**NMRV040**	71B4	**NMRV040**	56C
88	2.3	288	20	656	522	**NMRV050**	71B4	**NMRV050**	56C
88	4.1	298	20	1224	683	**NMRV-P63**	71B4	**NMRV-P63**	56C
70	1.7	347	25	597	562	**NMRV050**	71B4	**NMRV050**	56C
70	3.1	359	25	1123	735	**NMRV-P63**	71B4	**NMRV-P63**	56C
58	1.1	384	30	403	435	**NMRV040**	71B4	**NMRV040**	56C
58	1.9	394	30	740	598	**NMRV050**	71B4	**NMRV050**	56C
58	3.3	410	30	1345	781	**NMRV-P63**	71B4	**NMRV-P63**	56C
44	1.4	490	40	689	658	**NMRV050**	71B4	**NMRV050**	56C
44	2.4	519	40	1261	860	**NMRV-P63**	71B4	**NMRV-P63**	56C
44	3.8	533	40	2029	1015	**NMRV-P75**	71B4	**NMRV-P75**	56C
35	1.1	576	50	647	709	**NMRV050**	71B4	**NMRV050**	56C
35	2.0	613	50	1207	926	**NMRV-P63**	71B4	**NMRV-P63**	56C
35	2.9	640	50	1880	1093	**NMRV-P75**	71B4	**NMRV-P75**	56C

0.50 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
29	1.6	694	60	1135	984	**NMRV-P63**	71B4	**NMRV-P63**	56C
29	2.4	727	60	1778	1162	**NMRV-P75**	71B4	**NMRV-P75**	56C
29	3.9	768	60	2959	1286	**-**	-	**NMRV-P90**	56C
22	1.2	855	80	1026	1083	**NMRV-P63**	71B4	**NMRV-P63**	56C
22	1.8	897	80	1632	1279	**NMRV-P75**	71B4	**NMRV-P75**	56C
22	2.5	940	80	2396	1415	**-**	-	**NMRV-P90**	56C
18	1.0	963	100	992	1167	**NMRV-P63**	71B4	**NMRV-P63**	56C
18	1.5	1031	100	1517	1378	**NMRV-P75**	71B4	**NMRV-P75**	56C
18	2.1	1103	100	2270	1524	**-**	-	**NMRV-P90**	56C

0.75 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
350	2.5	120	5	303	240	**-**	-	**NMRV040**	56C
350	4.8	120	5	572	329	**NMRV050**	80A4	**NMRV050**	56C
233	2.0	176	7.5	353	274	**-**	-	**NMRV040**	56C
233	3.6	178	7.5	647	377	**NMRV050**	80A4	**NMRV050**	56C
175	1.6	230	10	370	302	**-**	-	**NMRV040**	56C
175	2.8	235	10	664	414	**NMRV050**	80A4	**NMRV050**	56C
117	1.1	336	15	370	346	**-**	-	**NMRV040**	56C
117	2.0	336	15	681	474	**NMRV050**	80A4	**NMRV050**	56C
88	1.5	432	20	656	522	**NMRV050**	80A4	**NMRV050**	56C
88	2.7	446	20	1224	683	**NMRV-P63**	80A4	**NMRV-P63**	56C
70	1.1	520	25	597	562	**NMRV050**	80A4	**NMRV050**	56C
70	2.1	539	25	1123	735	**NMRV-P63**	80A4	**NMRV-P63**	56C
70	3.2	551	25	1784	868	**NMRV-P75**	80A4	**NMRV-P75**	56C
58	1.3	592	30	740	598	**NMRV050**	80A4	**NMRV050**	56C
58	2.2	615	30	1345	781	**NMRV-P63**	80A4	**NMRV-P63**	56C
58	3.2	631	30	2027	922	**NMRV-P75**	80A4	**NMRV-P75**	56C
44	1.6	779	40	1261	860	**NMRV-P63**	80A4	**NMRV-P63**	56C
44	2.5	800	40	2029	1015	**NMRV-P75**	80A4	**NMRV-P75**	56C
44	4.0	830	40	3329	1123	**NMRV-P90**	80A4	**NMRV-P90**	56C
35	1.3	919	50	1207	926	**NMRV-P63**	80A4	**NMRV-P63**	56C
35	2.0	960	50	1880	1093	**NMRV-P75**	80A4	**NMRV-P75**	56C
35	3.2	997	50	3144	1210	**NMRV-P90**	80A4	**NMRV-P90**	56C
29	1.1	1042	60	1135	984	**NMRV-P63**	80A4	**NMRV-P63**	56C
29	1.6	1091	60	1778	1162	**NMRV-P75**	80A4	**NMRV-P75**	56C
29	2.6	1152	60	2959	1286	**NMRV-P90**	80A4	**NMRV-P90**	56C
22	1.2	1346	80	1632	1279	**NMRV-P75**	80A4	**NMRV-P75**	56C
22	1.7	1410	80	2396	1415	**NMRV-P90**	80A4	**NMRV-P90**	56C
18	1.0	1547	100	1517	1378	**NMRV-P75**	80A4	**NMRV-P75**	56C
18	1.4	1655	100	2270	1524	**NMRV-P90**	80A4	**NMRV-P90**	56C

1 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
350	1.9	160	5	303	240	**-**	-	**NMRV040**	56C
350	3.6	160	5	572	329	**NMRV050**	80B4	**NMRV050**	56C
233	1.5	235	7.5	353	274	**-**	-	**NMRV040**	56C
233	2.7	238	7.5	647	377	**NMRV050**	80B4	**NMRV050**	56C

1 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
233	4.5	241	7.5	1076	492	**NMRV-P63**	80B4	**NMRV-P63**	56C / 143/145TC
175	1.2	306	10	370	302	**-**	-	**NMRV040**	56C
175	2.1	313	10	664	414	**NMRV050**	80B4	**NMRV050**	56C
175	3.5	315	10	1108	542	**NMRV-P63**	80B4	**NMRV-P63**	56C / 143/145TC
117	1.5	448	15	681	474	**NMRV050**	80B4	**NMRV050**	56C
117	2.7	457	15	1236	620	**NMRV-P63**	80B4	**NMRV-P63**	56C / 143/145TC
88	1.1	576	20	656	522	**NMRV050**	80B4	**NMRV050**	56C
88	2.1	595	20	1224	683	**NMRV-P63**	80B4	**NMRV-P63**	56C / 143/145TC
88	3.2	602	20	1953	806	**NMRV-P75**	80B4	**NMRV-P75**	56C / 143/145TC
70	1.6	719	25	1123	735	**NMRV-P63**	80B4	**NMRV-P63**	56C / 143/145TC
70	2.4	735	25	1784	868	**NMRV-P75**	80B4	**NMRV-P75**	56C / 143/145TC
58	1.6	819	30	1345	781	**NMRV-P63**	80B4	**NMRV-P63**	56C / 143/145TC
58	2.4	841	30	2027	922	**NMRV-P75**	80B4	**NMRV-P75**	56C / 143/145TC
44	1.2	1038	40	1261	860	**NMRV-P63**	80B4	**NMRV-P63**	56C / 143/145TC
44	1.9	1067	40	2029	1015	**NMRV-P75**	80B4	**NMRV-P75**	56C / 143/145TC
44	3.0	1107	40	3329	1123	**NMRV-P90**	80B4	**NMRV-P90**	56C / 143/145TC
35	1.0	1225	50	1207	926	**NMRV-P63**	80B4	**NMRV-P63**	56C / 143/145TC
35	1.5	1280	50	1880	1093	**NMRV-P75**	80B4	**NMRV-P75**	56C / 143/145TC
35	2.4	1330	50	3144	1210	**NMRV-P90**	80B4	**NMRV-P90**	56C / 143/145TC
35	4.0	1384	50	5548	1529	**NMRV-P110**	80B4	**NMRV-P110**	143/145TC
29	1.2	1454	60	1778	1162	**NMRV-P75**	80B4	**NMRV-P75**	56C / 143/145TC
29	1.9	1535	60	2959	1286	**NMRV-P90**	80B4	**NMRV-P90**	56C / 143/145TC
29	3.2	1617	60	5178	1625	**NMRV-P110**	80B4	**NMRV-P110**	143/145TC
22	1.3	1881	80	2396	1415	**NMRV-P90**	80B4	**NMRV-P90**	56C / 143/145TC
22	2.2	1996	80	4329	1788	**NMRV-P110**	80B4	**NMRV-P110**	143/145TC
22	3.6	1988	80	7061	2339	**-**	-	**NMRV130**	143/145TC
18	1.0	2207	100	2270	1524	**NMRV-P90**	80B4	**NMRV-P90**	56C / 143/145TC
18	1.7	2351	100	4060	1926	**NMRV-P110**	80B4	**NMRV-P110**	143/145TC
18	2.7	2341	100	6220	2519	**-**	-	**NMRV130**	143/145TC

1.5 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
350	1.3	240	5	303	240	**-**	-	**NMRV040**	56C
350	2.4	240	5	572	329	**-**	-	**NMRV050**	56C
233	1.0	353	7.5	353	274	**-**	-	**NMRV040**	56C
233	1.8	357	7.5	647	377	**-**	-	**NMRV050**	56C
233	3.0	362	7.5	1076	492	**NMRV-P63**	90S4	**NMRV-P63**	56C / 143/145TC
175	1.4	470	10	664	414	**-**	-	**NMRV050**	56C
175	2.3	472	10	1108	542	**NMRV-P63**	90S4	**NMRV-P63**	56C / 143/145TC
175	3.5	478	10	1656	639	**NMRV-P75**	90S4	**NMRV-P75**	56C / 143/145TC
117	1.0	673	15	681	474	**-**	-	**NMRV050**	56C
117	1.8	686	15	1236	620	**NMRV-P63**	90S4	**NMRV-P63**	56C / 143/145TC
117	2.7	700	15	1900	732	**NMRV-P75**	90S4	**NMRV-P75**	56C / 143/145TC
88	1.4	893	20	1224	683	**NMRV-P63**	90S4	**NMRV-P63**	56C / 143/145TC
88	2.2	903	20	1953	806	**NMRV-P75**	90S4	**NMRV-P75**	56C / 143/145TC
88	3.6	925	20	3287	891	**NMRV-P90**	90S4	**NMRV-P90**	56C / 143/145TC
70	1.0	1078	25	1123	735	**NMRV-P63**	90S4	**NMRV-P63**	56C / 143/145TC
70	1.6	1102	25	1784	868	**NMRV-P75**	90S4	**NMRV-P75**	56C / 143/145TC
70	2.8	1129	25	3144	960	**NMRV-P90**	90S4	**NMRV-P90**	56C / 143/145TC
58	1.1	1229	30	1345	781	**NMRV-P63**	90S4	**NMRV-P63**	56C / 143/145TC
58	1.6	1262	30	2027	922	**NMRV-P75**	90S4	**NMRV-P75**	56C / 143/145TC

1.5 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
58	2.8	1294	30	3631	1020	**NMRV-P90**	90S4	**NMRV-P90**	56C / 143/145TC
44	1.3	1600	40	2029	1015	**NMRV-P75**	90S4	**NMRV-P75**	56C / 143/145TC
44	2.0	1660	40	3329	1123	**NMRV-P90**	90S4	**NMRV-P90**	56C / 143/145TC
44	3.4	1725	40	5901	1419	**NMRV-P110**	90S4	**NMRV-P110**	143/145TC
35	1.0	1919	50	1880	1093	**NMRV-P75**	90S4	**NMRV-P75**	56C / 143/145TC
35	1.6	1994	50	3144	1210	**NMRV-P90**	90S4	**NMRV-P90**	56C / 143/145TC
35	2.7	2076	50	5548	1529	**NMRV-P110**	90S4	**NMRV-P110**	143/145TC
29	1.3	2303	60	2959	1286	**NMRV-P90**	90S4	**NMRV-P90**	56C / 143/145TC
29	2.1	2426	60	5178	1625	**NMRV-P110**	90S4	**NMRV-P110**	143/145TC
22	1.4	2994	80	4329	1788	**NMRV-P110**	90S4	**NMRV-P110**	143/145TC
22	2.4	2983	80	7061	2339	**NMRV130**	90S4	**NMRV130**	143/145TC
18	1.2	3526	100	4060	1926	**NMRV-P110**	90S4	**NMRV-P110**	143/145TC
18	1.8	3512	100	6220	2519	**NMRV130**	90S4	**NMRV130**	143/145TC

2 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
233	2.2	483	7.5	1076	492	**NMRV-P63**	90L4	**NMRV-P63**	143/145TC
233	3.2	483	7.5	1555	581	**NMRV-P75**	90L4	**NMRV-P75**	143/145TC
175	1.8	630	10	1108	542	**NMRV-P63**	90L4	**NMRV-P63**	143/145TC
175	2.6	637	10	1656	639	**NMRV-P75**	90L4	**NMRV-P75**	143/145TC
117	1.4	914	15	1236	620	**NMRV-P63**	90L4	**NMRV-P63**	143/145TC
117	2.0	934	15	1900	732	**NMRV-P75**	90L4	**NMRV-P75**	143/145TC
117	3.5	944	15	3329	810	**NMRV-P90**	90L4	**NMRV-P90**	143/145TC
88	1.0	1190	20	1224	683	**NMRV-P63**	90L4	**NMRV-P63**	143/145TC
88	1.6	1205	20	1953	806	**NMRV-P75**	90L4	**NMRV-P75**	143/145TC
88	2.7	1233	20	3287	891	**NMRV-P90**	90L4	**NMRV-P90**	143/145TC
70	1.2	1470	25	1784	868	**NMRV-P75**	90L4	**NMRV-P75**	143/145TC
70	2.1	1506	25	3144	960	**NMRV-P90**	90L4	**NMRV-P90**	143/145TC
70	3.7	1542	25	5707	1213	**NMRV-P110**	90L4	**NMRV-P110**	143/145TC
58	1.2	1682	30	2027	922	**NMRV-P75**	90L4	**NMRV-P75**	143/145TC
58	2.1	1725	30	3631	1020	**NMRV-P90**	90L4	**NMRV-P90**	143/145TC
58	3.5	1747	30	6094	1289	**NMRV-P110**	90L4	**NMRV-P110**	143/145TC
44	1.0	2134	40	2029	1015	**NMRV-P75**	90L4	**NMRV-P75**	143/145TC
44	1.5	2214	40	3329	1123	**NMRV-P90**	90L4	**NMRV-P90**	143/145TC
44	2.6	2300	40	5901	1419	**NMRV-P110**	90L4	**NMRV-P110**	143/145TC
35	1.2	2659	50	3144	1210	**NMRV-P90**	90L4	**NMRV-P90**	143/145TC
35	2.0	2767	50	5548	1529	**NMRV-P110**	90L4	**NMRV-P110**	143/145TC
29	1.0	3071	60	2959	1286	**NMRV-P90**	90L4	**NMRV-P90**	143/145TC
29	1.6	3234	60	5178	1625	**NMRV-P110**	90L4	**NMRV-P110**	143/145TC
22	1.1	3992	80	4329	1788	**NMRV-P110**	90L4	**NMRV-P110**	143/145TC
22	1.8	3977	80	7061	2339	**NMRV130**	90L4	**NMRV130**	143/145TC
18	1.3	4683	100	6220	2519	**NMRV130**	90L4	**NMRV130**	143/145TC

3 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
233	2.1	724	7.5	1555	581	**NMRV-P75**	100LA4	**NMRV-P75**	182/184TC
233	3.7	733	7.5	2681	643	**NMRV-P90**	100LA4	**NMRV-P90**	182/184TC

3 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
175	1.7	955	10	1656	639	**NMRV-P75**	100LA4	**NMRV-P75**	182/184TC
175	3.0	964	10	2866	708	**NMRV-P90**	100LA4	**NMRV-P90**	182/184TC
117	1.4	1400	15	1900	732	**NMRV-P75**	100LA4	**NMRV-P75**	182/184TC
117	2.4	1417	15	3329	810	**NMRV-P90**	100LA4	**NMRV-P90**	182/184TC
117	3.9	1420	15	5514	1023	**NMRV-P110**	100LA4	**NMRV-P110**	182/184TC
88	1.1	1807	20	1953	806	**NMRV-P75**	100LA4	**NMRV-P75**	182/184TC
88	1.8	1850	20	3287	891	**NMRV-P90**	100LA4	**NMRV-P90**	182/184TC
88	2.9	1872	20	5413	1126	**NMRV-P110**	100LA4	**NMRV-P110**	182/184TC
70	1.4	2259	25	3144	960	**NMRV-P90**	100LA4	**NMRV-P90**	182/184TC
70	2.5	2313	25	5707	1213	**NMRV-P110**	100LA4	**NMRV-P110**	182/184TC
58	1.4	2588	30	3631	1020	**NMRV-P90**	100LA4	**NMRV-P90**	182/184TC
58	2.3	2620	30	6094	1289	**NMRV-P110**	100LA4	**NMRV-P110**	182/184TC
58	3.3	2626	30	8742	379	**NMRV130**	100LA4	**NMRV130**	182/184TC
44	1.0	3321	40	3329	1123	**NMRV-P90**	100LA4	**NMRV-P90**	182/184TC
44	1.7	3450	40	5901	1419	**NMRV-P110**	100LA4	**NMRV-P110**	182/184TC
44	2.6	3415	40	8826	1856	**NMRV130**	100LA4	**NMRV130**	182/184TC
44	3.8	3415	40	13029	2538	**-**	-	**NMRV150**	182/184TC
35	1.3	4151	50	5548	1529	**NMRV-P110**	100LA4	**NMRV-P110**	182/184TC
35	2.0	4106	50	8238	2000	**NMRV130**	100LA4	**NMRV130**	182/184TC
35	2.8	4160	50	11768	2734	**NMRV150**	100LA4	**NMRV150**	182/184TC
29	1.1	4852	60	5178	1625	**NMRV-P110**	100LA4	**NMRV-P110**	182/184TC
29	1.6	4733	60	7565	2125	**NMRV130**	100LA4	**NMRV130**	182/184TC
29	2.2	4798	60	10591	2905	**NMRV150**	100LA4	**NMRV150**	182/184TC
22	1.2	5965	80	7061	2339	**NMRV130**	100LA4	**NMRV130**	182/184TC
22	1.6	5965	80	9667	3197	**NMRV150**	100LA4	**NMRV150**	182/184TC
18	1.2	7024	100	8406	3444	**NMRV150**	100LA4	**NMRV150**	182/184TC

5 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
233	1.3	1207	7.5	1555	581	**NMRV-P75**	112M4	**NMRV-P75**	182/184TC
233	2.2	1221	7.5	2681	643	**NMRV-P90**	112M4	**NMRV-P90**	182/184TC
233	3.8	1221	7.5	4640	812	**NMRV-P110**	112M4	**NMRV-P110**	182/184TC
175	1.0	1592	10	1656	639	**NMRV-P75**	112M4	**NMRV-P75**	182/184TC
175	1.8	1606	10	2866	708	**NMRV-P90**	112M4	**NMRV-P90**	182/184TC
175	3.1	1610	10	5027	894	**NMRV-P110**	112M4	**NMRV-P110**	182/184TC
117	1.4	2361	15	3329	810	**NMRV-P90**	112M4	**NMRV-P90**	182/184TC
117	2.3	2367	15	5514	1023	**NMRV-P110**	112M4	**NMRV-P110**	182/184TC
88	1.1	3084	20	3287	891	**NMRV-P90**	112M4	**NMRV-P90**	182/184TC
88	1.7	3120	20	5413	1126	**NMRV-P110**	112M4	**NMRV-P110**	182/184TC
70	1.5	3855	25	5707	1213	**NMRV-P110**	112M4	**NMRV-P110**	182/184TC
70	1.5	3855	25	5707	1213	**NMRV-P110**	112M4	**NMRV-P110**	182/184TC
58	1.4	4367	30	6094	1289	**NMRV-P110**	112M4	**NMRV-P110**	182/184TC
58	2.0	4377	30	8742	1686	**NMRV130**	112M4	**NMRV130**	182/184TC
58	2.2	4539	30	10087	2306	**-**	-	**NMRV150**	182/184TC
44	1.0	5751	40	5901	1419	**NMRV-P110**	112M4	**NMRV-P110**	182/184TC
44	1.6	5691	40	8826	1856	**NMRV130**	112M4	**NMRV130**	182/184TC
44	2.3	5691	40	13029	2538	**-**	-	**NMRV150**	182/184TC
35	1.2	6844	50	8238	2000	**NMRV130**	112M4	**NMRV130**	182/184TC
35	1.7	6934	50	11768	2734	**NMRV150**	112M4	**NMRV150**	182/184TC
29	1.3	7997	60	10591	2905	**NMRV150**	112M4	**NMRV150**	182/184TC

7.5 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
233	3.4	1844	7.5	6304	1062	**NMRV130**	132S4	**NMRV130**	213/215TC
175	2.9	2404	10	6893	1169	**NMRV130**	132S4	**NMRV130**	213/215TC
117	2.2	3526	15	7733	1339	**NMRV130**	132S4	**NMRV130**	213/215TC
117	2.9	3566	15	10507	1830	**-**	-	**NMRV150**	213/215TC
88	1.6	4701	20	7649	1473	**NMRV130**	132S4	**NMRV130**	213/215TC
88	2.3	4701	20	10927	2014	**NMRV150**	132S4	**NMRV150**	213/215TC
70	1.4	5741	25	7817	1587	**NMRV130**	132S4	**NMRV130**	213/215TC
70	1.8	5741	25	10087	2170	**NMRV150**	132S4	**NMRV150**	213/215TC
58	1.3	6565	30	8742	1686	**NMRV130**	132S4	**NMRV130**	213/215TC
58	1.5	6808	30	10087	2306	**NMRV150**	132S4	**NMRV150**	213/215TC
44	1.0	8537	40	8826	1856	**NMRV130**	132S4	**NMRV130**	213/215TC
44	1.5	8537	40	13029	2538	**NMRV150**	132S4	**NMRV150**	213/215TC

10 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
233	2.6	2458	7.5	6304	1062	**NMRV130**	132L4	**NMRV130**	213/215TC
175	2.2	3206	10	6893	1169	**NMRV130**	132L4	**NMRV130**	213/215TC
117	1.6	4701	15	7733	1339	**NMRV130**	132L4	**NMRV130**	213/215TC
117	2.2	4755	15	10507	1830	**NMRV150**	132L4	**NMRV150**	213/215TC
88	1.2	6268	20	7649	1473	**NMRV130**	132L4	**NMRV130**	213/215TC
88	1.7	6268	20	10927	2014	**NMRV150**	132L4	**NMRV150**	213/215TC
70	1.0	7654	25	7817	1587	**NMRV130**	132L4	**NMRV130**	213/215TC
70	1.3	7654	25	10087	2170	**NMRV150**	132L4	**NMRV150**	213/215TC
58	1.0	8753	30	8742	1686	**NMRV130**	132L4	**NMRV130**	213/215TC
58	1.1	9077	30	10087	2306	**NMRV150**	132L4	**NMRV150**	213/215TC
44	1.1	11383	40	13029	2538	**NMRV150**	132L4	**NMRV150**	213/215TC

15 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
233	2.7	3688	7.5	10087	1452	**-**	-	**NMRV150**	254/256TC
175	2.1	4863	10	10423	1599	**-**	-	**NMRV150**	254/256TC
117	1.5	7132	15	10507	1830	**-**	-	**NMRV150**	254/256TC
88	1.2	9401	20	10927	2014	**-**	-	**NMRV150**	254/256TC

20 HP

Output speed RPM	Service factor sf	Output torque in-lbs	Exact ratio i	Max. torque in-lbs	OHL Output shaft lbs	Gearmotor		Gear Reducer	
						Reducer	Motor	Reducer	NEMA C-input
233	2.1	4917	7.5	10087	1452	**-**	-	**NMRV150**	254/256TC
175	1.6	6484	10	10423	1599	**-**	-	**NMRV150**	254/256TC
117	1.1	9509	15	10507	1830	**-**	-	**NMRV150**	254/256TC

Worm Gear Reducer Ratings - Input Speed 3500 rpm

Maximum Torque **in-lbs**	Output Speed **RPM**	Exact Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
				Output Shaft **lbs**	Input Shaft **lbs**	**Motorized Input**	**Shaft Input**
67	700	5	0.84	**73**	**-**	**NMRV025**	**-**
67	467	7.5	0.57	**83**	**-**	**NMRV025**	**-**
76	350	10	0.49	**92**	**-**	**NMRV025**	**-**
76	233	15	0.34	**105**	**-**	**NMRV025**	**-**
76	175	20	0.27	**115**	**-**	**NMRV025**	**-**
76	117	30	0.19	**132**	**-**	**NMRV025**	**-**
76	88	40	0.15	**145**	**-**	**NMRV025**	**-**
76	70	50	0.13	**157**	**-**	**NMRV025**	**-**
67	58	60	0.10	**167**	**-**	**NMRV025**	**-**
101	700	5	1.26	**99**	**24**	**NMRV030**	**NRV030**
109	467	7.5	0.93	**113**	**26**	**NMRV030**	**NRV030**
109	350	10	0.71	**125**	**29**	**NMRV030**	**NRV030**
109	233	15	0.49	**143**	**29**	**NMRV030**	**NRV030**
101	175	20	0.35	**157**	**30**	**NMRV030**	**NRV030**
134	140	25	0.40	**169**	**44**	**NMRV030**	**NRV030**
126	117	30	0.32	**180**	**44**	**NMRV030**	**NRV030**
118	88	40	0.24	**198**	**27**	**NMRV030**	**NRV030**
109	70	50	0.19	**213**	**27**	**NMRV030**	**NRV030**
101	58	60	0.16	**226**	**26**	**NMRV030**	**NRV030**
92	44	80	0.12	**249**	**27**	**NMRV030**	**NRV030**
202	700	5	2.49	**190**	**42**	**NMRV040**	**NRV040**
235	467	7.5	1.96	**218**	**49**	**NMRV040**	**NRV040**
244	350	10	1.54	**240**	**57**	**NMRV040**	**NRV040**
261	233	15	1.14	**274**	**61**	**NMRV040**	**NRV040**
244	175	20	0.82	**302**	**43**	**NMRV040**	**NRV040**
235	140	25	0.65	**325**	**49**	**NMRV040**	**NRV040**
286	117	30	0.69	**346**	**73**	**NMRV040**	**NRV040**
261	88	40	0.50	**380**	**79**	**NMRV040**	**NRV040**
252	70	50	0.41	**410**	**79**	**NMRV040**	**NRV040**
235	58	60	0.33	**435**	**79**	**NMRV040**	**NRV040**
210	44	80	0.24	**479**	**79**	**NMRV040**	**NRV040**
193	35	100	0.20	**516**	**79**	**NMRV040**	**NRV040**
378	700	5	4.62	**261**	**58**	**NMRV050**	**NRV050**
437	467	7.5	3.60	**299**	**68**	**NMRV050**	**NRV050**
454	350	10	2.83	**329**	**79**	**NMRV050**	**NRV050**
479	233	15	2.06	**377**	**83**	**NMRV050**	**NRV050**
446	175	20	1.49	**414**	**87**	**NMRV050**	**NRV050**
429	140	25	1.18	**446**	**101**	**NMRV050**	**NRV050**
538	117	30	1.29	**474**	**102**	**NMRV050**	**NRV050**
496	88	40	0.93	**522**	**110**	**NMRV050**	**NRV050**
446	70	50	0.71	**562**	**110**	**NMRV050**	**NRV050**
420	58	60	0.58	**598**	**110**	**NMRV050**	**NRV050**
378	44	80	0.42	**658**	**110**	**NMRV050**	**NRV050**
336	35	100	0.33	**709**	**110**	**NMRV050**	**NRV050**
793	467	7.5	6.39	**391**	**89**	**NMRV-P063**	**NRV-P063**
838	350	10	5.11	**430**	**105**	**NMRV-P063**	**NRV-P063**
885	233	15	3.68	**492**	**111**	**NMRV-P063**	**NRV-P063**
841	175	20	2.68	**542**	**119**	**NMRV-P063**	**NRV-P063**
773	140	25	2.02	**584**	**131**	**NMRV-P063**	**NRV-P063**
1009	117	30	2.28	**620**	**157**	**NMRV-P063**	**NRV-P063**
922	88	40	1.62	**683**	**157**	**NMRV-P063**	**NRV-P063**
849	70	50	1.26	**735**	**157**	**NMRV-P063**	**NRV-P063**
803	58	60	1.03	**781**	**157**	**NMRV-P063**	**NRV-P063**
714	44	80	0.74	**860**	**157**	**NMRV-P063**	**NRV-P063**
641	35	100	0.58	**926**	**157**	**NMRV-P063**	**NRV-P063**

Maximum Torque **in-lbs**	Output Speed **RPM**	Exact Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
				Output Shaft **lbs**	Input Shaft **lbs**	**Motorized Input**	**Shaft Input**
1130	467	7.5	9.10	**461**	**126**	**NMRV-P075**	**NRV-P075**
1283	350	10	7.83	**508**	**161**	**NMRV-P075**	**NRV-P075**
1348	233	15	5.61	**581**	**169**	**NMRV-P075**	**NRV-P075**
1356	175	20	4.31	**639**	**191**	**NMRV-P075**	**NRV-P075**
1261	140	25	3.26	**689**	**220**	**NMRV-P075**	**NRV-P075**
1524	117	30	3.40	**732**	**220**	**NMRV-P075**	**NRV-P075**
1456	88	40	2.53	**806**	**220**	**NMRV-P075**	**NRV-P075**
1314	70	50	1.88	**868**	**220**	**NMRV-P075**	**NRV-P075**
1260	58	60	1.57	**922**	**220**	**NMRV-P075**	**NRV-P075**
1118	44	80	1.12	**1015**	**220**	**NMRV-P075**	**NRV-P075**
1037	35	100	0.89	**1093**	**220**	**NMRV-P075**	**NRV-P075**
1765	467	7.5	14.06	**510**	**161**	**NMRV-P090**	**NRV-P090**
1975	350	10	11.92	**562**	**202**	**NMRV-P090**	**NRV-P090**
2270	233	15	9.24	**643**	**232**	**NMRV-P090**	**NRV-P090**
2185	175	20	6.74	**708**	**252**	**NMRV-P090**	**NRV-P090**
2101	140	25	5.30	**762**	**285**	**NMRV-P090**	**NRV-P090**
2606	117	30	5.68	**810**	**285**	**NMRV-P090**	**NRV-P090**
2312	88	40	3.87	**891**	**285**	**NMRV-P090**	**NRV-P090**
2228	70	50	3.09	**960**	**285**	**NMRV-P090**	**NRV-P090**
2059	58	60	2.44	**1020**	**285**	**NMRV-P090**	**NRV-P090**
1891	44	80	1.82	**1123**	**285**	**NMRV-P090**	**NRV-P090**
1681	35	100	1.35	**1210**	**285**	**NMRV-P090**	**NRV-P090**
3287	467	7.5	26.18	**645**	**213**	**NMRV-P110**	**NRV-P110**
3673	350	10	22.18	**710**	**268**	**NMRV-P110**	**NRV-P110**
4110	233	15	16.72	**812**	**300**	**NMRV-P110**	**NRV-P110**
4060	175	20	12.53	**894**	**334**	**NMRV-P110**	**NRV-P110**
4253	140	25	10.50	**963**	**382**	**NMRV-P110**	**NRV-P110**
4640	117	30	9.87	**1023**	**382**	**NMRV-P110**	**NRV-P110**
4447	88	40	7.18	**1126**	**382**	**NMRV-P110**	**NRV-P110**
4161	70	50	5.57	**1213**	**382**	**NMRV-P110**	**NRV-P110**
3976	58	60	4.49	**1289**	**382**	**NMRV-P110**	**NRV-P110**
3354	44	80	2.71	**1419**	**382**	**NMRV-P110**	**NRV-P110**
3093	35	100	2.35	**1529**	**382**	**NMRV-P110**	**NRV-P110**
4371	467	7.5	35.19	**843**	**248**	**NMRV130**	**NRV130**
4875	350	10	29.76	**928**	**312**	**NMRV130**	**NRV130**
5632	233	15	23.43	**1062**	**360**	**NMRV130**	**NRV130**
5548	175	20	17.31	**1169**	**399**	**NMRV130**	**NRV130**
5632	140	25	14.22	**1260**	**438**	**NMRV130**	**NRV130**
6472	117	30	14.10	**1339**	**472**	**NMRV130**	**NRV130**
6136	88	40	10.27	**1473**	**472**	**NMRV130**	**NRV130**
5884	70	50	8.07	**1587**	**472**	**NMRV130**	**NRV130**
5380	58	60	6.30	**1686**	**472**	**NMRV130**	**NRV130**
4959	44	80	4.65	**1856**	**472**	**NMRV130**	**NRV130**
4371	35	100	3.42	**2000**	**472**	**NMRV130**	**NRV130**
7061	467	7.5	56.84	**1153**	**323**	**NMRV150**	**NRV150**
7481	350	10	45.17	**1269**	**385**	**NMRV150**	**NRV150**
7649	233	15	31.47	**1452**	**394**	**NMRV150**	**NRV150**
8238	175	20	25.42	**1599**	**477**	**NMRV150**	**NRV150**
7481	140	25	18.89	**1722**	**520**	**NMRV150**	**NRV150**
7733	117	30	16.46	**1830**	**584**	**NMRV150**	**NRV150**
10087	88	40	16.68	**2014**	**629**	**NMRV150**	**NRV150**
9246	70	50	12.68	**2170**	**629**	**NMRV150**	**NRV150**
8322	58	60	9.75	**2306**	**629**	**NMRV150**	**NRV150**
7733	44	80	7.16	**2538**	**629**	**NMRV150**	**NRV150**
6809	35	100	5.25	**2734**	**629**	**NMRV150**	**NRV150**

Worm Gear Reducer Ratings - Input Speed 1750 rpm

Maximum Torque **in-lbs**	Output Speed **RPM**	Exact Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
				Output Shaft **lbs**	Input Shaft **lbs**	**Motorized Input**	**Shaft Input**
92	350	5	0.59	**92**	**-**	**NMRV025**	**-**
92	233	7.5	0.40	**105**	**-**	**NMRV025**	**-**
101	175	10	0.34	**115**	**-**	**NMRV025**	**-**
101	117	15	0.24	**132**	**-**	**NMRV025**	**-**
101	88	20	0.19	**145**	**-**	**NMRV025**	**-**
109	58	30	0.15	**167**	**-**	**NMRV025**	**-**
109	44	40	0.12	**183**	**-**	**NMRV025**	**-**
92	35	50	0.09	**197**	**-**	**NMRV025**	**-**
84	29	60	0.07	**210**	**-**	**NMRV025**	**-**
160	350	5	1.02	**125**	**31**	**NMRV030**	**NRV030**
160	233	7.5	0.70	**143**	**31**	**NMRV030**	**NRV030**
160	175	10	0.53	**157**	**35**	**NMRV030**	**NRV030**
160	117	15	0.38	**180**	**35**	**NMRV030**	**NRV030**
151	88	20	0.28	**198**	**38**	**NMRV030**	**NRV030**
185	70	25	0.30	**213**	**44**	**NMRV030**	**NRV030**
177	58	30	0.25	**226**	**44**	**NMRV030**	**NRV030**
160	44	40	0.18	**249**	**44**	**NMRV030**	**NRV030**
151	35	50	0.15	**268**	**44**	**NMRV030**	**NRV030**
134	29	60	0.12	**285**	**44**	**NMRV030**	**NRV030**
109	22	80	0.08	**314**	**44**	**NMRV030**	**NRV030**
303	350	5	1.89	**240**	**52**	**NMRV040**	**NRV040**
353	233	7.5	1.50	**274**	**61**	**NMRV040**	**NRV040**
370	175	10	1.21	**302**	**72**	**NMRV040**	**NRV040**
370	117	15	0.83	**346**	**72**	**NMRV040**	**NRV040**
361	88	20	0.64	**380**	**73**	**NMRV040**	**NRV040**
328	70	25	0.48	**410**	**73**	**NMRV040**	**NRV040**
403	58	30	0.53	**435**	**73**	**NMRV040**	**NRV040**
378	44	40	0.40	**479**	**73**	**NMRV040**	**NRV040**
353	35	50	0.31	**516**	**73**	**NMRV040**	**NRV040**
328	29	60	0.26	**549**	**73**	**NMRV040**	**NRV040**
277	22	80	0.18	**604**	**73**	**NMRV040**	**NRV040**
244	18	100	0.14	**651**	**73**	**NMRV040**	**NRV040**
572	350	5	3.57	**329**	**73**	**NMRV050**	**NRV050**
647	233	7.5	2.72	**377**	**83**	**NMRV050**	**NRV050**
664	175	10	2.12	**414**	**102**	**NMRV050**	**NRV050**
681	117	15	1.52	**474**	**102**	**NMRV050**	**NRV050**
656	88	20	1.14	**522**	**102**	**NMRV050**	**NRV050**
597	70	25	0.86	**562**	**102**	**NMRV050**	**NRV050**
740	58	30	0.94	**598**	**102**	**NMRV050**	**NRV050**
689	44	40	0.70	**658**	**102**	**NMRV050**	**NRV050**
647	35	50	0.56	**709**	**102**	**NMRV050**	**NRV050**
605	29	60	0.47	**753**	**102**	**NMRV050**	**NRV050**
546	22	80	0.35	**829**	**102**	**NMRV050**	**NRV050**
462	18	100	0.26	**893**	**102**	**NMRV050**	**NRV050**
1076	233	7.5	4.46	**492**	**112**	**NMRV-P063**	**NRV-P063**
1108	175	10	3.52	**542**	**130**	**NMRV-P063**	**NRV-P063**
1236	117	15	2.70	**620**	**145**	**NMRV-P063**	**NRV-P063**
1224	88	20	2.06	**683**	**157**	**NMRV-P063**	**NRV-P063**
1123	70	25	1.56	**735**	**157**	**NMRV-P063**	**NRV-P063**
1345	58	30	1.64	**781**	**157**	**NMRV-P063**	**NRV-P063**
1261	44	40	1.21	**860**	**157**	**NMRV-P063**	**NRV-P063**
1207	35	50	0.99	**926**	**157**	**NMRV-P063**	**NRV-P063**
1135	29	60	0.82	**984**	**157**	**NMRV-P063**	**NRV-P063**
1026	22	80	0.60	**1083**	**157**	**NMRV-P063**	**NRV-P063**
992	18	100	0.51	**1167**	**157**	**NMRV-P063**	**NRV-P063**

Maximum Torque **in-lbs**	Output Speed **RPM**	Exact Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
				Output Shaft **lbs**	Input Shaft **lbs**	**Motorized Input**	**Shaft Input**
1555	233	7.5	6.44	**581**	**157**	**NMRV-P075**	**NRV-P075**
1656	175	10	5.20	**639**	**188**	**NMRV-P075**	**NRV-P075**
1900	117	15	4.07	**732**	**216**	**NMRV-P075**	**NRV-P075**
1953	88	20	3.24	**806**	**220**	**NMRV-P075**	**NRV-P075**
1784	70	25	2.43	**868**	**220**	**NMRV-P075**	**NRV-P075**
2027	58	30	2.41	**922**	**220**	**NMRV-P075**	**NRV-P075**
2029	44	40	1.90	**1015**	**220**	**NMRV-P075**	**NRV-P075**
1880	35	50	1.47	**1093**	**220**	**NMRV-P075**	**NRV-P075**
1778	29	60	1.22	**1162**	**220**	**NMRV-P075**	**NRV-P075**
1632	22	80	0.91	**1279**	**220**	**NMRV-P075**	**NRV-P075**
1517	18	100	0.74	**1378**	**220**	**NMRV-P075**	**NRV-P075**
2681	233	7.5	10.98	**643**	**202**	**NMRV-P090**	**NRV-P090**
2866	175	10	8.92	**708**	**243**	**NMRV-P090**	**NRV-P090**
3329	117	15	7.05	**810**	**283**	**NMRV-P090**	**NRV-P090**
3287	88	20	5.33	**891**	**285**	**NMRV-P090**	**NRV-P090**
3144	70	25	4.18	**960**	**285**	**NMRV-P090**	**NRV-P090**
3631	58	30	4.21	**1020**	**285**	**NMRV-P090**	**NRV-P090**
3329	44	40	3.01	**1123**	**285**	**NMRV-P090**	**NRV-P090**
3144	35	50	2.36	**1210**	**285**	**NMRV-P090**	**NRV-P090**
2959	29	60	1.93	**1286**	**285**	**NMRV-P090**	**NRV-P090**
2396	22	80	1.27	**1415**	**285**	**NMRV-P090**	**NRV-P090**
2270	18	100	1.03	**1524**	**285**	**NMRV-P090**	**NRV-P090**
4640	233	7.5	19.00	**812**	**270**	**NMRV-P110**	**NRV-P110**
5027	175	10	15.61	**894**	**329**	**NMRV-P110**	**NRV-P110**
5514	117	15	11.65	**1023**	**361**	**NMRV-P110**	**NRV-P110**
5413	88	20	8.68	**1126**	**382**	**NMRV-P110**	**NRV-P110**
5707	70	25	7.40	**1213**	**382**	**NMRV-P110**	**NRV-P110**
6094	58	30	6.98	**1289**	**382**	**NMRV-P110**	**NRV-P110**
5901	44	40	5.13	**1419**	**382**	**NMRV-P110**	**NRV-P110**
5548	35	50	4.01	**1529**	**382**	**NMRV-P110**	**NRV-P110**
5178	29	60	3.20	**1625**	**382**	**NMRV-P110**	**NRV-P110**
4329	22	80	2.17	**1788**	**382**	**NMRV-P110**	**NRV-P110**
4060	18	100	1.73	**1926**	**382**	**NMRV-P110**	**NRV-P110**
6304	233	7.5	25.65	**1062**	**313**	**NMRV130**	**NRV130**
6893	175	10	21.51	**1169**	**385**	**NMRV130**	**NRV130**
7733	117	15	16.46	**1339**	**432**	**NMRV130**	**NRV130**
7649	88	20	12.21	**1473**	**438**	**NMRV130**	**NRV130**
7817	70	25	10.22	**1587**	**438**	**NMRV130**	**NRV130**
8742	58	30	9.99	**1686**	**438**	**NMRV130**	**NRV130**
8826	44	40	7.76	**1856**	**438**	**NMRV130**	**NRV130**
8238	35	50	6.02	**2000**	**438**	**NMRV130**	**NRV130**
7565	29	60	4.80	**2125**	**438**	**NMRV130**	**NRV130**
7061	22	80	3.55	**2339**	**438**	**NMRV130**	**NRV130**
6220	18	100	2.66	**2519**	**438**	**NMRV130**	**NRV130**
10087	233	7.5	41.05	**1452**	**407**	**NMRV150**	**NRV150**
10423	175	10	32.16	**1599**	**473**	**NMRV150**	**NRV150**
10507	117	15	22.11	**1830**	**477**	**NMRV150**	**NRV150**
10927	88	20	17.44	**2014**	**558**	**NMRV150**	**NRV150**
10087	70	25	13.18	**2170**	**584**	**NMRV150**	**NRV150**
10087	58	30	11.12	**2306**	**584**	**NMRV150**	**NRV150**
13029	44	40	11.45	**2538**	**584**	**NMRV150**	**NRV150**
11768	35	50	8.49	**2734**	**584**	**NMRV150**	**NRV150**
10591	29	60	6.62	**2905**	**584**	**NMRV150**	**NRV150**
9667	22	80	4.86	**3197**	**584**	**NMRV150**	**NRV150**
8406	18	100	3.59	**3444**	**584**	**NMRV150**	**NRV150**

Worm Gear Reducer Ratings - Input Speed 1140 rpm

Maximum Torque **in-lbs**	Output Speed **RPM**	Exact Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
				Output Shaft **lbs**	Input Shaft **lbs**	**Motorized Input**	**Shaft Input**
106	228	5	0.45	**106**	**-**	**NMRV025**	**-**
106	152	7.5	0.30	**121**	**-**	**NMRV025**	**-**
115	114	10	0.25	**133**	**-**	**NMRV025**	**-**
115	76	15	0.18	**152**	**-**	**NMRV025**	**-**
111	57	20	0.14	**168**	**-**	**NMRV025**	**-**
124	38	30	0.11	**192**	**-**	**NMRV025**	**-**
119	29	40	0.09	**211**	**-**	**NMRV025**	**-**
106	23	50	0.07	**228**	**-**	**NMRV025**	**-**
93	19	60	0.05	**242**	**-**	**NMRV025**	**-**
177	228	5	0.74	**144**	**36**	**NMRV030**	**NRV030**
177	152	7.5	0.51	**164**	**37**	**NMRV030**	**NRV030**
177	114	10	0.39	**181**	**41**	**NMRV030**	**NRV030**
177	76	15	0.28	**207**	**41**	**NMRV030**	**NRV030**
168	57	20	0.21	**228**	**44**	**NMRV030**	**NRV030**
204	46	25	0.22	**246**	**47**	**NMRV030**	**NRV030**
190	38	30	0.18	**261**	**47**	**NMRV030**	**NRV030**
177	29	40	0.14	**287**	**47**	**NMRV030**	**NRV030**
164	23	50	0.11	**309**	**47**	**NMRV030**	**NRV030**
146	19	60	0.09	**329**	**47**	**NMRV030**	**NRV030**
124	14	80	0.06	**362**	**47**	**NMRV030**	**NRV030**
345	228	5	1.42	**276**	**61**	**NMRV040**	**NRV040**
389	152	7.5	1.09	**316**	**68**	**NMRV040**	**NRV040**
407	114	10	0.88	**348**	**78**	**NMRV040**	**NRV040**
416	76	15	0.62	**399**	**78**	**NMRV040**	**NRV040**
403	57	20	0.47	**439**	**79**	**NMRV040**	**NRV040**
372	46	25	0.36	**473**	**79**	**NMRV040**	**NRV040**
447	38	30	0.39	**502**	**79**	**NMRV040**	**NRV040**
420	29	40	0.29	**553**	**79**	**NMRV040**	**NRV040**
389	23	50	0.23	**596**	**79**	**NMRV040**	**NRV040**
354	19	60	0.19	**633**	**79**	**NMRV040**	**NRV040**
301	14	80	0.13	**697**	**79**	**NMRV040**	**NRV040**
270	11	100	0.11	**750**	**79**	**NMRV040**	**NRV040**
664	228	5	2.71	**379**	**84**	**NMRV050**	**NRV050**
743	152	7.5	2.06	**434**	**94**	**NMRV050**	**NRV050**
757	114	10	1.59	**478**	**110**	**NMRV050**	**NRV050**
765	76	15	1.13	**547**	**110**	**NMRV050**	**NRV050**
712	57	20	0.82	**602**	**110**	**NMRV050**	**NRV050**
650	46	25	0.62	**649**	**110**	**NMRV050**	**NRV050**
805	38	30	0.68	**690**	**110**	**NMRV050**	**NRV050**
752	29	40	0.52	**759**	**110**	**NMRV050**	**NRV050**
699	23	50	0.41	**818**	**110**	**NMRV050**	**NRV050**
655	19	60	0.34	**869**	**110**	**NMRV050**	**NRV050**
588	14	80	0.26	**956**	**110**	**NMRV050**	**NRV050**
491	11	100	0.19	**1030**	**110**	**NMRV050**	**NRV050**
1234	152	7.5	3.36	**568**	**130**	**NMRV-P063**	**NRV-P063**
1261	114	10	2.65	**625**	**150**	**NMRV-P063**	**NRV-P063**
1407	76	15	2.04	**715**	**157**	**NMRV-P063**	**NRV-P063**
1363	57	20	1.53	**787**	**157**	**NMRV-P063**	**NRV-P063**
1248	46	25	1.16	**848**	**157**	**NMRV-P063**	**NRV-P063**
1486	38	30	1.22	**901**	**157**	**NMRV-P063**	**NRV-P063**
1413	29	40	0.93	**992**	**157**	**NMRV-P063**	**NRV-P063**
1341	23	50	0.75	**1069**	**157**	**NMRV-P063**	**NRV-P063**
1271	19	60	0.62	**1136**	**157**	**NMRV-P063**	**NRV-P063**
1145	14	80	0.46	**1250**	**157**	**NMRV-P063**	**NRV-P063**
1071	11	100	0.38	**1346**	**157**	**NMRV-P063**	**NRV-P063**

Maximum Torque **in-lbs**	Output Speed **RPM**	Exact Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
				Output Shaft **lbs**	Input Shaft **lbs**	**Motorized Input**	**Shaft Input**
1770	152	7.5	4.82	**670**	**182**	**NMRV-P075**	**NRV-P075**
1880	114	10	3.92	**738**	**218**	**NMRV-P075**	**NRV-P075**
2213	76	15	3.16	**844**	**220**	**NMRV-P075**	**NRV-P075**
2212	57	20	2.47	**929**	**220**	**NMRV-P075**	**NRV-P075**
2013	46	25	1.84	**1001**	**220**	**NMRV-P075**	**NRV-P075**
2340	38	30	1.89	**1064**	**220**	**NMRV-P075**	**NRV-P075**
2315	29	40	1.49	**1171**	**220**	**NMRV-P075**	**NRV-P075**
2123	23	50	1.15	**1261**	**220**	**NMRV-P075**	**NRV-P075**
2040	19	60	0.97	**1340**	**220**	**NMRV-P075**	**NRV-P075**
1835	14	80	0.72	**1475**	**220**	**NMRV-P075**	**NRV-P075**
1663	11	100	0.57	**1589**	**220**	**NMRV-P075**	**NRV-P075**
3066	152	7.5	8.25	**742**	**234**	**NMRV-P090**	**NRV-P090**
3309	114	10	6.79	**816**	**285**	**NMRV-P090**	**NRV-P090**
3796	76	15	5.31	**934**	**285**	**NMRV-P090**	**NRV-P090**
3628	57	20	3.92	**1028**	**285**	**NMRV-P090**	**NRV-P090**
3455	46	25	3.06	**1108**	**285**	**NMRV-P090**	**NRV-P090**
4057	38	30	3.14	**1177**	**285**	**NMRV-P090**	**NRV-P090**
3747	29	40	2.28	**1296**	**285**	**NMRV-P090**	**NRV-P090**
3553	23	50	1.80	**1396**	**285**	**NMRV-P090**	**NRV-P090**
3261	19	60	1.45	**1483**	**285**	**NMRV-P090**	**NRV-P090**
2654	14	80	0.96	**1632**	**285**	**NMRV-P090**	**NRV-P090**
2433	11	100	0.76	**1758**	**285**	**NMRV-P090**	**NRV-P090**
5318	152	7.5	14.32	**937**	**312**	**NMRV-P110**	**NRV-P110**
5800	114	10	11.84	**1031**	**382**	**NMRV-P110**	**NRV-P110**
6260	76	15	8.72	**1181**	**382**	**NMRV-P110**	**NRV-P110**
6057	57	20	6.43	**1299**	**382**	**NMRV-P110**	**NRV-P110**
6362	46	25	5.49	**1400**	**382**	**NMRV-P110**	**NRV-P110**
6924	38	30	5.30	**1487**	**382**	**NMRV-P110**	**NRV-P110**
6618	29	40	3.87	**1637**	**382**	**NMRV-P110**	**NRV-P110**
6229	23	50	3.03	**1764**	**382**	**NMRV-P110**	**NRV-P110**
5742	19	60	2.40	**1874**	**382**	**NMRV-P110**	**NRV-P110**
4787	14	80	1.63	**2063**	**382**	**NMRV-P110**	**NRV-P110**
4415	11	100	1.29	**2222**	**382**	**NMRV-P110**	**NRV-P110**
7211	152	7.5	19.22	**1226**	**364**	**NMRV130**	**NRV130**
7875	114	10	16.10	**1349**	**443**	**NMRV130**	**NRV130**
8760	76	15	12.29	**1544**	**469**	**NMRV130**	**NRV130**
8627	57	20	9.07	**1700**	**472**	**NMRV130**	**NRV130**
8760	46	25	7.55	**1831**	**472**	**NMRV130**	**NRV130**
9777	38	30	7.37	**1945**	**472**	**NMRV130**	**NRV130**
9512	29	40	5.55	**2141**	**472**	**NMRV130**	**NRV130**
8981	23	50	4.36	**2307**	**472**	**NMRV130**	**NRV130**
8140	19	60	3.43	**2451**	**472**	**NMRV130**	**NRV130**
7521	14	80	2.54	**2698**	**472**	**NMRV130**	**NRV130**
6725	11	100	1.95	**2906**	**472**	**NMRV130**	**NRV130**
11502	152	7.5	30.66	**1675**	**474**	**NMRV150**	**NRV150**
12033	114	10	24.33	**1844**	**558**	**NMRV150**	**NRV150**
11945	76	15	16.47	**2111**	**554**	**NMRV150**	**NRV150**
12387	57	20	13.03	**2323**	**615**	**NMRV150**	**NRV150**
11414	46	25	9.78	**2503**	**629**	**NMRV150**	**NRV150**
11502	38	30	8.36	**2660**	**629**	**NMRV150**	**NRV150**
14821	29	40	8.65	**2927**	**629**	**NMRV150**	**NRV150**
13272	23	50	6.36	**3153**	**629**	**NMRV150**	**NRV150**
11945	19	60	4.97	**3351**	**629**	**NMRV150**	**NRV150**
10839	14	80	3.63	**3688**	**629**	**NMRV150**	**NRV150**
9512	11	100	2.73	**3973**	**629**	**NMRV150**	**NRV150**

Worm Gear Reducer Ratings - Input Speed 875 rpm

Maximum Torque **in-lbs**	Output Speed **RPM**	Exact Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
				Output Shaft **lbs**	Input Shaft **lbs**	**Motorized Input**	**Shaft Input**
115	175	5	0.38	**115**	**-**	**NMRV025**	**-**
115	117	7.5	0.25	**132**	**-**	**NMRV025**	**-**
124	88	10	0.21	**145**	**-**	**NMRV025**	**-**
124	58	15	0.15	**167**	**-**	**NMRV025**	**-**
115	44	20	0.11	**183**	**-**	**NMRV025**	**-**
133	29	30	0.09	**210**	**-**	**NMRV025**	**-**
124	22	40	0.07	**231**	**-**	**NMRV025**	**-**
115	18	50	0.06	**249**	**-**	**NMRV025**	**-**
97	15	60	0.04	**264**	**-**	**NMRV025**	**-**
186	175	5	0.61	**157**	**39**	**NMRV030**	**NRV030**
186	117	7.5	0.41	**180**	**39**	**NMRV030**	**NRV030**
186	88	10	0.32	**198**	**44**	**NMRV030**	**NRV030**
186	58	15	0.23	**226**	**44**	**NMRV030**	**NRV030**
177	44	20	0.17	**249**	**47**	**NMRV030**	**NRV030**
212	35	25	0.18	**268**	**47**	**NMRV030**	**NRV030**
195	29	30	0.15	**285**	**47**	**NMRV030**	**NRV030**
186	22	40	0.12	**314**	**47**	**NMRV030**	**NRV030**
168	18	50	0.09	**338**	**47**	**NMRV030**	**NRV030**
150	15	60	0.07	**359**	**47**	**NMRV030**	**NRV030**
133	11	80	0.05	**395**	**47**	**NMRV030**	**NRV030**
372	175	5	1.19	**302**	**65**	**NMRV040**	**NRV040**
407	117	7.5	0.89	**346**	**71**	**NMRV040**	**NRV040**
425	88	10	0.71	**380**	**79**	**NMRV040**	**NRV040**
442	58	15	0.52	**435**	**79**	**NMRV040**	**NRV040**
425	44	20	0.39	**479**	**79**	**NMRV040**	**NRV040**
398	35	25	0.30	**516**	**79**	**NMRV040**	**NRV040**
469	29	30	0.32	**549**	**79**	**NMRV040**	**NRV040**
442	22	40	0.24	**604**	**79**	**NMRV040**	**NRV040**
407	18	50	0.19	**651**	**79**	**NMRV040**	**NRV040**
363	15	60	0.15	**691**	**79**	**NMRV040**	**NRV040**
310	11	80	0.11	**761**	**79**	**NMRV040**	**NRV040**
283	8.8	100	0.09	**784**	**79**	**NMRV040**	**NRV040**
726	175	5	2.29	**414**	**90**	**NMRV050**	**NRV050**
805	117	7.5	1.73	**474**	**100**	**NMRV050**	**NRV050**
814	88	10	1.33	**522**	**110**	**NMRV050**	**NRV050**
814	58	15	0.94	**598**	**110**	**NMRV050**	**NRV050**
734	44	20	0.66	**658**	**110**	**NMRV050**	**NRV050**
672	35	25	0.50	**709**	**110**	**NMRV050**	**NRV050**
832	29	30	0.56	**753**	**110**	**NMRV050**	**NRV050**
779	22	40	0.42	**829**	**110**	**NMRV050**	**NRV050**
717	18	50	0.33	**893**	**110**	**NMRV050**	**NRV050**
672	15	60	0.28	**949**	**110**	**NMRV050**	**NRV050**
602	11	80	0.21	**1044**	**110**	**NMRV050**	**NRV050**
495	8.8	100	0.15	**1088**	**110**	**NMRV050**	**NRV050**
1336	117	7.5	2.79	**621**	**157**	**NMRV-P063**	**NRV-P063**
1354	88	10	2.20	**684**	**157**	**NMRV-P063**	**NRV-P063**
1469	58	15	1.65	**783**	**157**	**NMRV-P063**	**NRV-P063**
1398	44	20	1.24	**862**	**157**	**NMRV-P063**	**NRV-P063**
1292	35	25	0.94	**928**	**157**	**NMRV-P063**	**NRV-P063**
1572	29	30	1.02	**986**	**157**	**NMRV-P063**	**NRV-P063**
1478	22	40	0.77	**1086**	**157**	**NMRV-P063**	**NRV-P063**
1385	18	50	0.62	**1169**	**157**	**NMRV-P063**	**NRV-P063**
1318	15	60	0.51	**1243**	**157**	**NMRV-P063**	**NRV-P063**
1181	11	80	0.38	**1368**	**157**	**NMRV-P063**	**NRV-P063**
1097	8.8	100	0.32	**1409**	**157**	**NMRV-P063**	**NRV-P063**

Maximum Torque **in-lbs**	Output Speed **RPM**	Exact Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
				Output Shaft **lbs**	Input Shaft **lbs**	**Motorized Input**	**Shaft Input**
1902	117	7.5	3.98	**733**	**220**	**NMRV-P075**	**NRV-P075**
2035	88	10	3.31	**807**	**220**	**NMRV-P075**	**NRV-P075**
2268	58	15	2.55	**924**	**220**	**NMRV-P075**	**NRV-P075**
2268	44	20	2.01	**1017**	**220**	**NMRV-P075**	**NRV-P075**
2130	35	25	1.55	**1096**	**220**	**NMRV-P075**	**NRV-P075**
2542	29	30	1.65	**1164**	**220**	**NMRV-P075**	**NRV-P075**
2452	22	40	1.28	**1281**	**220**	**NMRV-P075**	**NRV-P075**
2254	18	50	1.00	**1380**	**220**	**NMRV-P075**	**NRV-P075**
2183	15	60	0.85	**1467**	**220**	**NMRV-P075**	**NRV-P075**
1949	11	80	0.63	**1614**	**220**	**NMRV-P075**	**NRV-P075**
1734	8.8	100	0.50	**1659**	**220**	**NMRV-P075**	**NRV-P075**
1902	117	7.5	3.93	**811**	**285**	**NMRV-P090**	**NRV-P090**
2035	88	10	3.23	**893**	**285**	**NMRV-P090**	**NRV-P090**
2079	58	15	2.25	**1022**	**285**	**NMRV-P090**	**NRV-P090**
2079	44	20	1.75	**1125**	**285**	**NMRV-P090**	**NRV-P090**
1938	35	25	1.34	**1212**	**285**	**NMRV-P090**	**NRV-P090**
2300	29	30	1.39	**1288**	**285**	**NMRV-P090**	**NRV-P090**
2132	22	40	1.02	**1418**	**285**	**NMRV-P090**	**NRV-P090**
2035	18	50	0.81	**1527**	**285**	**NMRV-P090**	**NRV-P090**
1938	15	60	0.69	**1623**	**285**	**NMRV-P090**	**NRV-P090**
1770	11	80	0.51	**1786**	**285**	**NMRV-P090**	**NRV-P090**
1681	8.8	100	0.42	**1838**	**285**	**NMRV-P090**	**NRV-P090**
5751	117	7.5	11.90	**1025**	**382**	**NMRV-P110**	**NRV-P110**
6309	88	10	9.90	**1129**	**382**	**NMRV-P110**	**NRV-P110**
6716	58	15	7.19	**1292**	**382**	**NMRV-P110**	**NRV-P110**
6415	44	20	5.27	**1422**	**382**	**NMRV-P110**	**NRV-P110**
6716	35	25	4.52	**1532**	**382**	**NMRV-P110**	**NRV-P110**
7432	29	30	4.44	**1628**	**382**	**NMRV-P110**	**NRV-P110**
7025	22	40	3.23	**1791**	**382**	**NMRV-P110**	**NRV-P110**
6618	18	50	2.54	**1930**	**382**	**NMRV-P110**	**NRV-P110**
6034	15	60	2.01	**2051**	**382**	**NMRV-P110**	**NRV-P110**
5017	11	80	1.35	**2257**	**382**	**NMRV-P110**	**NRV-P110**
4557	8.8	100	1.07	**2319**	**382**	**NMRV-P110**	**NRV-P110**
7786	117	7.5	16.02	**1339**	**391**	**NMRV130**	**NRV130**
8494	88	10	13.40	**1473**	**472**	**NMRV130**	**NRV130**
9379	58	15	10.21	**1686**	**472**	**NMRV130**	**NRV130**
9202	44	20	7.52	**1856**	**472**	**NMRV130**	**NRV130**
9290	35	25	6.22	**2000**	**472**	**NMRV130**	**NRV130**
10352	29	30	6.07	**2125**	**472**	**NMRV130**	**NRV130**
9733	22	40	4.45	**2339**	**472**	**NMRV130**	**NRV130**
9290	18	50	3.53	**2519**	**472**	**NMRV130**	**NRV130**
8317	15	60	2.75	**2677**	**472**	**NMRV130**	**NRV130**
7609	11	80	2.03	**2947**	**472**	**NMRV130**	**NRV130**
6901	8.8	100	1.60	**3034**	**472**	**NMRV130**	**NRV130**
12387	117	7.5	25.48	**1830**	**510**	**NMRV150**	**NRV150**
13095	88	10	20.43	**2014**	**607**	**NMRV150**	**NRV150**
12830	58	15	13.65	**2306**	**594**	**NMRV150**	**NRV150**
13272	44	20	10.84	**2538**	**629**	**NMRV150**	**NRV150**
12210	35	25	8.07	**2734**	**629**	**NMRV150**	**NRV150**
12387	29	30	6.99	**2905**	**629**	**NMRV150**	**NRV150**
15927	22	40	7.28	**3197**	**629**	**NMRV150**	**NRV150**
14157	18	50	5.31	**3444**	**629**	**NMRV150**	**NRV150**
12741	15	60	4.15	**3660**	**629**	**NMRV150**	**NRV150**
11502	11	80	3.03	**4028**	**629**	**NMRV150**	**NRV150**
10175	8.8	100	2.32	**4045**	**629**	**NMRV150**	**NRV150**

Helical Worm Gearmotor Ratings - Motor Speed 1750 rpm

0.16 HP

Maximum Power **HP**	Output Speed **RPM**	Service Factor **sf**	Output Torque **in-lbs**	Ratio **Stage 1**	Ratio **Stage 2**	Ratio **i**	Max. Torque **in-lbs**	OHL Output Shaft **lbs**	Gearmotor		Gear Reducer	
									Reducer	**Motor**	**Reducer**	**NEMA C-face**
2.29	79	14.3	107	2.94	7.5	22.08	1537	705	**HW030+NMRV-P063**	-	**HW030+NMRV-P063**	56C
1.94	60	12.2	138	3.87	7.5	29.00	1682	772	**HW030+NMRV-P063**	-	**HW030+NMRV-P063**	56C
1.54	45	9.6	176	3.87	10	38.67	1691	850	**HW030+NMRV-P063**	-	**HW030+NMRV-P063**	56C
1.37	40	8.5	196	2.94	15	44.17	1671	889	**HW030+NMRV-P063**	-	**HW030+NMRV-P063**	56C
1.35	37	8.5	214	4.75	10	47.50	1812	911	**HW030+NMRV-P063**	-	**HW030+NMRV-P063**	56C
1.17	30	7.3	250	3.87	15	58.00	1829	973	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
1.03	25	6.5	304	4.75	15	71.25	1960	1042	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.91	23	5.7	320	3.87	20	77.33	1816	1071	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.95	21	5.9	346	5.45	15	81.82	2052	1092	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.85	20	5.3	333	2.94	30	88.33	1778	1120	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.83	18	5.2	387	4.75	20	95.00	1997	1147	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.76	16	4.8	439	5.45	20	109.09	2098	1201	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.76	15	4.7	490	7.88	15	118.13	2319	1234	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.58	13	3.6	526	5.45	25	136.36	1912	1294	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.66	12	4.1	508	4.75	30	142.50	2085	1313	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.60	11	3.7	619	7.88	20	157.50	2308	1358	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.61	11	3.8	576	5.45	30	163.64	2183	1375	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.43	10	2.7	552	2.94	60	176.67	1490	1409	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.45	8.9	2.8	741	7.88	25	196.88	2097	1409	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.48	8.0	3.0	712	5.45	40	218.18	2115	1409	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.49	7.4	3.0	810	7.88	30	236.25	2467	1409	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.38	6.4	2.4	823	5.45	50	272.73	1958	1409	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.59	6.4	3.7	860	5.45	50	272.73	3189	1659	**HW030+NMRV-P075**	63A4	**HW030+NMRV-P075**	56C
0.37	5.6	2.3	994	7.88	40	315.00	2298	1409	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.58	5.6	3.6	1045	7.88	40	315.00	3797	1659	**HW030+NMRV-P075**	63A4	**HW030+NMRV-P075**	56C
0.29	4.4	1.8	1152	7.88	50	393.75	2089	1409	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.46	4.4	2.9	1198	7.88	50	393.75	3415	1659	**HW030+NMRV-P075**	63A4	**HW030+NMRV-P075**	56C
0.29	4.0	1.8	1337	10.83	40	433.33	2391	1409	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.62	4.0	3.9	1418	8.75	50	437.50	5524	1838	**HW040+NMRV-P090**	63A4	**HW040+NMRV-P090**	56C
0.54	3.8	3.4	1403	7.67	60	460.00	4724	1838	**HW040+NMRV-P090**	63A4	**HW040+NMRV-P090**	56C
0.24	3.7	1.5	1279	7.88	60	472.50	1895	1409	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.38	3.7	2.4	1358	7.88	60	472.50	3238	1659	**HW030+NMRV-P075**	63A4	**HW030+NMRV-P075**	56C
0.49	3.3	3.0	1584	8.75	60	525.00	4810	1838	**HW040+NMRV-P090**	63A4	**HW040+NMRV-P090**	56C
0.22	3.2	1.4	1555	10.83	50	541.67	2166	1409	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.30	3.2	1.9	1611	10.83	50	541.67	3061	1659	**HW030+NMRV-P075**	63A4	**HW030+NMRV-P075**	56C
0.36	2.9	2.2	1695	7.67	80	613.33	3770	1838	**HW040+NMRV-P090**	63A4	**HW040+NMRV-P090**	56C
0.61	2.9	3.8	1833	7.67	80	613.33	7020	2319	**HW040+NMRV-P110**	63A4	**HW040+NMRV-P110**	56C
0.18	2.7	1.1	1715	10.83	60	650.00	1957	1409	**HW030+NMRV-P063**	63A4	**HW030+NMRV-P063**	56C
0.29	2.7	1.8	1824	10.83	60	650.00	3351	1659	**HW030+NMRV-P075**	63A4	**HW030+NMRV-P075**	56C
0.32	2.5	2.0	1917	8.75	80	700.00	3826	1838	**HW040+NMRV-P090**	63A4	**HW040+NMRV-P090**	56C
0.55	2.5	3.4	2073	8.75	80	700.00	7141	2319	**HW040+NMRV-P110**	63A4	**HW040+NMRV-P110**	56C
0.26	2.3	1.6	1909	7.67	100	766.67	3109	1838	**HW040+NMRV-P090**	63A4	**HW040+NMRV-P090**	56C
0.43	2.3	2.7	2081	7.67	100	766.67	5643	2319	**HW040+NMRV-P110**	63A4	**HW040+NMRV-P110**	56C
0.18	2.2	1.1	1780	7.88	100	787.50	1973	1659	**HW030+NMRV-P075**	63A4	**HW030+NMRV-P075**	56C
0.19	2.0	1.2	2148	10.83	80	866.67	2526	1659	**HW030+NMRV-P075**	63A4	**HW030+NMRV-P075**	56C
0.23	2.0	1.5	2151	8.75	100	875.00	3129	1838	**HW040+NMRV-P090**	63A4	**HW040+NMRV-P090**	56C
0.39	2.0	2.4	2347	8.75	100	875.00	5679	2319	**HW040+NMRV-P110**	63A4	**HW040+NMRV-P110**	56C
0.20	23	1.2	292	3.00	25	75.00	362	591	**PC063+NMRV040**	63A4	**PC063+NMRV040**	56C
0.36	23	2.2	294	3.00	25	75.00	660	811	**PC063+NMRV050**	63A4	**PC063+NMRV050**	56C
0.22	19	1.4	320	3.00	30	90.00	446	628	**PC063+NMRV040**	63A4	**PC063+NMRV040**	56C
0.40	19	2.5	328	3.00	30	90.00	818	862	**PC063+NMRV050**	63A4	**PC063+NMRV050**	56C

0.16 HP

Maximum Power HP	Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Ratio i	Max. Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
									Reducer	Motor	Reducer	NEMA C-face
0.17	14	1.1	394	3.00	40	120.00	418	691	**PC063+NMRV040**	63A4	**PC063+NMRV040**	56C
0.31	14	1.9	401	3.00	40	120.00	762	949	**PC063+NMRV050**	63A4	**PC063+NMRV050**	56C
0.24	11	1.5	471	3.00	50	150.00	715	1022	**PC063+NMRV050**	63A4	**PC063+NMRV050**	56C
0.21	9.7	1.3	525	3.00	60	180.00	669	1086	**PC063+NMRV050**	63A4	**PC063+NMRV050**	56C
0.16	7.3	1.0	619	3.00	80	240.00	604	1088	**PC063+NMRV050**	63A4	**PC063+NMRV050**	56C

0.25 HP

Maximum Power HP	Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Ratio i	Max. Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
									Reducer	Motor	Reducer	NEMA C-face
2.29	79	9.2	168	2.94	7.5	22.08	1537	705	**HW030+NMRV-P063**	-	**HW030+NMRV-P063**	56C
1.94	60	7.8	216	3.87	7.5	29.00	1682	772	**HW030+NMRV-P063**	-	**HW030+NMRV-P063**	56C
1.54	45	6.2	275	3.87	10	38.67	1691	850	**HW030+NMRV-P063**	-	**HW030+NMRV-P063**	56C
1.37	40	5.5	306	2.94	15	44.17	1671	889	**HW030+NMRV-P063**	-	**HW030+NMRV-P063**	56C
1.35	37	5.4	335	4.75	10	47.50	1812	911	**HW030+NMRV-P063**	-	**HW030+NMRV-P063**	56C
1.17	30	4.7	391	3.87	15	58.00	1829	973	**HW030+NMRV-P063**	63B4	**HW030+NMRV-P063**	56C
1.03	25	4.1	474	4.75	15	71.25	1960	1042	**HW030+NMRV-P063**	63B4	**HW030+NMRV-P063**	56C
0.91	23	3.6	500	3.87	20	77.33	1816	1071	**HW030+NMRV-P063**	63B4	**HW030+NMRV-P063**	56C
0.95	21	3.8	540	5.45	15	81.82	2052	1092	**HW030+NMRV-P063**	63B4	**HW030+NMRV-P063**	56C
0.85	20	3.4	521	2.94	30	88.33	1778	1120	**HW030+NMRV-P063**	63B4	**HW030+NMRV-P063**	56C
0.83	18	3.3	604	4.75	20	95.00	1997	1147	**HW030+NMRV-P063**	63B4	**HW030+NMRV-P063**	56C
0.76	16	3.1	686	5.45	20	109.09	2098	1201	**HW030+NMRV-P063**	63B4	**HW030+NMRV-P063**	56C
0.76	15	3.0	766	7.88	15	118.13	2319	1234	**HW030+NMRV-P063**	63B4	**HW030+NMRV-P063**	56C
0.58	13	2.3	822	5.45	25	136.36	1912	1294	**HW030+NMRV-P063**	63B4	**HW030+NMRV-P063**	56C
0.94	13	3.8	845	5.45	25	136.36	3182	1528	**HW030+NMRV-P075**	63B4	**HW030+NMRV-P075**	56C
0.66	12	2.6	794	4.75	30	142.50	2085	1313	**HW030+NMRV-P063**	63B4	**HW030+NMRV-P063**	56C
0.90	11	3.6	852	3.87	40	154.67	3080	1592	**HW030+NMRV-P075**	63B4	**HW030+NMRV-P075**	56C
0.60	11	2.4	968	7.88	20	157.50	2308	1358	**HW030+NMRV-P063**	63B4	**HW030+NMRV-P063**	56C
0.61	11	2.4	900	5.45	30	163.64	2183	1375	**HW030+NMRV-P063**	63B4	**HW030+NMRV-P063**	56C
0.93	11	3.7	943	5.45	30	163.64	3527	1623	**HW030+NMRV-P075**	63B4	**HW030+NMRV-P075**	56C
0.43	10	1.7	862	2.94	60	176.67	1490	1409	**HW030+NMRV-P063**	63B4	**HW030+NMRV-P063**	56C
0.69	10	2.7	908	2.94	60	176.67	2491	1659	**HW030+NMRV-P075**	63B4	**HW030+NMRV-P075**	56C
0.93	9.4	3.7	997	3.11	60	186.32	3699	1838	**HW040+NMRV-P090**	63B4	**HW040+NMRV-P090**	56C
0.45	8.9	1.8	1158	7.88	25	196.88	2097	1409	**HW030+NMRV-P063**	63B4	**HW030+NMRV-P063**	56C
0.74	8.9	2.9	1192	7.88	25	196.88	3507	1659	**HW030+NMRV-P075**	63B4	**HW030+NMRV-P075**	56C
0.48	8.0	1.9	1113	5.45	40	218.18	2115	1409	**HW030+NMRV-P063**	63B4	**HW030+NMRV-P063**	56C
0.74	8.0	3.0	1162	5.45	40	218.18	3456	1659	**HW030+NMRV-P075**	63B4	**HW030+NMRV-P075**	56C
0.49	7.4	1.9	1266	7.88	30	236.25	2467	1409	**HW030+NMRV-P063**	63B4	**HW030+NMRV-P063**	56C
0.75	7.4	3.0	1328	7.88	30	236.25	3985	1659	**HW030+NMRV-P075**	63B4	**HW030+NMRV-P075**	56C
0.81	6.9	3.2	1284	4.20	60	252.00	4148	1838	**HW040+NMRV-P090**	63B4	**HW040+NMRV-P090**	56C
0.38	6.4	1.5	1286	5.45	50	272.73	1958	1409	**HW030+NMRV-P063**	63B4	**HW030+NMRV-P063**	56C
0.59	6.4	2.4	1343	5.45	50	272.73	3189	1659	**HW030+NMRV-P075**	63B4	**HW030+NMRV-P075**	56C
0.87	6.4	3.5	1449	5.50	50	275.00	5073	1838	**HW040+NMRV-P090**	63B4	**HW040+NMRV-P090**	56C
0.82	5.7	3.3	1589	6.09	50	304.55	5191	1838	**HW040+NMRV-P090**	63B4	**HW040+NMRV-P090**	56C
0.37	5.6	1.5	1552	7.88	40	315.00	2298	1409	**HW030+NMRV-P063**	63B4	**HW030+NMRV-P063**	56C
0.58	5.6	2.3	1633	7.88	40	315.00	3797	1659	**HW030+NMRV-P075**	63B4	**HW030+NMRV-P075**	56C
0.68	5.3	2.7	1624	5.50	60	330.00	4449	1838	**HW040+NMRV-P090**	63B4	**HW040+NMRV-P090**	56C
0.69	4.6	2.8	1960	7.67	50	383.33	5416	1838	**HW040+NMRV-P090**	63B4	**HW040+NMRV-P090**	56C
0.99	4.6	4.0	2091	7.67	50	383.33	8291	2319	**HW040+NMRV-P110**	63B4	**HW040+NMRV-P110**	56C
0.29	4.4	1.2	1800	7.88	50	393.75	2089	1409	**HW030+NMRV-P063**	63B4	**HW030+NMRV-P063**	56C
0.46	4.4	1.8	1872	7.88	50	393.75	3415	1659	**HW030+NMRV-P075**	63B4	**HW030+NMRV-P075**	56C

0.25 HP

Maximum Power HP	Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Ratio i	Max. Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
									Reducer	Motor	Reducer	NEMA C-face
0.29	4.0	1.1	2090	10.83	40	433.33	2391	1409	**HW030+NMRV-P063**	63B4	**HW030+NMRV-P063**	56C
0.62	4.0	2.5	2216	8.75	50	437.50	5524	1838	**HW040+NMRV-P090**	63B4	**HW040+NMRV-P090**	56C
0.79	4.0	3.1	2112	5.50	80	440.00	6635	2319	**HW040+NMRV-P110**	63B4	**HW040+NMRV-P110**	56C
0.54	3.8	2.2	2191	7.67	60	460.00	4724	1838	**HW040+NMRV-P090**	63B4	**HW040+NMRV-P090**	56C
0.90	3.8	3.6	2352	7.67	60	460.00	8488	2319	**HW040+NMRV-P110**	63B4	**HW040+NMRV-P110**	56C
0.38	3.7	1.5	2122	7.88	60	472.50	3238	1659	**HW030+NMRV-P075**	63B4	**HW030+NMRV-P075**	56C
0.49	3.3	1.9	2475	8.75	60	525.00	4810	1838	**HW040+NMRV-P090**	63B4	**HW040+NMRV-P090**	56C
0.75	3.3	3.0	2659	8.75	60	525.00	8006	2319	**HW040+NMRV-P110**	63B4	**HW040+NMRV-P110**	56C
0.30	3.2	1.2	2517	10.83	50	541.67	3061	1659	**HW030+NMRV-P075**	63B4	**HW030+NMRV-P075**	56C
0.36	2.9	1.4	2649	7.67	80	613.33	3770	1838	**HW040+NMRV-P090**	63B4	**HW040+NMRV-P090**	56C
0.61	2.9	2.5	2863	7.67	80	613.33	7020	2319	**HW040+NMRV-P110**	63B4	**HW040+NMRV-P110**	56C
0.29	2.7	1.2	2851	10.83	60	650.00	3351	1659	**HW030+NMRV-P075**	63B4	**HW030+NMRV-P075**	56C
0.32	2.5	1.3	2995	8.75	80	700.00	3826	1838	**HW040+NMRV-P090**	63B4	**HW040+NMRV-P090**	56C
0.55	2.5	2.2	3239	8.75	80	700.00	7141	2319	**HW040+NMRV-P110**	63B4	**HW040+NMRV-P110**	56C
0.26	2.3	1.0	2983	7.67	100	766.67	3109	1838	**HW040+NMRV-P090**	63B4	**HW040+NMRV-P090**	56C
0.43	2.3	1.7	3251	7.67	100	766.67	5643	2319	**HW040+NMRV-P110**	63B4	**HW040+NMRV-P110**	56C
0.39	2.0	1.5	3667	8.75	100	875.00	5679	2319	**HW040+NMRV-P110**	63B4	**HW040+NMRV-P110**	56C
0.32	15	1.3	602	3.00	40	120.00	762	949	**PC063+NMRV050**	63B4	**PC063+NMRV050**	56C
0.25	12	1.0	706	3.00	50	150.00	715	1022	**PC063+NMRV050**	63B4	**PC063+NMRV050**	56C

0.33 HP

Maximum Power HP	Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Ratio i	Max. Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
									Reducer	Motor	Reducer	NEMA C-face
2.29	79	6.9	221	2.94	7.5	22.08	1537	705	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
1.94	60	5.9	285	3.87	7.5	29.00	1682	772	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
1.54	45	4.7	363	3.87	10	38.67	1691	850	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
1.37	40	4.1	403	2.94	15	44.17	1671	889	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
1.35	37	4.1	442	4.75	10	47.50	1812	911	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
1.17	30	3.5	516	3.87	15	58.00	1829	973	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
1.03	25	3.1	626	4.75	15	71.25	1960	1042	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
0.91	23	2.7	660	3.87	20	77.33	1816	1071	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
0.95	21	2.9	713	5.45	15	81.82	2052	1092	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
0.85	20	2.6	688	2.94	30	88.33	1778	1120	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
1.32	20	4.0	718	2.94	30	88.33	2872	1322	**HW030+NMRV-P075**	71A4	**HW030+NMRV-P075**	56C
0.83	18	2.5	797	4.75	20	95.00	1997	1147	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
0.76	16	2.3	905	5.45	20	109.09	2098	1201	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
1.25	16	3.8	931	5.45	20	109.09	3524	1418	**HW030+NMRV-P075**	71A4	**HW030+NMRV-P075**	56C
1.14	15	3.5	911	3.87	30	116.00	3143	1447	**HW030+NMRV-P075**	71A4	**HW030+NMRV-P075**	56C
0.76	15	2.3	1012	7.88	15	118.13	2319	1234	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
0.58	13	1.8	1085	5.45	25	136.36	1912	1294	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
0.94	13	2.9	1116	5.45	25	136.36	3182	1528	**HW030+NMRV-P075**	71A4	**HW030+NMRV-P075**	56C
0.66	12	2.0	1048	4.75	30	142.50	2085	1313	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
1.01	12	3.1	1097	4.75	30	142.50	3368	1550	**HW030+NMRV-P075**	71A4	**HW030+NMRV-P075**	56C
0.90	11	2.7	1125	3.87	40	154.67	3080	1592	**HW030+NMRV-P075**	71A4	**HW030+NMRV-P075**	56C
1.17	11	3.5	1168	3.11	50	155.26	4137	1765	**HW040+NMRV-P090**	71A4	**HW040+NMRV-P090**	56C
0.60	11	1.8	1277	7.88	20	157.50	2308	1358	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
0.61	11	1.8	1188	5.45	30	163.64	2183	1375	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
0.93	11	2.8	1245	5.45	30	163.64	3527	1623	**HW030+NMRV-P075**	71A4	**HW030+NMRV-P075**	56C
0.43	10	1.3	1138	2.94	60	176.67	1490	1409	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C

0.33 HP

Maximum Power HP	Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Ratio i	Max. Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
									Reducer	Motor	Reducer	NEMA C-face
0.69	10	2.1	1199	2.94	60	176.67	2491	1659	**HW030+NMRV-P075**	71A4	**HW030+NMRV-P075**	56C
0.93	9.4	2.8	1316	3.11	60	186.32	3699	1838	**HW040+NMRV-P090**	71A4	**HW040+NMRV-P090**	56C
0.45	8.9	1.4	1529	7.88	25	196.88	2097	1409	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
0.74	8.9	2.2	1574	7.88	25	196.88	3507	1659	**HW030+NMRV-P075**	71A4	**HW030+NMRV-P075**	56C
0.48	8.0	1.4	1469	5.45	40	218.18	2115	1409	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
0.74	8.0	2.3	1534	5.45	40	218.18	3456	1659	**HW030+NMRV-P075**	71A4	**HW030+NMRV-P075**	56C
1.10	8.0	3.3	1622	5.50	40	220.00	5431	1838	**HW040+NMRV-P090**	71A4	**HW040+NMRV-P090**	56C
0.49	7.4	1.5	1671	7.88	30	236.25	2467	1409	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
0.75	7.4	2.3	1753	7.88	30	236.25	3985	1659	**HW030+NMRV-P075**	71A4	**HW030+NMRV-P075**	56C
0.81	6.9	2.4	1694	4.20	60	252.00	4148	1838	**HW040+NMRV-P090**	71A4	**HW040+NMRV-P090**	56C
0.38	6.4	1.2	1698	5.45	50	272.73	1958	1409	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
0.59	6.4	1.8	1773	5.45	50	272.73	3189	1659	**HW030+NMRV-P075**	71A4	**HW030+NMRV-P075**	56C
0.87	6.4	2.7	1913	5.50	50	275.00	5073	1838	**HW040+NMRV-P090**	71A4	**HW040+NMRV-P090**	56C
0.82	5.7	2.5	2097	6.09	50	304.55	5191	1838	**HW040+NMRV-P090**	71A4	**HW040+NMRV-P090**	56C
0.37	5.6	1.1	2049	7.88	40	315.00	2298	1409	**HW030+NMRV-P063**	71A4	**HW030+NMRV-P063**	56C
0.58	5.6	1.8	2155	7.88	40	315.00	3797	1659	**HW030+NMRV-P075**	71A4	**HW030+NMRV-P075**	56C
0.68	5.3	2.1	2144	5.50	60	330.00	4449	1838	**HW040+NMRV-P090**	71A4	**HW040+NMRV-P090**	56C
1.14	5.3	3.5	2296	5.50	60	330.00	7966	2319	**HW040+NMRV-P110**	71A4	**HW040+NMRV-P110**	56C
0.69	4.6	2.1	2587	7.67	50	383.33	5416	1838	**HW040+NMRV-P090**	71A4	**HW040+NMRV-P090**	56C
0.99	4.6	3.0	2760	7.67	50	383.33	8291	2319	**HW040+NMRV-P110**	71A4	**HW040+NMRV-P110**	56C
0.46	4.4	1.4	2471	7.88	50	393.75	3415	1659	**HW030+NMRV-P075**	71A4	**HW030+NMRV-P075**	56C
0.62	4.0	1.9	2925	8.75	50	437.50	5524	1838	**HW040+NMRV-P090**	71A4	**HW040+NMRV-P090**	56C
0.79	4.0	2.4	2788	5.50	80	440.00	6635	2319	**HW040+NMRV-P110**	71A4	**HW040+NMRV-P110**	56C
0.54	3.8	1.6	2893	7.67	60	460.00	4724	1838	**HW040+NMRV-P090**	71A4	**HW040+NMRV-P090**	56C
0.90	3.8	2.7	3105	7.67	60	460.00	8488	2319	**HW040+NMRV-P110**	71A4	**HW040+NMRV-P110**	56C
0.38	3.7	1.2	2802	7.88	60	472.50	3238	1659	**HW030+NMRV-P075**	71A4	**HW030+NMRV-P075**	56C
0.49	3.3	1.5	3268	8.75	60	525.00	4810	1838	**HW040+NMRV-P090**	71A4	**HW040+NMRV-P090**	56C
0.75	3.3	2.3	3510	8.75	60	525.00	8006	2319	**HW040+NMRV-P110**	71A4	**HW040+NMRV-P110**	56C
0.36	2.9	1.1	3497	7.67	80	613.33	3770	1838	**HW040+NMRV-P090**	71A4	**HW040+NMRV-P090**	56C
0.61	2.9	1.9	3780	7.67	80	613.33	7020	2319	**HW040+NMRV-P110**	71A4	**HW040+NMRV-P110**	56C
0.32	2.5	1.0	3953	8.75	80	700.00	3826	1838	**HW040+NMRV-P090**	71A4	**HW040+NMRV-P090**	56C
0.55	2.5	1.7	4276	8.75	80	700.00	7141	2319	**HW040+NMRV-P110**	71A4	**HW040+NMRV-P110**	56C
0.43	2.3	1.3	4291	7.67	100	766.67	5643	2319	**HW040+NMRV-P110**	71A4	**HW040+NMRV-P110**	56C
0.39	2.0	1.2	4841	8.75	100	875.00	5679	2319	**HW040+NMRV-P110**	71A4	**HW040+NMRV-P110**	56C
0.35	23	1.1	613	3.00	25	75.00	660	811	**PC071+NMRV050**	71A4	**PC071+NMRV050**	56C
0.39	19	1.2	683	3.00	30	90.00	818	862	**PC071+NMRV050**	71A4	**PC071+NMRV050**	56C

0.5 HP

Maximum Power HP	Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Ratio i	Max. Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
									Reducer	Motor	Reducer	NEMA C-face
2.29	79	4.6	335	2.94	7.5	22.08	1537	705	**HW030+NMRV-P063**	71B4	**HW030+NMRV-P063**	56C
1.94	60	3.9	432	3.87	7.5	29.00	1682	772	**HW030+NMRV-P063**	71B4	**HW030+NMRV-P063**	56C
1.54	45	3.1	550	3.87	10	38.67	1691	850	**HW030+NMRV-P063**	71B4	**HW030+NMRV-P063**	56C
1.37	40	2.7	611	2.94	15	44.17	1671	889	**HW030+NMRV-P063**	71B4	**HW030+NMRV-P063**	56C
1.35	37	2.7	669	4.75	10	47.50	1812	911	**HW030+NMRV-P063**	71B4	**HW030+NMRV-P063**	56C
1.95	37	3.9	678	4.75	10	47.50	2645	1075	**HW030+NMRV-P075**	71B4	**HW030+NMRV-P075**	56C
1.17	30	2.3	782	3.87	15	58.00	1829	973	**HW030+NMRV-P063**	71B4	**HW030+NMRV-P063**	56C
1.81	30	3.6	803	3.87	15	58.00	2908	1148	**HW030+NMRV-P075**	71B4	**HW030+NMRV-P075**	56C
1.03	25	2.1	949	4.75	15	71.25	1960	1042	**HW030+NMRV-P063**	71B4	**HW030+NMRV-P063**	56C

0.5 HP

Maximum Power HP	Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Ratio i	Max. Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
									Reducer	Motor	Reducer	NEMA C-face
1.60	25	3.2	974	4.75	15	71.25	3116	1230	**HW030+NMRV-P075**	71B4	**HW030+NMRV-P075**	56C
0.91	23	1.8	1001	3.87	20	77.33	1816	1071	**HW030+NMRV-P063**	71B4	**HW030+NMRV-P063**	56C
1.49	23	3.0	1028	3.87	20	77.33	3056	1264	**HW030+NMRV-P075**	71B4	**HW030+NMRV-P075**	56C
1.88	23	3.8	1042	3.11	25	77.63	3926	1401	**HW040+NMRV-P090**	71B4	**HW040+NMRV-P090**	56C
0.95	21	1.9	1080	5.45	15	81.82	2052	1092	**HW030+NMRV-P063**	71B4	**HW030+NMRV-P063**	56C
1.47	21	2.9	1109	5.45	15	81.82	3263	1288	**HW030+NMRV-P075**	71B4	**HW030+NMRV-P075**	56C
0.85	20	1.7	1042	2.94	30	88.33	1778	1120	**HW030+NMRV-P063**	71B4	**HW030+NMRV-P063**	56C
1.32	20	2.6	1088	2.94	30	88.33	2872	1322	**HW030+NMRV-P075**	71B4	**HW030+NMRV-P075**	56C
0.83	18	1.7	1208	4.75	20	95.00	1997	1147	**HW030+NMRV-P063**	71B4	**HW030+NMRV-P063**	56C
1.36	18	2.7	1241	4.75	20	95.00	3365	1354	**HW030+NMRV-P075**	71B4	**HW030+NMRV-P075**	56C
0.76	16	1.5	1372	5.45	20	109.09	2098	1201	**HW030+NMRV-P063**	71B4	**HW030+NMRV-P063**	56C
1.25	16	2.5	1410	5.45	20	109.09	3524	1418	**HW030+NMRV-P075**	71B4	**HW030+NMRV-P075**	56C
1.81	16	3.6	1471	5.50	20	110.00	5317	1574	**HW040+NMRV-P090**	71B4	**HW040+NMRV-P090**	56C
1.14	15	2.3	1380	3.87	30	116.00	3143	1447	**HW030+NMRV-P075**	71B4	**HW030+NMRV-P075**	56C
0.76	15	1.5	1533	7.88	15	118.13	2319	1234	**HW030+NMRV-P063**	71B4	**HW030+NMRV-P063**	56C
1.75	14	3.5	1554	4.20	30	126.00	5444	1646	**HW040+NMRV-P090**	71B4	**HW040+NMRV-P090**	56C
0.58	13	1.2	1643	5.45	25	136.36	1912	1294	**HW030+NMRV-P063**	71B4	**HW030+NMRV-P063**	56C
0.94	13	1.9	1691	5.45	25	136.36	3182	1528	**HW030+NMRV-P075**	71B4	**HW030+NMRV-P075**	56C
1.48	13	3.0	1767	5.50	25	137.50	5233	1695	**HW040+NMRV-P090**	71B4	**HW040+NMRV-P090**	56C
0.66	12	1.3	1588	4.75	30	142.50	2085	1313	**HW030+NMRV-P063**	71B4	**HW030+NMRV-P063**	56C
1.01	12	2.0	1662	4.75	30	142.50	3368	1550	**HW030+NMRV-P075**	71B4	**HW030+NMRV-P075**	56C
0.90	11	1.8	1705	3.87	40	154.67	3080	1592	**HW030+NMRV-P075**	71B4	**HW030+NMRV-P075**	56C
1.17	11	2.3	1770	3.11	50	155.26	4137	1765	**HW040+NMRV-P090**	71B4	**HW040+NMRV-P090**	56C
1.98	11	4.0	1845	3.11	50	155.26	7324	2230	**HW040+NMRV-P110**	71B4	**HW040+NMRV-P110**	56C
0.60	11	1.2	1935	7.88	20	157.50	2308	1358	**HW030+NMRV-P063**	71B4	**HW030+NMRV-P063**	56C
0.61	11	1.2	1800	5.45	30	163.64	2183	1375	**HW030+NMRV-P063**	71B4	**HW030+NMRV-P063**	56C
0.93	11	1.9	1886	5.45	30	163.64	3527	1623	**HW030+NMRV-P075**	71B4	**HW030+NMRV-P075**	56C
1.50	11	3.0	1987	5.50	30	165.00	5955	1801	**HW040+NMRV-P090**	71B4	**HW040+NMRV-P090**	56C
0.69	10	1.4	1816	2.94	60	176.67	2491	1659	**HW030+NMRV-P075**	71B4	**HW030+NMRV-P075**	56C
0.93	9.4	1.9	1993	3.11	60	186.32	3699	1838	**HW040+NMRV-P090**	71B4	**HW040+NMRV-P090**	56C
1.54	9.4	3.1	2124	3.11	60	186.32	6541	2319	**HW040+NMRV-P110**	71B4	**HW040+NMRV-P110**	56C
0.74	8.9	1.5	2385	7.88	25	196.88	3507	1659	**HW030+NMRV-P075**	71B4	**HW030+NMRV-P075**	56C
0.48	8.0	1.0	2225	5.45	40	218.18	2115	1409	**HW030+NMRV-P063**	71B4	**HW030+NMRV-P063**	56C
0.74	8.0	1.5	2324	5.45	40	218.18	3456	1659	**HW030+NMRV-P075**	71B4	**HW030+NMRV-P075**	56C
1.10	8.0	2.2	2458	5.50	40	220.00	5431	1838	**HW040+NMRV-P090**	71B4	**HW040+NMRV-P090**	56C
1.91	8.0	3.8	2588	5.50	40	220.00	9864	2319	**HW040+NMRV-P110**	71B4	**HW040+NMRV-P110**	56C
0.49	7.4	1.0	2532	7.88	30	236.25	2467	1409	**HW030+NMRV-P063**	71B4	**HW030+NMRV-P063**	56C
0.75	7.4	1.5	2656	7.88	30	236.25	3985	1659	**HW030+NMRV-P075**	71B4	**HW030+NMRV-P075**	56C
0.81	6.9	1.6	2567	4.20	60	252.00	4148	1838	**HW040+NMRV-P090**	71B4	**HW040+NMRV-P090**	56C
1.35	6.9	2.7	2743	4.20	60	252.00	7394	2319	**HW040+NMRV-P110**	71B4	**HW040+NMRV-P110**	56C
0.59	6.4	1.2	2687	5.45	50	272.73	3189	1659	**HW030+NMRV-P075**	71B4	**HW030+NMRV-P075**	56C
0.87	6.4	1.7	2899	5.50	50	275.00	5073	1838	**HW040+NMRV-P090**	71B4	**HW040+NMRV-P090**	56C
1.48	6.4	3.0	3072	5.50	50	275.00	9108	2319	**HW040+NMRV-P110**	71B4	**HW040+NMRV-P110**	56C
0.82	5.7	1.6	3178	6.09	50	304.55	5191	1838	**HW040+NMRV-P090**	71B4	**HW040+NMRV-P090**	56C
1.38	5.7	2.8	3375	6.09	50	304.55	9332	2319	**HW040+NMRV-P110**	71B4	**HW040+NMRV-P110**	56C
0.58	5.6	1.2	3266	7.88	40	315.00	3797	1659	**HW030+NMRV-P075**	71B4	**HW030+NMRV-P075**	56C
0.68	5.3	1.4	3248	5.50	60	330.00	4449	1838	**HW040+NMRV-P090**	71B4	**HW040+NMRV-P090**	56C
1.14	5.3	2.3	3479	5.50	60	330.00	7966	2319	**HW040+NMRV-P110**	71B4	**HW040+NMRV-P110**	56C
0.69	4.6	1.4	3920	7.67	50	383.33	5416	1838	**HW040+NMRV-P090**	71B4	**HW040+NMRV-P090**	56C
0.99	4.6	2.0	4182	7.67	50	383.33	8291	2319	**HW040+NMRV-P110**	71B4	**HW040+NMRV-P110**	56C
0.62	4.0	1.2	4431	8.75	50	437.50	5524	1838	**HW040+NMRV-P090**	71B4	**HW040+NMRV-P090**	56C
0.79	4.0	1.6	4224	5.50	80	440.00	6635	2319	**HW040+NMRV-P110**	71B4	**HW040+NMRV-P110**	56C
0.54	3.8	1.1	4383	7.67	60	460.00	4724	1838	**HW040+NMRV-P090**	71B4	**HW040+NMRV-P090**	56C
0.90	3.8	1.8	4704	7.67	60	460.00	8488	2319	**HW040+NMRV-P110**	71B4	**HW040+NMRV-P110**	56C

0.5 HP

Maximum Power HP	Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Ratio i	Max. Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
									Reducer	Motor	Reducer	NEMA C-face
0.49	3.3	1.0	4951	8.75	60	525.00	4810	1838	**HW040+NMRV-P090**	71B4	**HW040+NMRV-P090**	56C
0.75	3.3	1.5	5317	8.75	60	525.00	8006	2319	**HW040+NMRV-P110**	71B4	**HW040+NMRV-P110**	56C
0.61	2.9	1.2	5727	7.67	80	613.33	7020	2319	**HW040+NMRV-P110**	71B4	**HW040+NMRV-P110**	56C
0.55	2.5	1.1	6479	8.75	80	700.00	7141	2319	**HW040+NMRV-P110**	71B4	**HW040+NMRV-P110**	56C

0.75 HP

Maximum Power HP	Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Ratio i	Max. Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
									Reducer	Motor	Reducer	NEMA C-face
2.29	79	3.1	503	2.94	7.5	22.08	1537	705	**HW030+NMRV-P063**	80A4	**HW030+NMRV-P063**	56C
1.94	60	2.6	649	3.87	7.5	29.00	1682	772	**HW030+NMRV-P063**	80A4	**HW030+NMRV-P063**	56C
2.78	60	3.7	642	3.87	7.5	29.00	2377	911	**HW030+NMRV-P075**	80A4	**HW030+NMRV-P075**	56C
1.54	45	2.1	824	3.87	10	38.67	1691	850	**HW030+NMRV-P063**	80A4	**HW030+NMRV-P063**	56C
2.22	45	3.0	835	3.87	10	38.67	2468	1003	**HW030+NMRV-P075**	80A4	**HW030+NMRV-P075**	56C
1.37	40	1.8	917	2.94	15	44.17	1671	889	**HW030+NMRV-P063**	80A4	**HW030+NMRV-P063**	56C
2.12	40	2.8	940	2.94	15	44.17	2657	1049	**HW030+NMRV-P075**	80A4	**HW030+NMRV-P075**	56C
1.35	37	1.8	1004	4.75	10	47.50	1812	911	**HW030+NMRV-P063**	80A4	**HW030+NMRV-P063**	56C
1.95	37	2.6	1016	4.75	10	47.50	2645	1075	**HW030+NMRV-P075**	80A4	**HW030+NMRV-P075**	56C
1.17	30	1.6	1174	3.87	15	58.00	1829	973	**HW030+NMRV-P063**	80A4	**HW030+NMRV-P063**	56C
1.81	30	2.4	1204	3.87	15	58.00	2908	1148	**HW030+NMRV-P075**	80A4	**HW030+NMRV-P075**	56C
2.85	28	3.8	1335	4.20	15	63.00	5068	1307	**HW040+NMRV-P090**	80A4	**HW040+NMRV-P090**	56C
1.03	25	1.4	1423	4.75	15	71.25	1960	1042	**HW030+NMRV-P063**	80A4	**HW030+NMRV-P063**	56C
1.60	25	2.1	1460	4.75	15	71.25	3116	1230	**HW030+NMRV-P075**	80A4	**HW030+NMRV-P075**	56C
0.91	23	1.2	1501	3.87	20	77.33	1816	1071	**HW030+NMRV-P063**	80A4	**HW030+NMRV-P063**	56C
1.49	23	2.0	1541	3.87	20	77.33	3056	1264	**HW030+NMRV-P075**	80A4	**HW030+NMRV-P075**	56C
1.88	23	2.5	1563	3.11	25	77.63	3926	1401	**HW040+NMRV-P090**	80A4	**HW040+NMRV-P090**	56C
0.95	21	1.3	1620	5.45	15	81.82	2052	1092	**HW030+NMRV-P063**	80A4	**HW030+NMRV-P063**	56C
1.47	21	2.0	1663	5.45	15	81.82	3263	1288	**HW030+NMRV-P075**	80A4	**HW030+NMRV-P075**	56C
2.13	21	2.8	1714	4.20	20	84.00	4861	1438	**HW040+NMRV-P090**	80A4	**HW040+NMRV-P090**	56C
0.85	20	1.1	1563	2.94	30	88.33	1778	1120	**HW030+NMRV-P063**	80A4	**HW030+NMRV-P063**	56C
1.32	20	1.8	1633	2.94	30	88.33	2872	1322	**HW030+NMRV-P075**	80A4	**HW030+NMRV-P075**	56C
2.07	19	2.8	1783	3.11	30	93.16	4923	1489	**HW040+NMRV-P090**	80A4	**HW040+NMRV-P090**	56C
0.83	18	1.1	1812	4.75	20	95.00	1997	1147	**HW030+NMRV-P063**	80A4	**HW030+NMRV-P063**	56C
1.36	18	1.8	1862	4.75	20	95.00	3365	1354	**HW030+NMRV-P075**	80A4	**HW030+NMRV-P075**	56C
0.76	16	1.0	2058	5.45	20	109.09	2098	1201	**HW030+NMRV-P063**	80A4	**HW030+NMRV-P063**	56C
1.25	16	1.7	2115	5.45	20	109.09	3524	1418	**HW030+NMRV-P075**	80A4	**HW030+NMRV-P075**	56C
1.81	16	2.4	2206	5.50	20	110.00	5317	1574	**HW040+NMRV-P090**	80A4	**HW040+NMRV-P090**	56C
1.14	15	1.5	2069	3.87	30	116.00	3143	1447	**HW030+NMRV-P075**	80A4	**HW030+NMRV-P075**	56C
0.76	15	1.0	2299	7.88	15	118.13	2319	1234	**HW030+NMRV-P063**	80A4	**HW030+NMRV-P063**	56C
1.75	14	2.3	2331	4.20	30	126.00	5444	1646	**HW040+NMRV-P090**	80A4	**HW040+NMRV-P090**	56C
0.94	13	1.3	2536	5.45	25	136.36	3182	1528	**HW030+NMRV-P075**	80A4	**HW030+NMRV-P075**	56C
1.48	13	2.0	2650	5.50	25	137.50	5233	1695	**HW040+NMRV-P090**	80A4	**HW040+NMRV-P090**	56C
2.26	13	3.0	2758	5.50	25	137.50	8300	2142	**HW040+NMRV-P110**	80A4	**HW040+NMRV-P110**	56C
1.01	12	1.4	2494	4.75	30	142.50	3368	1550	**HW030+NMRV-P075**	80A4	**HW030+NMRV-P075**	56C
0.90	11	1.2	2557	3.87	40	154.67	3080	1592	**HW030+NMRV-P075**	80A4	**HW030+NMRV-P075**	56C
1.17	11	1.6	2654	3.11	50	155.26	4137	1765	**HW040+NMRV-P090**	80A4	**HW040+NMRV-P090**	56C
1.98	11	2.6	2768	3.11	50	155.26	7324	2230	**HW040+NMRV-P110**	80A4	**HW040+NMRV-P110**	56C
0.93	11	1.2	2829	5.45	30	163.64	3527	1623	**HW030+NMRV-P075**	80A4	**HW030+NMRV-P075**	56C
1.50	11	2.0	2981	5.50	30	165.00	5955	1801	**HW040+NMRV-P090**	80A4	**HW040+NMRV-P090**	56C
2.21	10	2.9	3051	4.20	40	168.00	8988	2290	**HW040+NMRV-P110**	80A4	**HW040+NMRV-P110**	56C

0.75 HP

Maximum Power HP	Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Ratio i	Max. Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
									Reducer	Motor	Reducer	NEMA C-face
0.93	9.4	1.2	2990	3.11	60	186.32	3699	1838	**HW040+NMRV-P090**	80A4	**HW040+NMRV-P090**	56C
1.54	9.4	2.1	3185	3.11	60	186.32	6541	2319	**HW040+NMRV-P110**	80A4	**HW040+NMRV-P110**	56C
0.74	8.9	1.0	3577	7.88	25	196.88	3507	1659	**HW030+NMRV-P075**	80A4	**HW030+NMRV-P075**	56C
0.74	8.0	1.0	3487	5.45	40	218.18	3456	1659	**HW030+NMRV-P075**	80A4	**HW030+NMRV-P075**	56C
1.10	8.0	1.5	3686	5.50	40	220.00	5431	1838	**HW040+NMRV-P090**	80A4	**HW040+NMRV-P090**	56C
1.91	8.0	2.5	3882	5.50	40	220.00	9864	2319	**HW040+NMRV-P110**	80A4	**HW040+NMRV-P110**	56C
0.75	7.4	1.0	3984	7.88	30	236.25	3985	1659	**HW030+NMRV-P075**	80A4	**HW030+NMRV-P075**	56C
0.81	6.9	1.1	3851	4.20	60	252.00	4148	1838	**HW040+NMRV-P090**	80A4	**HW040+NMRV-P090**	56C
1.35	6.9	1.8	4115	4.20	60	252.00	7394	2319	**HW040+NMRV-P110**	80A4	**HW040+NMRV-P110**	56C
0.87	6.4	1.2	4348	5.50	50	275.00	5073	1838	**HW040+NMRV-P090**	80A4	**HW040+NMRV-P090**	56C
1.48	6.4	2.0	4608	5.50	50	275.00	9108	2319	**HW040+NMRV-P110**	80A4	**HW040+NMRV-P110**	56C
0.82	5.7	1.1	4766	6.09	50	304.55	5191	1838	**HW040+NMRV-P090**	80A4	**HW040+NMRV-P090**	56C
1.38	5.7	1.8	5062	6.09	50	304.55	9332	2319	**HW040+NMRV-P110**	80A4	**HW040+NMRV-P110**	56C
1.14	5.3	1.5	5218	5.50	60	330.00	7966	2319	**HW040+NMRV-P110**	80A4	**HW040+NMRV-P110**	56C
0.99	4.6	1.3	6272	7.67	50	383.33	8291	2319	**HW040+NMRV-P110**	80A4	**HW040+NMRV-P110**	56C
0.79	4.0	1.0	6336	5.50	80	440.00	6635	2319	**HW040+NMRV-P110**	80A4	**HW040+NMRV-P110**	56C
0.90	3.8	1.2	7056	7.67	60	460.00	8488	2319	**HW040+NMRV-P110**	80A4	**HW040+NMRV-P110**	56C
0.75	3.3	1.0	7976	8.75	60	525.00	8006	2319	**HW040+NMRV-P110**	80A4	**HW040+NMRV-P110**	56C

1 HP

Maximum Power HP	Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Ratio i	Max. Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
									Reducer	Motor	Reducer	NEMA C-face
2.29	79	2.3	670	2.94	7.5	22.08	1537	705	**HW030+NMRV-P063**	80B4	**HW030+NMRV-P063**	56C/143/145TC
3.23	79	3.2	660	2.94	7.5	22.08	2132	833	**HW030+NMRV-P075**	80B4	**HW030+NMRV-P075**	56C/143/145TC
1.94	60	1.9	865	3.87	7.5	29.00	1682	772	**HW030+NMRV-P063**	80B4	**HW030+NMRV-P063**	56C/143/145TC
2.78	60	2.8	856	3.87	7.5	29.00	2377	911	**HW030+NMRV-P075**	80B4	**HW030+NMRV-P075**	56C/143/145TC
1.54	45	1.5	1099	3.87	10	38.67	1691	850	**HW030+NMRV-P063**	80B4	**HW030+NMRV-P063**	56C/143/145TC
2.22	45	2.2	1113	3.87	10	38.67	2468	1003	**HW030+NMRV-P075**	80B4	**HW030+NMRV-P075**	56C/143/145TC
3.54	42	3.5	1235	4.20	10	42.00	4371	1142	**HW040+NMRV-P090**	80B4	**HW040+NMRV-P090**	56C/143/145TC
3.54	42	3.5	1235	4.20	10	42.00	4371	1442	**HW040+NMRV-P110**	80B4	**HW040+NMRV-P110**	56C/143/145TC
1.37	40	1.4	1222	2.94	15	44.17	1671	889	**HW030+NMRV-P063**	80B4	**HW030+NMRV-P063**	56C/143/145TC
2.12	40	2.1	1253	2.94	15	44.17	2657	1049	**HW030+NMRV-P075**	80B4	**HW030+NMRV-P075**	56C/143/145TC
3.40	38	3.4	1348	3.11	15	46.58	4583	1182	**HW040+NMRV-P090**	80B4	**HW040+NMRV-P090**	56C/143/145TC
1.35	37	1.4	1339	4.75	10	47.50	1812	911	**HW030+NMRV-P063**	80B4	**HW030+NMRV-P063**	56C/143/145TC
1.95	37	2.0	1355	4.75	10	47.50	2645	1075	**HW030+NMRV-P075**	80B4	**HW030+NMRV-P075**	56C/143/145TC
1.17	30	1.2	1565	3.87	15	58.00	1829	973	**HW030+NMRV-P063**	80B4	**HW030+NMRV-P063**	56C/143/145TC
1.81	30	1.8	1605	3.87	15	58.00	2908	1148	**HW030+NMRV-P075**	80B4	**HW030+NMRV-P075**	56C/143/145TC
3.90	28	3.9	1775	3.11	20	62.11	6929	1643	**HW040+NMRV-P110**	80B4	**HW040+NMRV-P110**	56C/143/145TC
2.85	28	2.8	1780	4.20	15	63.00	5068	1307	**HW040+NMRV-P090**	80B4	**HW040+NMRV-P090**	56C/143/145TC
1.03	25	1.0	1897	4.75	15	71.25	1960	1042	**HW030+NMRV-P063**	80B4	**HW030+NMRV-P063**	56C/143/145TC
1.60	25	1.6	1947	4.75	15	71.25	3116	1230	**HW030+NMRV-P075**	80B4	**HW030+NMRV-P075**	56C/143/145TC
1.49	23	1.5	2055	3.87	20	77.33	3056	1264	**HW030+NMRV-P075**	80B4	**HW030+NMRV-P075**	56C/143/145TC
1.88	23	1.9	2083	3.11	25	77.63	3926	1401	**HW040+NMRV-P090**	80B4	**HW040+NMRV-P090**	56C/143/145TC
3.39	23	3.4	2165	3.11	25	77.63	7332	1770	**HW040+NMRV-P110**	80B4	**HW040+NMRV-P110**	56C/143/145TC
1.47	21	1.5	2218	5.45	15	81.82	3263	1288	**HW030+NMRV-P075**	80B4	**HW030+NMRV-P075**	56C/143/145TC
2.13	21	2.1	2285	4.20	20	84.00	4861	1438	**HW040+NMRV-P090**	80B4	**HW040+NMRV-P090**	56C/143/145TC
3.54	21	3.5	2344	4.20	20	84.00	8299	1817	**HW040+NMRV-P110**	80B4	**HW040+NMRV-P110**	56C/143/145TC
1.32	20	1.3	2177	2.94	30	88.33	2872	1322	**HW030+NMRV-P075**	80B4	**HW030+NMRV-P075**	56C/143/145TC
2.07	19	2.1	2377	3.11	30	93.16	4923	1489	**HW040+NMRV-P090**	80B4	**HW040+NMRV-P090**	56C/143/145TC

1 HP

Maximum Power **HP**	Output Speed **RPM**	Service Factor **sf**	Output Torque **in-lbs**	Ratio **Stage 1**	Ratio **Stage 2**	Ratio **i**	Max. Torque **in-lbs**	OHL Output Shaft **lbs**	Gearmotor		Gear Reducer	
									Reducer	**Motor**	**Reducer**	**NEMA C-face**
3.36	19	3.4	2416	3.11	30	93.16	8114	1881	**HW040+NMRV-P110**	80B4	**HW040+NMRV-P110**	56C/143/145TC
1.36	18	1.4	2482	4.75	20	95.00	3365	1354	**HW030+NMRV-P075**	80B4	**HW030+NMRV-P075**	56C/143/145TC
3.14	17	3.1	2856	4.20	25	105.00	8973	1958	**HW040+NMRV-P110**	80B4	**HW040+NMRV-P110**	56C/143/145TC
1.25	16	1.2	2820	5.45	20	109.09	3524	1418	**HW030+NMRV-P075**	80B4	**HW030+NMRV-P075**	56C/143/145TC
1.81	16	1.8	2942	5.50	20	110.00	5317	1574	**HW040+NMRV-P090**	80B4	**HW040+NMRV-P090**	56C/143/145TC
1.14	15	1.1	2759	3.87	30	116.00	3143	1447	**HW030+NMRV-P075**	80B4	**HW030+NMRV-P075**	56C/143/145TC
1.75	14	1.8	3107	4.20	30	126.00	5444	1646	**HW040+NMRV-P090**	80B4	**HW040+NMRV-P090**	56C/143/145TC
3.12	14	3.1	3139	4.20	30	126.00	9809	2080	**HW040+NMRV-P110**	80B4	**HW040+NMRV-P110**	56C/143/145TC
1.48	13	1.5	3533	5.50	25	137.50	5233	1695	**HW040+NMRV-P090**	80B4	**HW040+NMRV-P090**	56C/143/145TC
2.26	13	2.3	3677	5.50	25	137.50	8300	2142	**HW040+NMRV-P110**	80B4	**HW040+NMRV-P110**	56C/143/145TC
1.01	12	1.0	3325	4.75	30	142.50	3368	1550	**HW030+NMRV-P075**	80B4	**HW030+NMRV-P075**	56C/143/145TC
1.17	11	1.2	3539	3.11	50	155.26	4137	1765	**HW040+NMRV-P090**	80B4	**HW040+NMRV-P090**	56C/143/145TC
1.98	11	2.0	3690	3.11	50	155.26	7324	2230	**HW040+NMRV-P110**	80B4	**HW040+NMRV-P110**	56C/143/145TC
1.50	11	1.5	3975	5.50	30	165.00	5955	1801	**HW040+NMRV-P090**	80B4	**HW040+NMRV-P090**	56C/143/145TC
2.21	10	2.2	4068	4.20	40	168.00	8988	2290	**HW040+NMRV-P110**	80B4	**HW040+NMRV-P110**	56C/143/145TC
1.54	9.4	1.5	4247	3.11	60	186.32	6541	2319	**HW040+NMRV-P110**	80B4	**HW040+NMRV-P110**	56C/143/145TC
1.10	8.0	1.1	4915	5.50	40	220.00	5431	1838	**HW040+NMRV-P090**	80B4	**HW040+NMRV-P090**	56C/143/145TC
1.91	8.0	1.9	5176	5.50	40	220.00	9864	2319	**HW040+NMRV-P110**	80B4	**HW040+NMRV-P110**	56C/143/145TC
1.35	6.9	1.3	5486	4.20	60	252.00	7394	2319	**HW040+NMRV-P110**	80B4	**HW040+NMRV-P110**	56C/143/145TC
1.48	6.4	1.5	6144	5.50	50	275.00	9108	2319	**HW040+NMRV-P110**	80B4	**HW040+NMRV-P110**	56C/143/145TC
1.38	5.7	1.4	6750	6.09	50	304.55	9332	2319	**HW040+NMRV-P110**	80B4	**HW040+NMRV-P110**	56C/143/145TC
1.14	5.3	1.1	6957	5.50	60	330.00	7966	2319	**HW040+NMRV-P110**	80B4	**HW040+NMRV-P110**	56C/143/145TC
0.99	4.6	1.0	8363	7.67	50	383.33	8291	2319	**HW040+NMRV-P110**	80B4	**HW040+NMRV-P110**	56C/143/145TC

1.5 HP

Maximum Power **HP**	Output Speed **RPM**	Service Factor **sf**	Output Torque **in-lbs**	Ratio **Stage 1**	Ratio **Stage 2**	Ratio **i**	Max. Torque **in-lbs**	OHL Output Shaft **lbs**	Gearmotor		Gear Reducer	
									Reducer	**Motor**	**Reducer**	**NEMA C-face**
2.29	79	1.5	1006	2.94	7.5	22.08	1537	705	**HW030+NMRV-P063**	-	**HW030+NMRV-P063**	56C/143/145TC
3.23	79	2.2	991	2.94	7.5	22.08	2132	833	**HW030+NMRV-P075**	-	**HW030+NMRV-P075**	56C/143/145TC
5.22	75	3.5	1054	3.11	7.5	23.29	3670	938	**HW040+NMRV-P090**	90S4	**HW040+NMRV-P090**	56C/143/145TC
5.22	75	3.5	1069	3.11	7.5	23.29	3722	1185	**HW040+NMRV-P110**	90S4	**HW040+NMRV-P110**	56C/143/145TC
1.94	60	1.3	1297	3.87	7.5	29.00	1682	772	**HW030+NMRV-P063**	-	**HW030+NMRV-P063**	56C/143/145TC
2.78	60	1.9	1284	3.87	7.5	29.00	2377	911	**HW030+NMRV-P075**	-	**HW030+NMRV-P075**	56C/143/145TC
4.39	56	2.9	1393	3.11	10	31.05	4073	1032	**HW040+NMRV-P090**	90S4	**HW040+NMRV-P090**	56C/143/145TC
5.22	56	3.5	1393	3.11	10	31.05	4849	1304	**HW040+NMRV-P110**	90S4	**HW040+NMRV-P110**	56C/143/145TC
1.54	45	1.0	1649	3.87	10	38.67	1691	850	**HW030+NMRV-P063**	-	**HW030+NMRV-P063**	56C/143/145TC
2.22	45	1.5	1669	3.87	10	38.67	2468	1003	**HW030+NMRV-P075**	-	**HW030+NMRV-P075**	56C/143/145TC
3.54	42	2.4	1852	4.20	10	42.00	4371	1142	**HW040+NMRV-P090**	90S4	**HW040+NMRV-P090**	56C/143/145TC
3.54	42	2.4	1852	4.20	10	42.00	4371	1442	**HW040+NMRV-P110**	90S4	**HW040+NMRV-P110**	56C/143/145TC
2.12	40	1.4	1880	2.94	15	44.17	2657	1049	**HW030+NMRV-P075**	-	**HW030+NMRV-P075**	56C/143/145TC
3.40	38	2.3	2022	3.11	15	46.58	4583	1182	**HW040+NMRV-P090**	90S4	**HW040+NMRV-P090**	56C/143/145TC
5.22	38	3.5	2046	3.11	15	46.58	7122	1493	**HW040+NMRV-P110**	90S4	**HW040+NMRV-P110**	56C/143/145TC
1.95	37	1.3	2033	4.75	10	47.50	2645	1075	**HW030+NMRV-P075**	-	**HW030+NMRV-P075**	56C/143/145TC
1.81	30	1.2	2408	3.87	15	58.00	2908	1148	**HW030+NMRV-P075**	-	**HW030+NMRV-P075**	56C/143/145TC
3.90	28	2.6	2663	3.11	20	62.11	6929	1643	**HW040+NMRV-P110**	90S4	**HW040+NMRV-P110**	56C/143/145TC
2.85	28	1.9	2670	4.20	15	63.00	5068	1307	**HW040+NMRV-P090**	90S4	**HW040+NMRV-P090**	56C/143/145TC
1.60	25	1.1	2921	4.75	15	71.25	3116	1230	**HW030+NMRV-P075**	-	**HW030+NMRV-P075**	56C/143/145TC
1.49	23	1.0	3083	3.87	20	77.33	3056	1264	**HW030+NMRV-P075**	-	**HW030+NMRV-P075**	56C/143/145TC
1.88	23	1.3	3125	3.11	25	77.63	3926	1401	**HW040+NMRV-P090**	90S4	**HW040+NMRV-P090**	56C/143/145TC

1.5 HP

Maximum Power HP	Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Ratio i	Max. Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
									Reducer	Motor	Reducer	NEMA C-face
3.39	23	2.3	3247	3.11	25	77.63	7332	1770	**HW040+NMRV-P110**	90S4	**HW040+NMRV-P110**	56C/143/145TC
1.47	21	1.0	3326	5.45	15	81.82	3263	1288	**HW030+NMRV-P075**	-	**HW030+NMRV-P075**	56C/143/145TC
2.13	21	1.4	3428	4.20	20	84.00	4861	1438	**HW040+NMRV-P090**	90S4	**HW040+NMRV-P090**	56C/143/145TC
3.54	21	2.4	3516	4.20	20	84.00	8299	1817	**HW040+NMRV-P110**	90S4	**HW040+NMRV-P110**	56C/143/145TC
2.07	19	1.4	3565	3.11	30	93.16	4923	1489	**HW040+NMRV-P090**	90S4	**HW040+NMRV-P090**	56C/143/145TC
3.36	19	2.2	3625	3.11	30	93.16	8114	1881	**HW040+NMRV-P110**	90S4	**HW040+NMRV-P110**	56C/143/145TC
3.14	17	2.1	4285	4.20	25	105.00	8973	1958	**HW040+NMRV-P110**	90S4	**HW040+NMRV-P110**	56C/143/145TC
1.81	16	1.2	4413	5.50	20	110.00	5317	1574	**HW040+NMRV-P090**	90S4	**HW040+NMRV-P090**	56C/143/145TC
1.75	14	1.2	4661	4.20	30	126.00	5444	1646	**HW040+NMRV-P090**	90S4	**HW040+NMRV-P090**	56C/143/145TC
3.12	14	2.1	4709	4.20	30	126.00	9809	2080	**HW040+NMRV-P110**	90S4	**HW040+NMRV-P110**	56C/143/145TC
1.48	13	1.0	5300	5.50	25	137.50	5233	1695	**HW040+NMRV-P090**	90S4	**HW040+NMRV-P090**	56C/143/145TC
2.26	13	1.5	5516	5.50	25	137.50	8300	2142	**HW040+NMRV-P110**	90S4	**HW040+NMRV-P110**	56C/143/145TC
1.98	11	1.3	5536	3.11	50	155.26	7324	2230	**HW040+NMRV-P110**	90S4	**HW040+NMRV-P110**	56C/143/145TC
1.50	11	1.0	5962	5.50	30	165.00	5955	1801	**HW040+NMRV-P090**	90S4	**HW040+NMRV-P090**	56C/143/145TC
2.21	10	1.5	6102	4.20	40	168.00	8988	2290	**HW040+NMRV-P110**	90S4	**HW040+NMRV-P110**	56C/143/145TC
1.54	9.4	1.0	6371	3.11	60	186.32	6541	2319	**HW040+NMRV-P110**	90S4	**HW040+NMRV-P110**	56C/143/145TC
1.91	8.0	1.3	7764	5.50	40	220.00	9864	2319	**HW040+NMRV-P110**	90S4	**HW040+NMRV-P110**	56C/143/145TC
1.48	6.4	1.0	9216	5.50	50	275.00	9108	2319	**HW040+NMRV-P110**	90S4	**HW040+NMRV-P110**	56C/143/145TC
5.07	29	3.4	2525	2.42	25	60.50	8537	2131	**PC090+NMRV130**	90S4	**PC090+NMRV130**	56C/143/145TC
5.01	24	3.3	2858	2.42	30	72.60	9547	2264	**PC090+NMRV130**	90S4	**PC090+NMRV130**	56C/143/145TC
3.95	18	2.6	3661	2.42	40	96.80	9639	2492	**PC090+NMRV130**	90S4	**PC090+NMRV130**	56C/143/145TC
3.07	14	2.0	4389	2.42	50	121.00	8996	2685	**PC090+NMRV130**	90S4	**PC090+NMRV130**	56C/143/145TC
2.47	12	1.6	5027	2.42	60	145.20	8262	2853	**PC090+NMRV130**	90S4	**PC090+NMRV130**	56C/143/145TC
1.86	9.0	1.2	6204	2.42	80	193.60	7711	3034	**PC090+NMRV130**	90S4	**PC090+NMRV130**	56C/143/145TC
1.50	7.2	1.0	6870	2.42	100	242.00	6875	3034	**PC080+NMRV130**	90S4	**PC080+NMRV130**	56C/143/145TC

2 HP

Maximum Power HP	Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Ratio i	Max. Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
									Reducer	Motor	Reducer	NEMA C-face
5.22	75	2.6	1406	3.11	7.5	23.29	3670	938	**HW040+NMRV-P090**	90L4	**HW040+NMRV-P090**	143/145TC
5.22	75	2.6	1426	3.11	7.5	23.29	3722	1185	**HW040+NMRV-P110**	90L4	**HW040+NMRV-P110**	143/145TC
4.39	56	2.2	1857	3.11	10	31.05	4073	1032	**HW040+NMRV-P090**	90L4	**HW040+NMRV-P090**	143/145TC
5.22	56	2.6	1857	3.11	10	31.05	4849	1304	**HW040+NMRV-P110**	90L4	**HW040+NMRV-P110**	143/145TC
3.54	42	1.8	2469	4.20	10	42.00	4371	1142	**HW040+NMRV-P090**	90L4	**HW040+NMRV-P090**	143/145TC
3.54	42	1.8	2469	4.20	10	42.00	4371	1442	**HW040+NMRV-P110**	90L4	**HW040+NMRV-P110**	143/145TC
3.40	38	1.7	2695	3.11	15	46.58	4583	1182	**HW040+NMRV-P090**	90L4	**HW040+NMRV-P090**	143/145TC
5.22	38	2.6	2728	3.11	15	46.58	7122	1493	**HW040+NMRV-P110**	90L4	**HW040+NMRV-P110**	143/145TC
3.90	28	2.0	3550	3.11	20	62.11	6929	1643	**HW040+NMRV-P110**	90L4	**HW040+NMRV-P110**	143/145TC
2.85	28	1.4	3560	4.20	15	63.00	5068	1307	**HW040+NMRV-P090**	90L4	**HW040+NMRV-P090**	143/145TC
3.39	23	1.7	4330	3.11	25	77.63	7332	1770	**HW040+NMRV-P110**	90L4	**HW040+NMRV-P110**	143/145TC
2.13	21	1.1	4570	4.20	20	84.00	4861	1438	**HW040+NMRV-P090**	90L4	**HW040+NMRV-P090**	143/145TC
3.54	21	1.8	4688	4.20	20	84.00	8299	1817	**HW040+NMRV-P110**	90L4	**HW040+NMRV-P110**	143/145TC
2.07	19	1.0	4754	3.11	30	93.16	4923	1489	**HW040+NMRV-P090**	90L4	**HW040+NMRV-P090**	143/145TC
3.36	19	1.7	4833	3.11	30	93.16	8114	1881	**HW040+NMRV-P110**	90L4	**HW040+NMRV-P110**	143/145TC
3.14	17	1.6	5713	4.20	25	105.00	8973	1958	**HW040+NMRV-P110**	90L4	**HW040+NMRV-P110**	143/145TC
3.12	14	1.6	6278	4.20	30	126.00	9809	2080	**HW040+NMRV-P110**	90L4	**HW040+NMRV-P110**	143/145TC
2.26	13	1.1	7355	5.50	25	137.50	8300	2142	**HW040+NMRV-P110**	90L4	**HW040+NMRV-P110**	143/145TC
1.98	11	1.0	7381	3.11	50	155.26	7324	2230	**HW040+NMRV-P110**	90L4	**HW040+NMRV-P110**	143/145TC
2.21	10	1.1	8136	4.20	40	168.00	8988	2290	**HW040+NMRV-P110**	90L4	**HW040+NMRV-P110**	143/145TC

2 HP

Maximum Power HP	Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Ratio i	Max. Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
									Reducer	Motor	Reducer	NEMA C-face
1.91	8.0	1.0	10352	5.50	40	220.00	9864	2319	**HW040+NMRV-P110**	90L4	**HW040+NMRV-P110**	143/145TC
4.96	29	2.5	3443	2.42	25	60.50	8537	2131	**PC090+NMRV130**	90L4	**PC090+NMRV130**	143/145TC
4.90	24	2.4	3897	2.42	30	72.60	9547	2264	**PC090+NMRV130**	90L4	**PC090+NMRV130**	143/145TC
3.86	18	1.9	4992	2.42	40	96.80	9639	2492	**PC090+NMRV130**	90L4	**PC090+NMRV130**	143/145TC
3.01	14	1.5	5985	2.42	50	121.00	8996	2685	**PC090+NMRV130**	90L4	**PC090+NMRV130**	143/145TC
2.41	12	1.2	6855	2.42	60	145.20	8262	2853	**PC090+NMRV130**	90L4	**PC090+NMRV130**	143/145TC
1.92	9.0	1.0	8123	2.42	80	193.60	7804	3034	**PC090+NMRV130**	90L4	**PC090+NMRV130**	143/145TC

3 HP

Maximum Power HP	Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Ratio i	Max. Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
									Reducer	Motor	Reducer	NEMA C-face
5.22	75	1.7	2109	3.11	7.5	23.29	3670	938	**HW040+NMRV-P090**	-	**HW040+NMRV-P090**	182/184TC
5.22	75	1.7	2138	3.11	7.5	23.29	3722	1185	**HW040+NMRV-P110**	-	**HW040+NMRV-P110**	182/184TC
4.39	56	1.5	2786	3.11	10	31.05	4073	1032	**HW040+NMRV-P090**	-	**HW040+NMRV-P090**	182/184TC
5.22	56	1.7	2786	3.11	10	31.05	4849	1304	**HW040+NMRV-P110**	-	**HW040+NMRV-P110**	182/184TC
3.54	42	1.2	3704	4.20	10	42.00	4371	1142	**HW040+NMRV-P090**	-	**HW040+NMRV-P090**	182/184TC
3.54	42	1.2	3704	4.20	10	42.00	4371	1442	**HW040+NMRV-P110**	-	**HW040+NMRV-P110**	182/184TC
3.40	38	1.1	4043	3.11	15	46.58	4583	1182	**HW040+NMRV-P090**	-	**HW040+NMRV-P090**	182/184TC
5.22	38	1.7	4092	3.11	15	46.58	7122	1493	**HW040+NMRV-P110**	-	**HW040+NMRV-P110**	182/184TC
3.90	28	1.3	5326	3.11	20	62.11	6929	1643	**HW040+NMRV-P110**	-	**HW040+NMRV-P110**	182/184TC
3.39	23	1.1	6494	3.11	25	77.63	7332	1770	**HW040+NMRV-P110**	-	**HW040+NMRV-P110**	182/184TC
3.54	21	1.2	7031	4.20	20	84.00	8299	1817	**HW040+NMRV-P110**	-	**HW040+NMRV-P110**	182/184TC
3.36	19	1.1	7249	3.11	30	93.16	8114	1881	**HW040+NMRV-P110**	-	**HW040+NMRV-P110**	182/184TC
3.14	17	1.0	8569	4.20	25	105.00	8973	1958	**HW040+NMRV-P110**	-	**HW040+NMRV-P110**	182/184TC
3.12	14	1.0	9418	4.20	30	126.00	9809	2080	**HW040+NMRV-P110**	-	**HW040+NMRV-P110**	182/184TC

5 HP

Maximum Power HP	Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Ratio i	Max. Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
									Reducer	Motor	Reducer	NEMA C-face
5.22	75	1.0	3515	3.11	7.5	23.29	3670	938	**HW040+NMRV-P090**	-	**HW040+NMRV-P090**	182/184TC
5.22	75	1.0	3564	3.11	7.5	23.29	3722	1185	**HW040+NMRV-P110**	-	**HW040+NMRV-P110**	182/184TC
5.22	56	1.0	4643	3.11	10	31.05	4849	1304	**HW040+NMRV-P110**	-	**HW040+NMRV-P110**	182/184TC
5.22	38	1.0	6820	3.11	15	46.58	7122	1493	**HW040+NMRV-P110**	-	**HW040+NMRV-P110**	182/184TC

Helical Worm Gear Reducer Ratings - Input Speed 1750 rpm

Maximum Torque **in-lbs**	Output Speed RPM	Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
				Output Shaft **lbs**	Input Shaft **lbs**	**Motorized Input**	**Shaft Input**
1537	79	22.08	2.29	**1165**	-	**HW30+NMRV-P063**	-
1682	60	29.00	1.94	**1275**	-	**HW30+NMRV-P063**	-
1691	45	38.67	1.54	**1402**	-	**HW30+NMRV-P063**	-
1671	40	44.17	1.37	**1467**	-	**HW30+NMRV-P063**	-
1812	37	47.50	1.35	**1503**	-	**HW30+NMRV-P063**	-
1829	30	58.00	1.17	**1605**	-	**HW30+NMRV-P063**	-
1960	25	71.25	1.03	**1721**	-	**HW30+NMRV-P063**	-
1816	23	77.33	0.91	**1767**	-	**HW30+NMRV-P063**	-
2052	21	81.82	0.95	**1801**	-	**HW30+NMRV-P063**	-
1778	20	88.33	0.85	**1848**	-	**HW30+NMRV-P063**	-
1997	18	95.00	0.83	**1893**	-	**HW30+NMRV-P063**	-
2098	16	109.09	0.76	**1983**	-	**HW30+NMRV-P063**	-
2319	15	118.13	0.76	**2036**	-	**HW30+NMRV-P063**	-
1912	13	136.36	0.58	**2136**	-	**HW30+NMRV-P063**	-
2085	12	142.50	0.66	**2167**	-	**HW30+NMRV-P063**	-
2308	11	157.50	0.60	**2241**	-	**HW30+NMRV-P063**	-
2183	11	163.64	0.61	**2270**	-	**HW30+NMRV-P063**	-
1490	9.9	176.67	0.43	**2319**	-	**HW30+NMRV-P063**	-
2097	8.9	196.88	0.45	**2319**	-	**HW30+NMRV-P063**	-
2115	8.0	218.18	0.47	**2319**	-	**HW30+NMRV-P063**	-
2467	7.4	236.25	0.49	**2319**	-	**HW30+NMRV-P063**	-
1958	6.4	272.73	0.38	**2319**	-	**HW30+NMRV-P063**	-
2298	5.6	315.00	0.37	**2319**	-	**HW30+NMRV-P063**	-
2089	4.4	393.75	0.29	**2319**	-	**HW30+NMRV-P063**	-
2391	4.0	433.33	0.29	**2319**	-	**HW30+NMRV-P063**	-
1895	3.7	472.50	0.24	**2319**	-	**HW30+NMRV-P063**	-
2166	3.2	541.67	0.22	**2319**	-	**HW30+NMRV-P063**	-
1957	2.7	650.00	0.18	**2319**	-	**HW30+NMRV-P063**	-
1145	2.2	787.50	0.11	**2319**	-	**HW30+NMRV-P063**	-
1457	2.0	866.67	0.12	**2319**	-	**HW30+NMRV-P063**	-
1145	1.6	1083.33	0.08	**2319**	-	**HW30+NMRV-P063**	-
2132	79	22.08	3.23	**1165**	-	**HW30+NMRV-P075**	-
2377	60	29.00	2.77	**1275**	-	**HW30+NMRV-P075**	-
2468	45	38.67	2.22	**1402**	-	**HW30+NMRV-P075**	-
2657	40	44.17	2.12	**1467**	-	**HW30+NMRV-P075**	-
2645	37	47.50	1.95	**1503**	-	**HW30+NMRV-P075**	-
2908	30	58.00	1.81	**1605**	-	**HW30+NMRV-P075**	-
3116	25	71.25	1.60	**1721**	-	**HW30+NMRV-P075**	-
3056	23	77.33	1.49	**1767**	-	**HW30+NMRV-P075**	-
3263	21	81.82	1.47	**1801**	-	**HW30+NMRV-P075**	-
2872	20	88.33	1.32	**1848**	-	**HW30+NMRV-P075**	-
3365	18	95.00	1.36	**1893**	-	**HW30+NMRV-P075**	-
3524	16	109.09	1.25	**1983**	-	**HW30+NMRV-P075**	-
3143	15	116.00	1.14	**2023**	-	**HW30+NMRV-P075**	-
3182	13	136.36	0.94	**2136**	-	**HW30+NMRV-P075**	-
3368	12	142.50	1.01	**2167**	-	**HW30+NMRV-P075**	-
3080	11	154.67	0.90	**2226**	-	**HW30+NMRV-P075**	-
3527	11	163.64	0.93	**2270**	-	**HW30+NMRV-P075**	-
2491	9.9	176.67	0.69	**2319**	-	**HW30+NMRV-P075**	-
3507	8.9	196.88	0.73	**2319**	-	**HW30+NMRV-P075**	-
3456	8.0	218.18	0.74	**2319**	-	**HW30+NMRV-P075**	-
3985	7.4	236.25	0.75	**2319**	-	**HW30+NMRV-P075**	-
3189	6.4	272.73	0.59	**2319**	-	**HW30+NMRV-P075**	-
3797	5.6	315.00	0.58	**2319**	-	**HW30+NMRV-P075**	-
3415	4.4	393.75	0.46	**2319**	-	**HW30+NMRV-P075**	-

Maximum Torque in-lbs	Output Speed RPM	Ratio i	Maximum Power HP	OHL		Gear Reducer	
				Output Shaft lbs	Input Shaft lbs	Motorized Input	Shaft Input
3238	3.7	472.50	0.38	2319	-	HW30+NMRV-P075	-
3061	3.2	541.67	0.30	2319	-	HW30+NMRV-P075	-
3351	2.7	650.00	0.29	2319	-	HW30+NMRV-P075	-
1973	2.2	787.50	0.18	2319	-	HW30+NMRV-P075	-
2526	2.0	866.67	0.19	2319	-	HW30+NMRV-P075	-
2009	1.6	1083.33	0.14	2319	-	HW30+NMRV-P075	-
3670	75	23.29	5.22	1185	67	HW40+NMRV-P090	IHW40+NMRV-P090
4073	56	31.05	4.38	1304	90	HW40+NMRV-P090	IHW40+NMRV-P090
4371	42	42.00	3.54	1442	90	HW40+NMRV-P090	IHW40+NMRV-P090
4583	38	46.58	3.40	1493	90	HW40+NMRV-P090	IHW40+NMRV-P090
5068	28	63.00	2.85	1651	90	HW40+NMRV-P090	IHW40+NMRV-P090
3926	23	77.63	1.88	1770	90	HW40+NMRV-P090	IHW40+NMRV-P090
4861	21	84.00	2.13	1817	90	HW40+NMRV-P090	IHW40+NMRV-P090
4923	19	93.16	2.07	1881	90	HW40+NMRV-P090	IHW40+NMRV-P090
5317	16	110.00	1.81	1988	90	HW40+NMRV-P090	IHW40+NMRV-P090
5444	14	126.00	1.75	2080	90	HW40+NMRV-P090	IHW40+NMRV-P090
5233	13	137.50	1.48	2142	90	HW40+NMRV-P090	IHW40+NMRV-P090
4137	11	155.26	1.17	2230	90	HW40+NMRV-P090	IHW40+NMRV-P090
5955	11	165.00	1.50	2276	90	HW40+NMRV-P090	IHW40+NMRV-P090
3699	9.4	186.32	0.93	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
5431	8.0	220.00	1.10	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
4148	6.9	252.00	0.81	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
5073	6.4	275.00	0.87	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
5191	5.7	304.55	0.82	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
4449	5.3	330.00	0.68	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
5416	4.6	383.33	0.69	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
5524	4.0	437.50	0.62	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
4724	3.8	460.00	0.54	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
4810	3.3	525.00	0.49	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
3770	2.9	613.33	0.36	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
3826	2.5	700.00	0.32	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
3109	2.3	766.67	0.26	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
3129	2.0	875.00	0.23	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
3722	75	23.29	5.22	1185	67	HW40+NMRV-P110	IHW40+NMRV-P110
4849	56	31.05	5.22	1304	67	HW40+NMRV-P110	IHW40+NMRV-P110
4371	42	42.00	3.54	1442	112	HW40+NMRV-P110	IHW40+NMRV-P110
7122	38	46.58	5.22	1493	67	HW40+NMRV-P110	IHW40+NMRV-P110
6929	28	62.11	3.90	1643	112	HW40+NMRV-P110	IHW40+NMRV-P110
7332	23	77.63	3.39	1770	112	HW40+NMRV-P110	IHW40+NMRV-P110
8299	21	84.00	3.54	1817	112	HW40+NMRV-P110	IHW40+NMRV-P110
8114	19	93.16	3.36	1881	112	HW40+NMRV-P110	IHW40+NMRV-P110
8973	17	105.00	3.14	1958	112	HW40+NMRV-P110	IHW40+NMRV-P110
9809	14	126.00	3.12	2080	112	HW40+NMRV-P110	IHW40+NMRV-P110
8300	13	137.50	2.26	2142	112	HW40+NMRV-P110	IHW40+NMRV-P110
7324	11	155.26	1.98	2230	112	HW40+NMRV-P110	IHW40+NMRV-P110
8988	10	168.00	2.21	2290	112	HW40+NMRV-P110	IHW40+NMRV-P110
6541	9.4	186.32	1.54	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
9864	8.0	220.00	1.90	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
7394	6.9	252.00	1.35	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
9108	6.4	275.00	1.48	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
9332	5.7	304.55	1.38	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
7966	5.3	330.00	1.14	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
8291	4.6	383.33	0.99	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
6635	4.0	440.00	0.79	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
8488	3.8	460.00	0.90	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
8006	3.3	525.00	0.75	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
7020	2.9	613.33	0.61	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
7141	2.5	700.00	0.55	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110

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Maximum Torque **in-lbs**	Output Speed RPM	Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
				Output Shaft **lbs**	Input Shaft **lbs**	**Motorized Input**	**Shaft Input**
5643	2.3	766.67	0.43	**2319**	**112**	**HW40+NMRV-P110**	**IHW40+NMRV-P110**
5679	2.0	875.00	0.39	**2319**	**112**	**HW40+NMRV-P110**	**IHW40+NMRV-P110**

Helical Worm Gear Reducer Ratings - Input Speed 1140 rpm

Maximum Torque **in-lbs**	Output Speed RPM	Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
				Output Shaft **lbs**	Input Shaft **lbs**	Motorized Input	Shaft Input
1773	52	22.08	1.76	**1343**	-	**HW30+NMRV-P063**	-
1940	39	29.00	1.49	**1471**	-	**HW30+NMRV-P063**	-
1951	29	38.67	1.18	**1618**	-	**HW30+NMRV-P063**	-
1927	26	44.17	1.06	**1693**	-	**HW30+NMRV-P063**	-
2090	24	47.50	1.03	**1734**	-	**HW30+NMRV-P063**	-
2109	20	58.00	0.90	**1852**	-	**HW30+NMRV-P063**	-
2260	16	71.25	0.79	**1985**	-	**HW30+NMRV-P063**	-
2152	15	77.33	0.73	**2038**	-	**HW30+NMRV-P063**	-
2367	14	81.82	0.73	**2078**	-	**HW30+NMRV-P063**	-
2050	13	88.33	0.67	**2132**	-	**HW30+NMRV-P063**	-
2270	12	95.00	0.63	**2184**	-	**HW30+NMRV-P063**	-
2336	10	109.09	0.57	**2287**	-	**HW30+NMRV-P063**	-
2329	9.7	118.13	0.50	**2319**	-	**HW30+NMRV-P063**	-
2122	8.4	136.36	0.43	**2319**	-	**HW30+NMRV-P063**	-
2404	8.0	142.50	0.51	**2319**	-	**HW30+NMRV-P063**	-
2478	7.2	157.50	0.42	**2319**	-	**HW30+NMRV-P063**	-
2518	7.0	163.64	0.47	**2319**	-	**HW30+NMRV-P063**	-
1715	6.5	176.67	0.35	**2319**	-	**HW30+NMRV-P063**	-
2224	5.8	196.88	0.32	**2319**	-	**HW30+NMRV-P063**	-
2320	5.2	218.18	0.35	**2319**	-	**HW30+NMRV-P063**	-
2845	4.8	236.25	0.37	**2319**	-	**HW30+NMRV-P063**	-
2106	4.2	272.73	0.28	**2319**	-	**HW30+NMRV-P063**	-
2416	3.6	315.00	0.26	**2319**	-	**HW30+NMRV-P063**	-
2187	2.9	393.75	0.20	**2319**	-	**HW30+NMRV-P063**	-
2474	2.6	433.33	0.20	**2319**	-	**HW30+NMRV-P063**	-
1973	2.4	472.50	0.17	**2319**	-	**HW30+NMRV-P063**	-
2236	2.1	541.67	0.15	**2319**	-	**HW30+NMRV-P063**	-
2012	1.8	650.00	0.13	**2319**	-	**HW30+NMRV-P063**	-
1187	1.4	787.50	0.08	**2319**	-	**HW30+NMRV-P063**	-
1488	1.3	866.67	0.08	**2319**	-	**HW30+NMRV-P063**	-
1187	1.1	1083.33	0.06	**2319**	-	**HW30+NMRV-P063**	-
2505	52	22.08	2.51	**1343**	-	**HW30+NMRV-P075**	-
2498	39	29.00	1.92	**1471**	-	**HW30+NMRV-P075**	-
2847	29	38.67	1.70	**1618**	-	**HW30+NMRV-P075**	-
3065	26	44.17	1.65	**1693**	-	**HW30+NMRV-P075**	-
3050	24	47.50	1.49	**1734**	-	**HW30+NMRV-P075**	-
3354	20	58.00	1.40	**1852**	-	**HW30+NMRV-P075**	-
3594	16	71.25	1.23	**1985**	-	**HW30+NMRV-P075**	-
3622	15	77.33	1.19	**2038**	-	**HW30+NMRV-P075**	-
3657	14	81.82	1.09	**2078**	-	**HW30+NMRV-P075**	-
3312	13	88.33	1.04	**2132**	-	**HW30+NMRV-P075**	-
3856	12	95.00	1.04	**2184**	-	**HW30+NMRV-P075**	-
3972	10	109.09	0.94	**2287**	-	**HW30+NMRV-P075**	-
3625	9.8	116.00	0.89	**2319**	-	**HW30+NMRV-P075**	-
3550	8.4	136.36	0.70	**2319**	-	**HW30+NMRV-P075**	-
3884	8.0	142.50	0.79	**2319**	-	**HW30+NMRV-P075**	-
3553	7.4	154.67	0.71	**2319**	-	**HW30+NMRV-P075**	-
4067	7.0	163.64	0.72	**2319**	-	**HW30+NMRV-P075**	-
2899	6.5	176.67	0.56	**2319**	-	**HW30+NMRV-P075**	-
3607	5.8	196.88	0.50	**2319**	-	**HW30+NMRV-P075**	-
3834	5.2	218.18	0.55	**2319**	-	**HW30+NMRV-P075**	-
4011	4.8	236.25	0.50	**2319**	-	**HW30+NMRV-P075**	-
3445	4.2	272.73	0.43	**2319**	-	**HW30+NMRV-P075**	-
4006	3.6	315.00	0.41	**2319**	-	**HW30+NMRV-P075**	-
3581	2.9	393.75	0.32	**2319**	-	**HW30+NMRV-P075**	-

Maximum Torque in-lbs	Output Speed RPM	Ratio i	Maximum Power HP	OHL		Gear Reducer	
				Output Shaft lbs	Input Shaft lbs	Motorized Input	Shaft Input
3381	2.4	472.50	0.27	2319	-	HW30+NMRV-P075	-
3227	2.1	541.67	0.21	2319	-	HW30+NMRV-P075	-
3451	1.8	650.00	0.20	2319	-	HW30+NMRV-P075	-
2021	1.4	787.50	0.12	2319	-	HW30+NMRV-P075	-
2587	1.3	866.67	0.13	2319	-	HW30+NMRV-P075	-
2049	1.1	1083.33	0.09	2319	-	HW30+NMRV-P075	-
3615	49	23.29	3.40	1367	67	HW40+NMRV-P090	IHW40+NMRV-P090
4698	37	31.05	3.37	1505	90	HW40+NMRV-P090	IHW40+NMRV-P090
4391	27	42.00	2.36	1664	90	HW40+NMRV-P090	IHW40+NMRV-P090
5286	24	46.58	2.64	1722	90	HW40+NMRV-P090	IHW40+NMRV-P090
5845	18	63.00	2.19	1905	90	HW40+NMRV-P090	IHW40+NMRV-P090
4990	15	77.63	1.61	2042	90	HW40+NMRV-P090	IHW40+NMRV-P090
5607	14	84.00	1.64	2096	90	HW40+NMRV-P090	IHW40+NMRV-P090
5678	12	93.16	1.63	2170	90	HW40+NMRV-P090	IHW40+NMRV-P090
6133	10	110.00	1.38	2294	90	HW40+NMRV-P090	IHW40+NMRV-P090
6279	9.0	126.00	1.36	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
5923	8.3	137.50	1.11	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
4873	7.3	155.26	0.95	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
6869	6.9	165.00	1.16	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
4299	6.1	186.32	0.75	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
6264	5.2	220.00	0.85	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
4592	4.5	252.00	0.61	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
5496	4.1	275.00	0.64	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
5574	3.7	304.55	0.59	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
4788	3.5	330.00	0.50	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
5726	3.0	383.33	0.49	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
5798	2.6	437.50	0.44	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
4972	2.5	460.00	0.38	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
5030	2.2	525.00	0.34	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
3979	1.9	613.33	0.25	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
4034	1.6	700.00	0.22	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
3200	1.5	766.67	0.18	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
3226	1.3	875.00	0.16	2319	90	HW40+NMRV-P090	IHW40+NMRV-P090
3639	49	23.29	3.40	1367	67	HW40+NMRV-P110	IHW40+NMRV-P110
4738	37	31.05	3.40	1505	67	HW40+NMRV-P110	IHW40+NMRV-P110
4391	27	42.00	2.36	1664	112	HW40+NMRV-P110	IHW40+NMRV-P110
6900	24	46.58	3.40	1722	67	HW40+NMRV-P110	IHW40+NMRV-P110
8973	18	62.11	3.40	1896	112	HW40+NMRV-P110	IHW40+NMRV-P110
9527	15	77.63	2.96	2042	112	HW40+NMRV-P110	IHW40+NMRV-P110
8277	14	84.00	2.36	2096	112	HW40+NMRV-P110	IHW40+NMRV-P110
10382	12	93.16	2.95	2170	112	HW40+NMRV-P110	IHW40+NMRV-P110
10080	11	105.00	2.36	2258	112	HW40+NMRV-P110	IHW40+NMRV-P110
10898	9.0	126.00	2.36	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
8472	8.3	137.50	1.53	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
8752	7.3	155.26	1.62	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
10555	6.8	168.00	1.76	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
7682	6.1	186.32	1.25	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
11140	5.2	220.00	1.45	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
8699	4.5	252.00	1.08	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
10353	4.1	275.00	1.13	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
10196	3.7	304.55	1.01	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
9092	3.5	330.00	0.88	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
8386	3.0	383.33	0.67	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
7607	2.6	440.00	0.61	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
9376	2.5	460.00	0.67	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
8114	2.2	525.00	0.51	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
7882	1.9	613.33	0.46	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110
7969	1.6	700.00	0.41	2319	112	HW40+NMRV-P110	IHW40+NMRV-P110

Maximum Torque **in-lbs**	Output Speed RPM	Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
				Output Shaft **lbs**	Input Shaft **lbs**	**Motorized Input**	**Shaft Input**
6606	1.5	766.67	0.34	**2319**	**112**	**HW40+NMRV-P110**	**IHW40+NMRV-P110**
6658	1.3	875.00	0.30	**2319**	**112**	**HW40+NMRV-P110**	**IHW40+NMRV-P110**

Double Worm Gearmotor Ratings - Motor Speed 1750 rpm

0.08 HP

Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
								Reducer	Motor	Reducer	NEMA C-face
18	1.6	180	10	10	100	283	338	**NMRV 025/030**	56A4	-	-
18	3.4	185	10	10	100	628	651	**NMRV 025/040**	56A4	-	-
12	1.1	233	7.5	20	150	248	387	**NMRV 025/030**	56A4	-	-
12	2.3	255	7.5	20	150	575	745	**NMRV 025/040**	56A4	-	-
8.8	1.7	332	10	20	200	575	784	**NMRV 025/040**	56A4	-	-
7.0	1.4	391	10	25	250	540	784	**NMRV 025/040**	56A4	-	-
5.8	1.5	426	10	30	300	646	784	**NMRV 025/040**	56A4	-	-
4.4	1.0	600	20	20	400	575	784	**NMRV 025/040**	56A4	-	-

0.12 HP

Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
								Reducer	Motor	Reducer	NEMA C-face
18	1.0	271	10	10	100	283	338	**NMRV 025/030**	56B4	-	-
18	2.3	278	10	10	100	628	651	**NMRV 025/040**	56B4	-	-
12	1.5	382	7.5	20	150	575	745	**NMRV 025/040**	56B4	-	-
8.8	1.2	498	10	20	200	575	784	**NMRV 025/040**	56B4	-	-
5.8	1.0	638	10	30	300	646	784	**NMRV 025/040**	56B4	-	-

0.16 HP

Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
								Reducer	Motor	Reducer	NEMA C-face
18	1.7	370	10	10	100	628	651	**NMRV 025/040**	56C4	-	-
12	1.1	510	7.5	20	150	575	745	**NMRV 025/040**	56C4	-	-
18	1.8	359	10	10	100	628	784	**NMRV030/040**	63A4	**NMRV030/040**	48C
18	3.2	377	10	10	100	1212	1076	**NMRV040/050**	63A4	**NMRV040/050**	56C
18	3.3	368	10	10	100	1212	1076	**NMRV030/050**	63A4	**NMRV030/050**	48C
18	3.3	373	10	10	100	1248	1407	**NMRV-P030/063**	63A4	**NMRV-P030/063**	48C
12	1.3	509	10	15	150	637	785	**NMRV030/040**	63A4	**NMRV030/040**	48C
12	2.3	522	10	15	150	1194	1088	**NMRV040/050**	63A4	**NMRV040/050**	56C
12	2.3	509	10	15	150	1194	1088	**NMRV030/050**	63A4	**NMRV030/050**	48C
12	3.3	521	10	15	150	1745	1410	**NMRV-P030/063**	63A4	**NMRV-P030/063**	48C
8.8	1.6	656	10	20	200	1062	1088	**NMRV040/050**	63A4	**NMRV040/050**	56C
8.8	1.7	641	10	20	200	1062	1088	**NMRV030/050**	63A4	**NMRV030/050**	48C
8.8	3.3	669	10	20	200	2239	1410	**NMRV-P040/063**	63A4	**NMRV-P040/063**	56C
8.8	3.3	654	10	20	200	2187	1410	**NMRV-P030/063**	63A4	**NMRV-P030/063**	48C
7.0	1.3	771	10	25	250	973	1088	**NMRV040/050**	63A4	**NMRV040/050**	56C
7.0	1.3	753	10	25	250	973	1088	**NMRV030/050**	63A4	**NMRV030/050**	48C
7.0	2.6	800	10	25	250	2044	1410	**NMRV-P040/063**	63A4	**NMRV-P040/063**	56C
7.0	2.6	781	10	25	250	2044	1410	**NMRV-P030/063**	63A4	**NMRV-P030/063**	48C
7.0	4.1	825	10	25	250	3359	1659	**NMRV-P040/075**	63A4	**NMRV-P040/075**	56C
5.8	1.5	852	10	30	300	1283	1088	**NMRV040/050**	63A4	**NMRV040/050**	56C
5.8	1.5	832	10	30	300	1283	1088	**NMRV030/050**	63A4	**NMRV030/050**	48C

0.16 HP

Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
								Reducer	Motor	Reducer	NEMA C-face
5.8	2.9	872	10	30	300	2531	1410	**NMRV-P040/063**	63A4	**NMRV-P040/063**	56C
5.8	2.8	794	7.5	40	300	2259	1410	**NMRV-P030/063**	63A4	**NMRV-P030/063**	48C
5.8	4.3	916	10	30	300	3970	1659	**NMRV-P040/075**	63A4	**NMRV-P040/075**	56C
4.4	1.1	1019	10	40	400	1097	1088	**NMRV040/050**	63A4	**NMRV040/050**	56C
4.4	1.1	995	10	40	400	1097	1088	**NMRV030/050**	63A4	**NMRV030/050**	48C
4.4	2.1	1058	10	40	400	2259	1410	**NMRV-P040/063**	63A4	**NMRV-P040/063**	56C
4.4	2.2	1033	10	40	400	2259	1410	**NMRV-P030/063**	63A4	**NMRV-P030/063**	48C
4.4	3.3	1123	10	40	400	3664	1659	**NMRV-P040/075**	63A4	**NMRV-P040/075**	56C
4.4	4.5	1210	10	40	400	5399	1839	**NMRV-P050/090**	-	**NMRV-P050/090**	56C
3.5	1.4	1487	20	25	500	2044	1410	**NMRV-P040/063**	63A4	**NMRV-P040/063**	56C
3.5	1.7	1204	10	50	500	2103	1410	**NMRV-P030/063**	63A4	**NMRV-P030/063**	48C
3.5	2.6	1274	10	50	500	3257	1659	**NMRV-P040/075**	63A4	**NMRV-P040/075**	56C
3.5	3.1	1629	20	25	500	5045	1839	**NMRV-P050/090**	-	**NMRV-P050/090**	56C
3.5	3.6	1372	10	50	500	4956	1839	**NMRV-P040/090**	63A4	**NMRV-P040/090**	56C
2.9	1.6	1621	20	30	600	2531	1410	**NMRV-P040/063**	63A4	**NMRV-P040/063**	56C
2.9	1.7	1518	20	30	600	2531	1410	**NMRV-P030/063**	63A4	**NMRV-P030/063**	48C
2.9	2.3	1703	20	30	600	3970	1659	**NMRV-P040/075**	63A4	**NMRV-P040/075**	56C
2.9	3.5	1785	20	30	600	6196	1839	**NMRV-P040/090**	63A4	**NMRV-P040/090**	56C
2.9	3.4	1807	20	30	600	6196	1839	**NMRV-P050/090**	-	**NMRV-P050/090**	56C
2.3	1.3	1949	25	30	750	2531	1410	**NMRV-P040/063**	63A4	**NMRV-P040/063**	56C
2.3	1.4	1769	25	30	750	2531	1410	**NMRV-P030/063**	63A4	**NMRV-P030/063**	48C
2.3	1.9	2048	25	30	750	3970	1659	**NMRV-P040/075**	63A4	**NMRV-P040/075**	56C
2.3	2.9	2146	25	30	750	6196	1839	**NMRV-P040/090**	63A4	**NMRV-P040/090**	56C
2.3	2.8	2174	25	30	750	6196	1839	**NMRV-P050/090**	-	**NMRV-P050/090**	56C
1.9	1.2	2031	30	30	900	2531	1410	**NMRV-P030/063**	63A4	**NMRV-P030/063**	48C
1.9	1.7	2295	30	30	900	3970	1659	**NMRV-P040/075**	63A4	**NMRV-P040/075**	56C
1.9	2.6	2406	30	30	900	6196	1839	**NMRV-P040/090**	63A4	**NMRV-P040/090**	56C
1.9	2.5	2474	30	30	900	6196	1839	**NMRV-P050/090**	-	**NMRV-P050/090**	56C
1.9	4.4	2557	30	30	900	11196	2320	**NMRV-P063/110**	-	**NMRV-P063/110**	56C
1.9	1.2	2185	30	30	900	2531	1410	**NMRV-P040/063**	63A4	**NMRV-P040/063**	56C
1.5	1.0	2462	40	30	1200	2531	1410	**NMRV-P030/063**	63A4	**NMRV-P030/063**	48C
1.5	1.4	2845	40	30	1200	3970	1659	**NMRV-P040/075**	63A4	**NMRV-P040/075**	56C
1.5	2.0	3072	40	30	1200	6196	1839	**NMRV-P050/090**	-	**NMRV-P050/090**	56C
1.5	2.1	2982	40	30	1200	6196	1839	**NMRV-P040/090**	63A4	**NMRV-P040/090**	56C
1.5	3.5	3240	40	30	1200	11196	2320	**NMRV-P063/110**	-	**NMRV-P063/110**	56C
1.5	3.7	3057	40	30	1200	11196	2320	**NMRV-P050/110**	-	**NMRV-P050/110**	56C
1.2	1.2	3395	50	30	1500	3970	1659	**NMRV-P040/075**	63A4	**NMRV-P040/075**	56C
1.2	1.7	3614	50	30	1500	6196	1839	**NMRV-P050/090**	-	**NMRV-P050/090**	56C
1.2	1.7	3558	50	30	1500	6196	1839	**NMRV-P040/090**	63A4	**NMRV-P040/090**	56C
1.2	2.9	3825	50	30	1500	11196	2320	**NMRV-P063/110**	-	**NMRV-P063/110**	56C
1.2	3.1	3596	50	30	1500	11196	2320	**NMRV-P050/110**	63A4	**NMRV-P050/110**	56C
1.2	4.0	3884	50	30	1500	15578	3035	**NMRV-P063/130**	-	**NMRV-P063/130**	56C
1.0	1.0	3815	60	30	1800	3970	1659	**NMRV-P040/075**	63A4	**NMRV-P040/075**	56C
1.0	1.5	4066	60	30	1800	6196	1839	**NMRV-P050/090**	-	**NMRV-P050/090**	56C
1.0	1.5	3998	60	30	1800	6196	1839	**NMRV-P040/090**	63A4	**NMRV-P040/090**	56C
1.0	2.6	4334	60	30	1800	11196	2320	**NMRV-P063/110**	-	**NMRV-P063/110**	56C
1.0	2.8	4045	60	30	1800	11196	2320	**NMRV-P050/110**	63A4	**NMRV-P050/110**	56C
1.0	3.5	4401	60	30	1800	15578	3035	**NMRV-P063/130**	-	**NMRV-P063/130**	56C
1.0	3.9	4735	60	30	1800	18587	4047	**NMRV-P063/150**	-	**NMRV-P063/150**	56C
0.7	1.1	5007	60	40	2400	5399	1839	**NMRV-P050/090**	63A4	**NMRV-P050/090**	56C
0.7	1.1	4923	60	40	2400	5399	1839	**NMRV-P040/090**	63A4	**NMRV-P040/090**	56C
0.7	1.9	5601	60	40	2400	10488	2320	**NMRV-P063/110**	-	**NMRV-P063/110**	56C
0.7	2.0	5228	60	40	2400	10488	2320	**NMRV-P050/110**	63A4	**NMRV-P050/110**	56C
0.7	2.6	5601	60	40	2400	14603	3035	**NMRV-P063/130**	-	**NMRV-P063/130**	56C

0.16 HP

Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
								Reducer	Motor	Reducer	NEMA C-face
0.7	4.2	5690	60	40	2400	23631	4047	**NMRV-P063/150**	-	**NMRV-P063/150**	56C
0.6	1.5	6705	60	50	3000	9736	2320	**NMRV-P063/110**	-	**NMRV-P063/110**	56C
0.6	1.6	6258	60	50	3000	9736	2320	**NMRV-P050/110**	63A4	**NMRV-P050/110**	56C
0.6	2.1	6668	60	50	3000	13719	3035	**NMRV-P063/130**	-	**NMRV-P063/130**	56C
0.6	3.1	6668	60	50	3000	20622	4047	**NMRV-P063/150**	-	**NMRV-P063/150**	56C
0.4	1.3	7510	80	50	4000	9736	2320	**NMRV-P050/110**	-	**NMRV-P050/110**	56C
0.4	1.2	8254	80	50	4000	9736	2320	**NMRV-P063/110**	-	**NMRV-P063/110**	56C
0.4	1.7	8208	80	50	4000	13719	3035	**NMRV-P063/130**	-	**NMRV-P063/130**	56C
0.4	2.5	8208	80	50	4000	20622	4047	**NMRV-P063/150**	-	**NMRV-P063/150**	56C
0.4	1.1	8692	100	50	5000	9736	2320	**NMRV-P050/110**	-	**NMRV-P050/110**	56C
0.4	1.0	9301	100	50	5000	9736	2320	**NMRV-P063/110**	-	**NMRV-P063/110**	56C
0.4	1.5	9249	100	50	5000	13719	3035	**NMRV-P063/130**	-	**NMRV-P063/130**	56C
0.4	2.2	9249	100	50	5000	20622	4047	**NMRV-P063/150**	-	**NMRV-P063/150**	56C

0.25 HP

Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
								Reducer	Motor	Reducer	NEMA C-face
18	1.1	561	10	10	100	628	784	**NMRV030/040**	63B4	**NMRV030/040**	48C
18	2.1	589	10	10	100	1212	1076	**NMRV040/050**	63B4	**NMRV040/050**	56C
18	2.1	575	10	10	100	1212	1076	**NMRV030/050**	63B4	**NMRV030/050**	48C
18	4.1	597	10	10	100	2434	1407	**NMRV-P040/063**	63B4	**NMRV-P040/063**	56C
18	2.1	583	10	10	100	1248	1407	**NMRV-P030/063**	63B4	**NMRV-P030/063**	48C
12	1.5	815	10	15	150	1194	1088	**NMRV040/050**	63B4	**NMRV040/050**	56C
12	1.5	796	10	15	150	1194	1088	**NMRV030/050**	63B4	**NMRV030/050**	48C
12	2.9	834	10	15	150	2404	1410	**NMRV-P040/063**	63B4	**NMRV-P040/063**	56C
12	2.1	815	10	15	150	1745	1410	**NMRV-P030/063**	63B4	**NMRV-P030/063**	48C
12	4.4	857	10	15	150	3766	1659	**NMRV-P040/075**	63B4	**NMRV-P040/075**	56C
8.8	1.0	1026	10	20	200	1062	1088	**NMRV040/050**	63B4	**NMRV040/050**	56C
8.8	1.1	1001	10	20	200	1062	1088	**NMRV030/050**	63B4	**NMRV030/050**	48C
8.8	2.1	1046	10	20	200	2239	1410	**NMRV-P040/063**	63B4	**NMRV-P040/063**	56C
8.8	2.1	1021	10	20	200	2187	1410	**NMRV-P030/063**	63B4	**NMRV-P030/063**	48C
8.8	3.5	1077	10	20	200	3716	1659	**NMRV-P040/075**	63B4	**NMRV-P040/075**	56C
7.0	1.6	1250	10	25	250	2044	1410	**NMRV-P040/063**	63B4	**NMRV-P040/063**	56C
7.0	1.7	1221	10	25	250	2044	1410	**NMRV-P030/063**	63B4	**NMRV-P030/063**	48C
7.0	2.6	1288	10	25	250	3359	1659	**NMRV-P040/075**	63B4	**NMRV-P040/075**	56C
7.0	3.6	1384	10	25	250	5045	1839	**NMRV-P050/090**	-	**NMRV-P050/090**	56C
7.0	3.7	1352	10	25	250	5045	1839	**NMRV-P040/090**	63B4	**NMRV-P040/090**	56C
5.8	1.9	1362	10	30	300	2531	1410	**NMRV-P040/063**	63B4	**NMRV-P040/063**	56C
5.8	1.8	1240	7.5	40	300	2259	1410	**NMRV-P030/063**	63B4	**NMRV-P030/063**	48C
5.8	2.8	1431	10	30	300	3970	1659	**NMRV-P040/075**	63B4	**NMRV-P040/075**	56C
5.8	4.1	1500	10	30	300	6196	1839	**NMRV-P040/090**	63B4	**NMRV-P040/090**	56C
5.8	4.0	1535	10	30	300	6196	1839	**NMRV-P050/090**	-	**NMRV-P050/090**	56C
4.4	1.4	1653	10	40	400	2259	1410	**NMRV-P040/063**	63B4	**NMRV-P040/063**	56C
4.4	1.4	1614	10	40	400	2259	1410	**NMRV-P030/063**	63B4	**NMRV-P030/063**	48C
4.4	2.1	1755	10	40	400	3664	1659	**NMRV-P040/075**	63B4	**NMRV-P040/075**	56C
4.4	2.9	1891	10	40	400	5399	1839	**NMRV-P050/090**	-	**NMRV-P050/090**	56C
4.4	2.9	1847	10	40	400	5399	1839	**NMRV-P040/090**	63B4	**NMRV-P040/090**	56C
3.5	1.1	1881	10	50	500	2103	1410	**NMRV-P030/063**	63B4	**NMRV-P030/063**	48C
3.5	1.6	1990	10	50	500	3257	1659	**NMRV-P040/075**	63B4	**NMRV-P040/075**	56C

0.25 HP

Output Speed **RPM**	Service Factor **sf**	Output Torque **in-lbs**	Ratio **Stage 1**	Ratio **Stage 2**	Total Ratio **i**	Maximum Torque **in-lbs**	OHL Output Shaft **lbs**	Gearmotor		Gear Reducer	
								Reducer	**Motor**	**Reducer**	**NEMA C-face**
3.5	2.0	2545	20	25	500	5045	1839	**NMRV-P050/090**	-	**NMRV-P050/090**	56C
3.5	2.3	2143	10	50	500	4956	1839	**NMRV-P040/090**	63B4	**NMRV-P040/090**	56C
3.5	3.8	2741	20	25	500	10382	2320	**NMRV-P063/110**	-	**NMRV-P063/110**	56C
3.5	3.9	2653	20	25	500	10382	2320	**NMRV-P050/110**	-	**NMRV-P050/110**	56C
2.9	1.1	2372	20	30	600	2531	1410	**NMRV-P030/063**	63B4	**NMRV-P030/063**	48C
2.9	1.5	2660	20	30	600	3970	1659	**NMRV-P040/075**	63B4	**NMRV-P040/075**	56C
2.9	2.2	2788	20	30	600	6196	1839	**NMRV-P040/090**	63B4	**NMRV-P040/090**	56C
2.9	2.2	2824	20	30	600	6196	1839	**NMRV-P050/090**	-	**NMRV-P050/090**	56C
2.9	4.0	2809	20	30	600	11196	2320	**NMRV-P050/110**	-	**NMRV-P050/110**	56C
2.9	3.9	2902	20	30	600	11196	2320	**NMRV-P063/110**	-	**NMRV-P063/110**	56C
2.3	1.2	3199	25	30	750	3970	1659	**NMRV-P040/075**	63B4	**NMRV-P040/075**	56C
2.3	1.8	3353	25	30	750	6196	1839	**NMRV-P040/090**	63B4	**NMRV-P040/090**	56C
2.3	1.8	3397	25	30	750	6196	1839	**NMRV-P050/090**	-	**NMRV-P050/090**	56C
2.3	3.2	3505	25	30	750	11196	2320	**NMRV-P063/110**	-	**NMRV-P063/110**	56C
2.3	3.3	3380	25	30	750	11196	2320	**NMRV-P050/110**	-	**NMRV-P050/110**	56C
2.3	4.4	3559	25	30	750	15578	3035	**NMRV-P063/130**	-	**NMRV-P063/130**	56C
1.9	1.1	3587	30	30	900	3970	1659	**NMRV-P040/075**	63B4	**NMRV-P040/075**	56C
1.9	1.6	3759	30	30	900	6196	1839	**NMRV-P040/090**	63B4	**NMRV-P040/090**	56C
1.9	1.6	3865	30	30	900	6196	1839	**NMRV-P050/090**	-	**NMRV-P050/090**	56C
1.9	2.8	3996	30	30	900	11196	2320	**NMRV-P063/110**	-	**NMRV-P063/110**	56C
1.9	2.9	3845	30	30	900	11196	2320	**NMRV-P050/110**	-	**NMRV-P050/110**	56C
1.9	3.8	4057	30	30	900	15578	3035	**NMRV-P063/130**	-	**NMRV-P063/130**	56C
1.9	4.3	4365	30	30	900	18587	4047	**NMRV-P063/150**	-	**NMRV-P063/150**	56C
1.5	1.3	4800	40	30	1200	6196	1839	**NMRV-P050/090**	-	**NMRV-P050/090**	56C
1.5	1.3	4659	40	30	1200	6196	1839	**NMRV-P040/090**	63B4	**NMRV-P040/090**	56C
1.5	2.2	5062	40	30	1200	11196	2320	**NMRV-P063/110**	-	**NMRV-P063/110**	56C
1.5	2.3	4776	40	30	1200	11196	2320	**NMRV-P050/110**	-	**NMRV-P050/110**	56C
1.5	3.0	5140	40	30	1200	15578	3035	**NMRV-P063/130**	-	**NMRV-P063/130**	56C
1.2	1.9	5976	50	30	1500	11196	2320	**NMRV-P063/110**	-	**NMRV-P063/110**	56C
1.2	2.0	5619	50	30	1500	11196	2320	**NMRV-P050/110**	63B4	**NMRV-P050/110**	56C
1.2	2.6	6068	50	30	1500	15578	3035	**NMRV-P063/130**	-	**NMRV-P063/130**	56C
1.2	1.1	5559	50	30	1500	6196	1839	**NMRV-P040/090**	63B4	**NMRV-P040/090**	56C
1.2	1.1	5647	50	30	1500	6196	1839	**NMRV-P050/090**	63B4	**NMRV-P050/090**	56C
1.0	1.7	6773	60	30	1800	11196	2320	**NMRV-P063/110**	-	**NMRV-P063/110**	56C
1.0	1.8	6321	60	30	1800	11196	2320	**NMRV-P050/110**	63B4	**NMRV-P050/110**	56C
1.0	2.3	6877	60	30	1800	15578	3035	**NMRV-P063/130**	-	**NMRV-P063/130**	56C
1.0	2.5	7398	60	30	1800	18587	4047	**NMRV-P063/150**	-	**NMRV-P063/150**	56C
0.7	1.2	8752	60	40	2400	10488	2320	**NMRV-P063/110**	-	**NMRV-P063/110**	56C
0.7	1.3	8169	60	40	2400	10488	2320	**NMRV-P050/110**	63B4	**NMRV-P050/110**	56C
0.7	1.7	8752	60	40	2400	14603	3035	**NMRV-P063/130**	-	**NMRV-P063/130**	56C
0.7	2.7	8891	60	40	2400	23631	4047	**NMRV-P063/150**	-	**NMRV-P063/150**	56C
0.6	1.3	10419	60	50	3000	13719	3035	**NMRV-P063/130**	-	**NMRV-P063/130**	56C
0.6	2.0	10419	60	50	3000	20622	4047	**NMRV-P063/150**	-	**NMRV-P063/150**	56C
0.4	1.6	12826	80	50	4000	20622	4047	**NMRV-P063/150**	-	**NMRV-P063/150**	56C
0.4	1.1	12826	80	50	4000	13719	3035	**NMRV-P063/130**	-	**NMRV-P063/130**	56C
0.4	1.4	14452	100	50	5000	20622	4047	**NMRV-P063/150**	-	**NMRV-P063/150**	56C

0.33 HP

Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
								Reducer	Motor	Reducer	NEMA C-face
18	1.6	778	10	10	100	1212	1076	**NMRV040/050**	63D4 / 71A4	**NMRV040/050**	56C
18	1.6	760	10	10	100	1212	1076	**NMRV030/050**	63D4	**NMRV030/050**	48C
18	3.1	788	10	10	100	2434	1407	**NMRV-P040/063**	63D4 / 71A4	**NMRV-P040/063**	56C
18	1.6	769	10	10	100	1248	1407	**NMRV-P030/063**	63D4	**NMRV-P030/063**	48C
18	3.7	818	10	10	100	2998	1838	**NMRV-P040/090**	63D4 / 71A4	**NMRV-P040/090**	56C
18	3.7	798	10	10	100	2924	1659	**NMRV-P040/075**	63D4 / 71A4	**NMRV-P040/075**	56C
12	1.1	1076	10	15	150	1194	1088	**NMRV040/050**	63D4 / 71A4	**NMRV040/050**	56C
12	1.1	1051	10	15	150	1194	1088	**NMRV030/050**	63D4	**NMRV030/050**	48C
12	2.2	1101	10	15	150	2404	1410	**NMRV-P040/063**	63D4 / 71A4	**NMRV-P040/063**	56C
12	1.6	1075	10	15	150	1745	1410	**NMRV-P030/063**	63D4	**NMRV-P030/063**	48C
12	3.3	1132	10	15	150	3766	1659	**NMRV-P040/075**	63D4 / 71A4	**NMRV-P040/075**	56C
12	3.7	1162	10	15	150	4256	1839	**NMRV-P040/090**	63D4 / 71A4	**NMRV-P040/090**	56C
8.8	1.6	1381	10	20	200	2239	1410	**NMRV-P040/063**	63D4 / 71A4	**NMRV-P040/063**	56C
8.8	1.6	1348	10	20	200	2187	1410	**NMRV-P030/063**	63D4	**NMRV-P030/063**	48C
8.8	2.6	1421	10	20	200	3716	1659	**NMRV-P040/075**	63D4 / 71A4	**NMRV-P040/075**	56C
8.8	3.5	1524	10	20	200	5399	1839	**NMRV-P050/090**	71A4	**NMRV-P050/090**	56C
8.8	3.6	1488	10	20	200	5399	1839	**NMRV-P040/090**	63D4 / 71A4	**NMRV-P040/090**	56C
7.0	1.2	1650	10	25	250	2044	1410	**NMRV-P040/063**	63D4 / 71A4	**NMRV-P040/063**	56C
7.0	1.3	1611	10	25	250	2044	1410	**NMRV-P030/063**	63D4	**NMRV-P030/063**	48C
7.0	2.0	1701	10	25	250	3359	1659	**NMRV-P040/075**	63D4 / 71A4	**NMRV-P040/075**	56C
7.0	2.8	1827	10	25	250	5045	1839	**NMRV-P050/090**	71A4	**NMRV-P050/090**	56C
7.0	2.8	1785	10	25	250	5045	1839	**NMRV-P040/090**	63D4 / 71A4	**NMRV-P040/090**	56C
5.8	1.4	1798	10	30	300	2531	1410	**NMRV-P040/063**	63D4 / 71A4	**NMRV-P040/063**	56C
5.8	1.4	1637	7.5	40	300	2259	1410	**NMRV-P030/063**	63D4	**NMRV-P030/063**	48C
5.8	2.1	1889	10	30	300	3970	1659	**NMRV-P040/075**	63D4 / 71A4	**NMRV-P040/075**	56C
5.8	3.1	1980	10	30	300	6196	1839	**NMRV-P040/090**	63D4 / 71A4	**NMRV-P040/090**	56C
5.8	3.1	2027	10	30	300	6196	1839	**NMRV-P050/090**	71A4	**NMRV-P050/090**	56C
4.4	1.0	2182	10	40	400	2259	1410	**NMRV-P040/063**	63D4 / 71A4	**NMRV-P040/063**	56C
4.4	1.1	2131	10	40	400	2259	1410	**NMRV-P030/063**	63D4	**NMRV-P030/063**	48C
4.4	1.6	2317	10	40	400	3664	1659	**NMRV-P040/075**	63D4 / 71A4	**NMRV-P040/075**	56C
4.4	2.2	2496	10	40	400	5399	1839	**NMRV-P050/090**	71A4	**NMRV-P050/090**	56C
4.4	2.2	2438	10	40	400	5399	1839	**NMRV-P040/090**	63D4 / 71A4	**NMRV-P040/090**	56C
4.4	4.0	2619	10	40	400	10488	2320	**NMRV-P063/110**	71A4	**NMRV-P063/110**	56C
4.4	4.0	2606	10	40	400	10488	2320	**NMRV-P050/110**	71A4	**NMRV-P050/110**	56C
3.5	1.2	2627	10	50	500	3257	1659	**NMRV-P040/075**	63D4 / 71A4	**NMRV-P040/075**	56C
3.5	1.5	3360	20	25	500	5045	1839	**NMRV-P050/090**	71A4	**NMRV-P050/090**	56C
3.5	1.8	2829	10	50	500	4956	1839	**NMRV-P040/090**	63D4 / 71A4	**NMRV-P040/090**	56C
3.5	2.9	3618	20	25	500	10382	2320	**NMRV-P063/110**	71A4	**NMRV-P063/110**	56C
3.5	3.0	3502	20	25	500	10382	2320	**NMRV-P050/110**	71A4	**NMRV-P050/110**	56C
3.5	4.4	3117	10	50	500	13719	3035	**NMRV-P063/130**	71A4	**NMRV-P063/130**	56C
2.9	1.1	3512	20	30	600	3970	1659	**NMRV-P040/075**	63D4 / 71A4	**NMRV-P040/075**	56C
2.9	1.7	3681	20	30	600	6196	1839	**NMRV-P040/090**	63D4 / 71A4	**NMRV-P040/090**	56C
2.9	1.7	3727	20	30	600	6196	1839	**NMRV-P050/090**	71A4	**NMRV-P050/090**	56C
2.9	3.0	3708	20	30	600	11196	2320	**NMRV-P050/110**	71A4	**NMRV-P050/110**	56C
2.9	2.9	3831	20	30	600	11196	2320	**NMRV-P063/110**	71A4	**NMRV-P063/110**	56C
2.9	4.0	3890	20	30	600	15578	3035	**NMRV-P063/130**	71A4	**NMRV-P063/130**	56C
2.3	1.4	4426	25	30	750	6196	1839	**NMRV-P040/090**	63D4 / 71A4	**NMRV-P040/090**	56C
2.3	1.4	4484	25	30	750	6196	1839	**NMRV-P050/090**	71A4	**NMRV-P050/090**	56C
2.3	2.4	4627	25	30	750	11196	2320	**NMRV-P063/110**	71A4	**NMRV-P063/110**	56C
2.3	2.5	4462	25	30	750	11196	2320	**NMRV-P050/110**	71A4	**NMRV-P050/110**	56C
2.3	3.3	4698	25	30	750	15578	3035	**NMRV-P063/130**	71A4	**NMRV-P063/130**	56C
1.9	1.2	4962	30	30	900	6196	1839	**NMRV-P040/090**	63D4 / 71A4	**NMRV-P040/090**	56C
1.9	1.2	5102	30	30	900	6196	1839	**NMRV-P050/090**	71A4	**NMRV-P050/090**	56C
1.9	2.1	5274	30	30	900	11196	2320	**NMRV-P063/110**	71A4	**NMRV-P063/110**	56C

0.33 HP

Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
								Reducer	Motor	Reducer	NEMA C-face
1.9	2.2	5076	30	30	900	11196	2320	**NMRV-P050/110**	71A4	**NMRV-P050/110**	56C
1.9	2.9	5356	30	30	900	15578	3035	**NMRV-P063/130**	71A4	**NMRV-P063/130**	56C
1.9	3.2	5761	30	30	900	18587	4047	**NMRV-P063/150**	71A4	**NMRV-P063/150**	56C
1.5	1.0	6150	40	30	1200	6196	1839	**NMRV-P040/090**	63D4 / 71A4	**NMRV-P040/090**	56C
1.5	1.7	6682	40	30	1200	11196	2320	**NMRV-P063/110**	71A4	**NMRV-P063/110**	56C
1.5	1.8	6304	40	30	1200	11196	2320	**NMRV-P050/110**	63D4 / 71A4	**NMRV-P050/110**	56C
1.5	2.3	6784	40	30	1200	15578	3035	**NMRV-P063/130**	71A4	**NMRV-P063/130**	56C
1.5	3.4	6924	30	40	1200	23631	4047	**NMRV-P063/150**	71A4	**NMRV-P063/150**	56C
1.2	1.4	7888	50	30	1500	11196	2320	**NMRV-P063/110**	71A4	**NMRV-P063/110**	56C
1.2	1.5	7417	50	30	1500	11196	2320	**NMRV-P050/110**	63D4 / 71A4	**NMRV-P050/110**	56C
1.2	1.9	8010	50	30	1500	15578	3035	**NMRV-P063/130**	71A4	**NMRV-P063/130**	56C
1.0	1.3	8344	60	30	1800	11196	2320	**NMRV-P050/110**	63D4 / 71A4	**NMRV-P050/110**	56C
1.0	1.3	8940	60	30	1800	11196	2320	**NMRV-P063/110**	71A4	**NMRV-P063/110**	56C
1.0	1.7	9077	60	30	1800	15578	3035	**NMRV-P063/130**	71A4	**NMRV-P063/130**	56C
1.0	1.9	9765	60	30	1800	18587	4047	**NMRV-P063/150**	71A4	**NMRV-P063/150**	56C
0.7	1.3	11553	60	40	2400	14603	3035	**NMRV-P063/130**	71A4	**NMRV-P063/130**	56C
0.7	2.0	11736	60	40	2400	23631	4047	**NMRV-P063/150**	71A4	**NMRV-P063/150**	56C
0.6	1.5	13753	60	50	3000	20622	4047	**NMRV-P063/150**	71A4	**NMRV-P063/150**	56C
0.4	1.2	16930	80	50	4000	20622	4047	**NMRV-P063/150**	71A4	**NMRV-P063/150**	56C
0.4	1.1	19077	100	50	5000	20622	4047	**NMRV-P063/150**	71A4	**NMRV-P063/150**	56C

0.5 HP

Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
								Reducer	Motor	Reducer	NEMA C-face
18	1.0	1179	10	10	100	1212	1076	**NMRV040/050**	71B4	**NMRV040/050**	56C
18	2.0	1194	10	10	100	2434	1407	**NMRV-P040/063**	71B4	**NMRV-P040/063**	56C
18	2.4	1209	10	10	100	2924	1659	**NMRV-P040/075**	71B4	**NMRV-P040/075**	56C
18	2.4	1240	10	10	100	2998	1838	**NMRV-P040/090**	71B4	**NMRV-P040/090**	56C
18	4.1	1269	10	10	100	5222	1838	**NMRV-P050/090**	71B4	**NMRV-P050/090**	56C
18	4.2	1269	10	10	100	5380	2320	**NMRV-P050/110**	71B4	**NMRV-P050/110**	56C
12	1.4	1668	10	15	150	2404	1410	**NMRV-P040/063**	71B4	**NMRV-P040/063**	56C
12	2.2	1714	10	15	150	3766	1659	**NMRV-P040/075**	71B4	**NMRV-P040/075**	56C
12	3.2	1802	10	15	150	5842	1839	**NMRV-P050/090**	71B4	**NMRV-P050/090**	56C
12	2.4	1760	10	15	150	4256	1839	**NMRV-P040/090**	71B4	**NMRV-P040/090**	56C
12	4.2	1825	10	15	150	7738	2320	**NMRV-P050/110**	71B4	**NMRV-P050/110**	56C
8.8	1.1	2092	10	20	200	2239	1410	**NMRV-P040/063**	71B4	**NMRV-P040/063**	56C
8.8	1.7	2153	10	20	200	3716	1659	**NMRV-P040/075**	71B4	**NMRV-P040/075**	56C
8.8	2.3	2308	10	20	200	5399	1839	**NMRV-P050/090**	71B4	**NMRV-P050/090**	56C
8.8	2.4	2255	10	20	200	5399	1839	**NMRV-P040/090**	71B4	**NMRV-P040/090**	56C
8.8	4.2	2383	10	20	200	10081	2320	**NMRV-P063/110**	71B4	**NMRV-P063/110**	56C
8.8	4.2	2371	10	20	200	10052	2320	**NMRV-P050/110**	71B4	**NMRV-P050/110**	56C
7.0	1.3	2577	10	25	250	3359	1659	**NMRV-P040/075**	71B4	**NMRV-P040/075**	56C
7.0	1.8	2768	10	25	250	5045	1839	**NMRV-P050/090**	71B4	**NMRV-P050/090**	56C
7.0	1.9	2704	10	25	250	5045	1839	**NMRV-P040/090**	71B4	**NMRV-P040/090**	56C
7.0	3.6	2900	10	25	250	10382	2320	**NMRV-P063/110**	71B4	**NMRV-P063/110**	56C
7.0	3.6	2885	10	25	250	10382	2320	**NMRV-P050/110**	71B4	**NMRV-P050/110**	56C
5.8	1.4	2862	10	30	300	3970	1659	**NMRV-P040/075**	71B4	**NMRV-P040/075**	56C
5.8	2.1	3000	10	30	300	6196	1839	**NMRV-P040/090**	71B4	**NMRV-P040/090**	56C
5.8	2.0	3071	10	30	300	6196	1839	**NMRV-P050/090**	71B4	**NMRV-P050/090**	56C

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0.5 HP

Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
								Reducer	Motor	Reducer	NEMA C-face
5.8	3.6	3070	10	30	300	11196	2320	**NMRV-P063/110**	71B4	**NMRV-P063/110**	56C
5.8	3.7	3055	10	30	300	11196	2320	**NMRV-P050/110**	71B4	**NMRV-P050/110**	56C
4.4	1.0	3510	10	40	400	3664	1659	**NMRV-P040/075**	71B4	**NMRV-P040/075**	56C
4.4	1.4	3781	10	40	400	5399	1839	**NMRV-P050/090**	71B4	**NMRV-P050/090**	56C
4.4	1.5	3694	10	40	400	5399	1839	**NMRV-P040/090**	71B4	**NMRV-P040/090**	56C
4.4	2.6	3968	10	40	400	10488	2320	**NMRV-P063/110**	71B4	**NMRV-P063/110**	56C
4.4	2.7	3948	10	40	400	10488	2320	**NMRV-P050/110**	71B4	**NMRV-P050/110**	56C
4.4	3.7	3968	10	40	400	14603	3035	**NMRV-P063/130**	71B4	**NMRV-P063/130**	56C
3.5	1.2	4286	10	50	500	4956	1839	**NMRV-P040/090**	71B4	**NMRV-P040/090**	56C
3.5	1.9	5482	20	25	500	10382	2320	**NMRV-P063/110**	71B4	**NMRV-P063/110**	56C
3.5	2.0	5307	20	25	500	10382	2320	**NMRV-P050/110**	71B4	**NMRV-P050/110**	56C
3.5	2.9	4723	10	50	500	13719	3035	**NMRV-P063/130**	71B4	**NMRV-P063/130**	56C
3.5	4.4	4723	10	50	500	20622	4047	**NMRV-P063/150**	71B4	**NMRV-P063/150**	56C
2.9	1.1	5577	20	30	600	6196	1839	**NMRV-P040/090**	71B4	**NMRV-P040/090**	56C
2.9	1.1	5647	20	30	600	6196	1839	**NMRV-P050/090**	71B4	**NMRV-P050/090**	56C
2.9	2.0	5619	20	30	600	11196	2320	**NMRV-P050/110**	71B4	**NMRV-P050/110**	56C
2.9	1.9	5804	20	30	600	11196	2320	**NMRV-P063/110**	71B4	**NMRV-P063/110**	56C
2.9	2.6	5894	20	30	600	15578	3035	**NMRV-P063/130**	71B4	**NMRV-P063/130**	56C
2.9	4.0	5853	15	40	600	23631	4047	**NMRV-P063/150**	71B4	**NMRV-P063/150**	56C
2.3	1.6	7011	25	30	750	11196	2320	**NMRV-P063/110**	71B4	**NMRV-P063/110**	56C
2.3	1.7	6760	25	30	750	11196	2320	**NMRV-P050/110**	71B4	**NMRV-P050/110**	56C
2.3	2.2	7119	25	30	750	15578	3035	**NMRV-P063/130**	71B4	**NMRV-P063/130**	56C
2.3	3.0	6859	15	50	750	20622	4047	**NMRV-P063/150**	71B4	**NMRV-P063/150**	56C
1.9	1.4	7992	30	30	900	11196	2320	**NMRV-P063/110**	71B4	**NMRV-P063/110**	56C
1.9	1.5	7691	30	30	900	11196	2320	**NMRV-P050/110**	71B4	**NMRV-P050/110**	56C
1.9	1.9	8115	30	30	900	15578	3035	**NMRV-P063/130**	71B4	**NMRV-P063/130**	56C
1.9	2.1	8729	30	30	900	18587	4047	**NMRV-P063/150**	71B4	**NMRV-P063/150**	56C
1.5	1.1	10124	40	30	1200	11196	2320	**NMRV-P063/110**	71B4	**NMRV-P063/110**	56C
1.5	1.2	9552	40	30	1200	11196	2320	**NMRV-P050/110**	71B4	**NMRV-P050/110**	56C
1.5	1.5	10279	40	30	1200	15578	3035	**NMRV-P063/130**	71B4	**NMRV-P063/130**	56C
1.5	2.3	10491	30	40	1200	23631	4047	**NMRV-P063/150**	71B4	**NMRV-P063/150**	56C
1.2	1.3	12136	50	30	1500	15578	3035	**NMRV-P063/130**	71B4	**NMRV-P063/130**	56C
1.0	1.1	13753	60	30	1800	15578	3035	**NMRV-P063/130**	71B4	**NMRV-P063/130**	56C
1.0	1.3	14795	60	30	1800	18587	4047	**NMRV-P063/150**	71B4	**NMRV-P063/150**	56C
0.7	1.3	17782	60	40	2400	23631	4047	**NMRV-P063/150**	71B4	**NMRV-P063/150**	56C

0.75 HP

Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
								Reducer	Motor	Reducer	NEMA C-face
18	1.4	1791	10	10	100	2434	1407	**NMRV-P040/063**	71C4	**NMRV-P040/063**	56C
18	1.6	1814	10	10	100	2924	1659	**NMRV-P040/075**	71C4	**NMRV-P040/075**	56C
18	2.7	1904	10	10	100	5222	1838	**NMRV-P050/090**	71C4 / 80A4	**NMRV-P050/090**	56C
18	1.6	1860	10	10	100	2998	1838	**NMRV-P040/090**	71C4	**NMRV-P040/090**	56C
18	2.8	1904	10	10	100	5380	2320	**NMRV-P050/110**	71C4 / 80A4	**NMRV-P050/110**	56C
12	1.5	2572	10	15	150	3766	1659	**NMRV-P040/075**	71C4	**NMRV-P040/075**	56C
12	2.2	2703	10	15	150	5842	1839	**NMRV-P050/090**	71C4 / 80A4	**NMRV-P050/090**	56C
12	1.6	2641	10	15	150	4256	1839	**NMRV-P040/090**	71C4	**NMRV-P040/090**	56C
12	3.8	2751	10	15	150	10585	2320	**NMRV-P063/110**	71C4 / 80A4	**NMRV-P063/110**	56C
12	2.8	2738	10	15	150	7738	2320	**NMRV-P050/110**	71C4 / 80A4	**NMRV-P050/110**	56C
8.8	1.2	3230	10	20	200	3716	1659	**NMRV-P040/075**	71C4	**NMRV-P040/075**	56C

0.75 HP

Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
								Reducer	Motor	Reducer	NEMA C-face
8.8	1.6	3463	10	20	200	5399	1839	**NMRV-P050/090**	71C4 / 80A4	**NMRV-P050/090**	56C
8.8	1.6	3383	10	20	200	5399	1839	**NMRV-P040/090**	71C4	**NMRV-P040/090**	56C
8.8	2.8	3574	10	20	200	10081	2320	**NMRV-P063/110**	71C4 / 80A4	**NMRV-P063/110**	56C
8.8	2.8	3557	10	20	200	10052	2320	**NMRV-P050/110**	71C4 / 80A4	**NMRV-P050/110**	56C
8.8	4.0	3543	10	20	200	14161	3035	**NMRV-P063/130**	71C4 / 80A4	**NMRV-P063/130**	56C
7.0	1.2	4152	10	25	250	5045	1839	**NMRV-P050/090**	71C4 / 80A4	**NMRV-P050/090**	56C
7.0	1.2	4056	10	25	250	5045	1839	**NMRV-P040/090**	71C4	**NMRV-P040/090**	56C
7.0	2.4	4349	10	25	250	10382	2320	**NMRV-P063/110**	71C4 / 80A4	**NMRV-P063/110**	56C
7.0	2.4	4328	10	25	250	10382	2320	**NMRV-P050/110**	71C4 / 80A4	**NMRV-P050/110**	56C
7.0	3.1	4310	10	25	250	13542	3035	**NMRV-P063/130**	71C4 / 80A4	**NMRV-P063/130**	56C
7.0	4.2	4310	10	25	250	18144	4047	**NMRV-P063/150**	71C4 / 80A4	**NMRV-P063/150**	56C
5.8	1.4	4500	10	30	300	6196	1839	**NMRV-P040/090**	71C4	**NMRV-P040/090**	56C
5.8	1.3	4606	10	30	300	6196	1839	**NMRV-P050/090**	71C4 / 80A4	**NMRV-P050/090**	56C
5.8	2.4	4605	10	30	300	11196	2320	**NMRV-P063/110**	71C4 / 80A4	**NMRV-P063/110**	56C
5.8	2.4	4583	10	30	300	11196	2320	**NMRV-P050/110**	71C4 / 80A4	**NMRV-P050/110**	56C
5.8	3.3	4676	10	30	300	15578	3035	**NMRV-P063/130**	71C4 / 80A4	**NMRV-P063/130**	56C
5.8	3.6	5145	15	20	300	18543	4047	**NMRV-P063/150**	71C4 / 80A4	**NMRV-P063/150**	56C
4.4	1.8	5951	10	40	400	10488	2320	**NMRV-P063/110**	71C4 / 80A4	**NMRV-P063/110**	56C
4.4	1.8	5922	10	40	400	10488	2320	**NMRV-P050/110**	71C4 / 80A4	**NMRV-P050/110**	56C
4.4	2.5	5951	10	40	400	14603	3035	**NMRV-P063/130**	71C4 / 80A4	**NMRV-P063/130**	56C
4.4	3.9	6046	10	40	400	23631	4047	**NMRV-P063/150**	71C4 / 80A4	**NMRV-P063/150**	56C
3.5	1.3	8223	20	25	500	10382	2320	**NMRV-P063/110**	71C4 / 80A4	**NMRV-P063/110**	56C
3.5	1.3	7960	20	25	500	10382	2320	**NMRV-P050/110**	71C4 / 80A4	**NMRV-P050/110**	56C
3.5	1.9	7085	10	50	500	13719	3035	**NMRV-P063/130**	71C4 / 80A4	**NMRV-P063/130**	56C
3.5	2.9	7085	10	50	500	20622	4047	**NMRV-P063/150**	71C4 / 80A4	**NMRV-P063/150**	56C
2.9	1.3	8428	20	30	600	11196	2320	**NMRV-P050/110**	71C4 / 80A4	**NMRV-P050/110**	56C
2.9	1.3	8706	20	30	600	11196	2320	**NMRV-P063/110**	71C4 / 80A4	**NMRV-P063/110**	56C
2.9	1.8	8840	20	30	600	15578	3035	**NMRV-P063/130**	71C4 / 80A4	**NMRV-P063/130**	56C
2.9	2.7	8780	15	40	600	23631	4047	**NMRV-P063/150**	71C4 / 80A4	**NMRV-P063/150**	56C
2.3	1.1	10516	25	30	750	11196	2320	**NMRV-P063/110**	71C4 / 80A4	**NMRV-P063/110**	56C
2.3	1.1	10140	25	30	750	11196	2320	**NMRV-P050/110**	71C4 / 80A4	**NMRV-P050/110**	56C
2.3	1.5	10678	25	30	750	15578	3035	**NMRV-P063/130**	71C4 / 80A4	**NMRV-P063/130**	56C
2.3	2.0	10289	15	50	750	20622	4047	**NMRV-P063/150**	71C4 / 80A4	**NMRV-P063/150**	56C
1.9	1.3	12172	30	30	900	15578	3035	**NMRV-P063/130**	71C4 / 80A4	**NMRV-P063/130**	56C
1.9	1.4	13094	30	30	900	18587	4047	**NMRV-P063/150**	71C4 / 80A4	**NMRV-P063/150**	56C
1.5	1.0	15419	40	30	1200	15578	3035	**NMRV-P063/130**	71C4 / 80A4	**NMRV-P063/130**	56C
1.5	1.5	15737	30	40	1200	23631	4047	**NMRV-P063/150**	71C4 / 80A4	**NMRV-P063/150**	56C

1 HP

Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
								Reducer	Motor	Reducer	NEMA C-face
18	1.0	2388	10	10	100	2434	1407	**NMRV-P040/063**	-	**NMRV-P040/063**	56C
18	1.2	2419	10	10	100	2924	1659	**NMRV-P040/075**	-	**NMRV-P040/075**	56C
18	2.1	2538	10	10	100	5222	1838	**NMRV-P050/090**	80B4	**NMRV-P050/090**	56C
18	1.2	2480	10	10	100	2998	1838	**NMRV-P040/090**	-	**NMRV-P040/090**	56C
18	3.5	2551	10	10	100	8979	2320	**NMRV-P063/110**	80B4	**NMRV-P063/110**	56C / 143/145TC
18	2.1	2538	10	10	100	5380	2320	**NMRV-P050/110**	80B4	**NMRV-P050/110**	56C
18	3.5	2551	10	10	100	8979	3035	**NMRV-P063/130**	80B4	**NMRV-P063/130**	56C / 143/145TC
12	1.1	3429	10	15	150	3766	1659	**NMRV-P040/075**	-	**NMRV-P040/075**	56C
12	1.6	3604	10	15	150	5842	1839	**NMRV-P050/090**	80B4	**NMRV-P050/090**	56C

1 HP

Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
								Reducer	Motor	Reducer	NEMA C-face
12	1.2	3521	10	15	150	4256	1839	**NMRV-P040/090**	-	**NMRV-P040/090**	56C
12	2.9	3669	10	15	150	10585	2320	**NMRV-P063/110**	80B4	**NMRV-P063/110**	56C / 143/145TC
12	2.1	3651	10	15	150	7738	2320	**NMRV-P050/110**	80B4	**NMRV-P050/110**	56C
12	3.5	3590	10	15	150	12637	3035	**NMRV-P063/130**	80B4	**NMRV-P063/130**	56C / 143/145TC
12	4.5	3624	7.5	20	150	16145	4047	**NMRV-P063/150**	80B4	**NMRV-P063/150**	56C / 143/145TC
8.8	1.2	4617	10	20	200	5399	1839	**NMRV-P050/090**	80B4	**NMRV-P050/090**	56C
8.8	1.2	4511	10	20	200	5399	1839	**NMRV-P040/090**	-	**NMRV-P040/090**	56C
8.8	2.1	4765	10	20	200	10081	2320	**NMRV-P063/110**	80B4	**NMRV-P063/110**	56C / 143/145TC
8.8	2.1	4742	10	20	200	10052	2320	**NMRV-P050/110**	80B4	**NMRV-P050/110**	56C
8.8	3.0	4723	10	20	200	14161	3035	**NMRV-P063/130**	80B4	**NMRV-P063/130**	56C / 143/145TC
8.8	3.5	4723	10	20	200	16627	4047	**NMRV-P063/150**	80B4	**NMRV-P063/150**	56C / 143/145TC
7.0	1.8	5799	10	25	250	10382	2320	**NMRV-P063/110**	80B4	**NMRV-P063/110**	56C / 143/145TC
7.0	1.8	5771	10	25	250	10382	2320	**NMRV-P050/110**	80B4	**NMRV-P050/110**	56C
7.0	2.4	5747	10	25	250	13542	3035	**NMRV-P063/130**	80B4	**NMRV-P063/130**	56C / 143/145TC
7.0	3.2	5747	10	25	250	18144	4047	**NMRV-P063/150**	80B4	**NMRV-P063/150**	56C / 143/145TC
5.8	1.0	6142	10	30	300	6196	1839	**NMRV-P050/090**	80B4	**NMRV-P050/090**	56C
5.8	1.0	6000	10	30	300	6196	1839	**NMRV-P040/090**	-	**NMRV-P040/090**	56C
5.8	1.8	6140	10	30	300	11196	2320	**NMRV-P063/110**	80B4	**NMRV-P063/110**	56C / 143/145TC
5.8	1.8	6110	10	30	300	11196	2320	**NMRV-P050/110**	80B4	**NMRV-P050/110**	56C
5.8	2.5	6235	10	30	300	15578	3035	**NMRV-P063/130**	80B4	**NMRV-P063/130**	56C / 143/145TC
5.8	2.7	6859	15	20	300	18543	4047	**NMRV-P063/150**	80B4	**NMRV-P063/150**	56C / 143/145TC
4.4	1.3	7935	10	40	400	10488	2320	**NMRV-P063/110**	80B4	**NMRV-P063/110**	56C / 143/145TC
4.4	1.3	7896	10	40	400	10488	2320	**NMRV-P050/110**	80B4	**NMRV-P050/110**	56C
4.4	1.8	7935	10	40	400	14603	3035	**NMRV-P063/130**	80B4	**NMRV-P063/130**	56C / 143/145TC
4.4	2.9	8061	10	40	400	23631	4047	**NMRV-P063/150**	80B4	**NMRV-P063/150**	56C / 143/145TC
3.5	1.5	9447	10	50	500	13719	3035	**NMRV-P063/130**	80B4	**NMRV-P063/130**	56C / 143/145TC
3.5	2.2	9447	10	50	500	20622	4047	**NMRV-P063/150**	80B4	**NMRV-P063/150**	56C / 143/145TC
2.9	1.3	11787	20	30	600	15578	3035	**NMRV-P063/130**	80B4	**NMRV-P063/130**	56C / 143/145TC
2.9	2.0	11707	15	40	600	23631	4047	**NMRV-P063/150**	80B4	**NMRV-P063/150**	56C / 143/145TC
2.3	1.1	14237	25	30	750	15578	3035	**NMRV-P063/130**	80B4	**NMRV-P063/130**	56C / 143/145TC
2.3	1.5	13719	15	50	750	20622	4047	**NMRV-P063/150**	80B4	**NMRV-P063/150**	56C / 143/145TC
1.9	1.1	17459	30	30	900	18587	4047	**NMRV-P063/150**	80B4	**NMRV-P063/150**	56C / 143/145TC
1.5	1.1	20983	30	40	1200	23631	4047	**NMRV-P063/150**	80B4	**NMRV-P063/150**	56C / 143/145TC

1.5 HP

Output Speed RPM	Service Factor sf	Output Torque in-lbs	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Torque in-lbs	OHL Output Shaft lbs	Gearmotor		Gear Reducer	
								Reducer	Motor	Reducer	NEMA C-face
18	1.4	3807	10	10	100	5222	1838	**NMRV-P050/090**	80D4	**NMRV-P050/090**	56C
18	2.3	3826	10	10	100	8979	2320	**NMRV-P063/110**	80D4 / 90S4	**NMRV-P063/110**	56C / 143/145TC
18	1.4	3807	10	10	100	5380	2320	**NMRV-P050/110**	80D4	**NMRV-P050/110**	56C
18	2.3	3826	10	10	100	8979	3035	**NMRV-P063/130**	80D4 / 90S4	**NMRV-P063/130**	56C / 143/145TC
12	1.1	5405	10	15	150	5842	1839	**NMRV-P050/090**	80D4	**NMRV-P050/090**	56C
12	1.9	5503	10	15	150	10585	2320	**NMRV-P063/110**	80D4 / 90S4	**NMRV-P063/110**	56C / 143/145TC
12	1.4	5476	10	15	150	7738	2320	**NMRV-P050/110**	80D4	**NMRV-P050/110**	56C
12	2.3	5385	10	15	150	12637	3035	**NMRV-P063/130**	80D4 / 90S4	**NMRV-P063/130**	56C / 143/145TC
12	3.0	5435	7.5	20	150	16145	4047	**NMRV-P063/150**	80D4 / 90S4	**NMRV-P063/150**	56C / 143/145TC
8.8	1.4	7148	10	20	200	10081	2320	**NMRV-P063/110**	80D4 / 90S4	**NMRV-P063/110**	56C / 143/145TC
8.8	1.4	7113	10	20	200	10052	2320	**NMRV-P050/110**	80D4	**NMRV-P050/110**	56C
8.8	2.0	7085	10	20	200	14161	3035	**NMRV-P063/130**	80D4 / 90S4	**NMRV-P063/130**	56C / 143/145TC
8.8	2.3	7085	10	20	200	16627	4047	**NMRV-P063/150**	80D4 / 90S4	**NMRV-P063/150**	56C / 143/145TC

1.5 HP

Output Speed **RPM**	Service Factor **sf**	Output Torque **in-lbs**	Ratio **Stage 1**	Ratio **Stage 2**	Total Ratio **i**	Maximum Torque **in-lbs**	OHL Output Shaft **lbs**	Gearmotor		Gear Reducer	
								Reducer	**Motor**	**Reducer**	**NEMA C-face**
7.0	1.2	8699	10	25	250	10382	2320	**NMRV-P063/110**	80D4 / 90S4	**NMRV-P063/110**	56C / 143/145TC
7.0	1.2	8656	10	25	250	10382	2320	**NMRV-P050/110**	80D4	**NMRV-P050/110**	56C
7.0	1.6	8620	10	25	250	13542	3035	**NMRV-P063/130**	80D4 / 90S4	**NMRV-P063/130**	56C / 143/145TC
7.0	2.1	8620	10	25	250	18144	4047	**NMRV-P063/150**	80D4 / 90S4	**NMRV-P063/150**	56C / 143/145TC
5.8	1.2	9211	10	30	300	11196	2320	**NMRV-P063/110**	80D4 / 90S4	**NMRV-P063/110**	56C / 143/145TC
5.8	1.2	9165	10	30	300	11196	2320	**NMRV-P050/110**	80D4	**NMRV-P050/110**	56C
5.8	1.7	9352	10	30	300	15578	3035	**NMRV-P063/130**	80D4 / 90S4	**NMRV-P063/130**	56C / 143/145TC
5.8	1.8	10289	15	20	300	18543	4047	**NMRV-P063/150**	80D4 / 90S4	**NMRV-P063/150**	56C / 143/145TC
4.4	1.2	11903	10	40	400	14603	3035	**NMRV-P063/130**	80D4 / 90S4	**NMRV-P063/130**	56C / 143/145TC
4.4	2.0	12092	10	40	400	23631	4047	**NMRV-P063/150**	80D4 / 90S4	**NMRV-P063/150**	56C / 143/145TC
3.5	1.5	14170	10	50	500	20622	4047	**NMRV-P063/150**	80D4 / 90S4	**NMRV-P063/150**	56C / 143/145TC
2.9	1.3	17560	15	40	600	23631	4047	**NMRV-P063/150**	80D4 / 90S4	**NMRV-P063/150**	56C / 143/145TC
2.3	1.0	20578	15	50	750	20622	4047	**NMRV-P063/150**	80D4 / 90S4	**NMRV-P063/150**	56C / 143/145TC

2 HP

Output Speed **RPM**	Service Factor **sf**	Output Torque **in-lbs**	Ratio **Stage 1**	Ratio **Stage 2**	Total Ratio **i**	Maximum Torque **in-lbs**	OHL Output Shaft **lbs**	Gearmotor		Gear Reducer	
								Reducer	**Motor**	**Reducer**	**NEMA C-face**
18	1.8	5101	10	10	100	8979	2320	**NMRV-P063/110**	90L4	**NMRV-P063/110**	143/145TC
18	1.8	5101	10	10	100	8979	3035	**NMRV-P063/130**	90L4	**NMRV-P063/130**	143/145TC
12	1.4	7337	10	15	150	10585	2320	**NMRV-P063/110**	90L4	**NMRV-P063/110**	143/145TC
12	1.8	7180	10	15	150	12637	3035	**NMRV-P063/130**	90L4	**NMRV-P063/130**	143/145TC
12	2.2	7247	7.5	20	150	16145	4047	**NMRV-P063/150**	90L4	**NMRV-P063/150**	143/145TC
8.8	1.1	9531	10	20	200	10081	2320	**NMRV-P063/110**	90L4	**NMRV-P063/110**	143/145TC
8.8	1.5	9447	10	20	200	14161	3035	**NMRV-P063/130**	90L4	**NMRV-P063/130**	143/145TC
8.8	1.8	9447	10	20	200	16627	4047	**NMRV-P063/150**	90L4	**NMRV-P063/150**	143/145TC
7.0	1.2	11494	10	25	250	13542	3035	**NMRV-P063/130**	90L4	**NMRV-P063/130**	143/145TC
7.0	1.6	11494	10	25	250	18144	4047	**NMRV-P063/150**	90L4	**NMRV-P063/150**	143/145TC
5.8	1.2	12470	10	30	300	15578	3035	**NMRV-P063/130**	90L4	**NMRV-P063/130**	143/145TC
5.8	1.4	13719	15	20	300	18543	4047	**NMRV-P063/150**	90L4	**NMRV-P063/150**	143/145TC
4.4	1.5	16123	10	40	400	23631	4047	**NMRV-P063/150**	90L4	**NMRV-P063/150**	143/145TC
3.5	1.1	18894	10	50	500	20622	4047	**NMRV-P063/150**	90L4	**NMRV-P063/150**	143/145TC
2.9	1.0	23413	15	40	600	23631	4047	**NMRV-P063/150**	90L4	**NMRV-P063/150**	143/145TC

Double Worm Gear Reducer Ratings - Input Speed 3500 rpm

Maximum Torque **in-lbs**	Output Speed **RPM**	Ratio **Stage 1**	Ratio **Stage 2**	Total Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
						Output Shaft **lbs**	Input Shaft **lbs**	**Motorized Input**	**Shaft Input**
283	35	10	10	100	0.24	**268**	-	**NMRV025/030**	-
248	23	7.5	20	150	0.17	**307**	-	**NMRV025/030**	-
248	18	10	20	200	0.13	**338**	-	**NMRV025/030**	-
301	14	10	25	250	0.14	**364**	-	**NMRV025/030**	-
274	12	10	30	300	0.11	**387**	-	**NMRV025/030**	-
248	8.8	20	20	400	0.07	**411**	-	**NMRV025/030**	-
301	7.0	20	25	500	0.08	**411**	-	**NMRV025/030**	-
274	5.8	20	30	600	0.06	**411**	-	**NMRV025/030**	-
301	4.7	30	25	750	0.06	**411**	-	**NMRV025/030**	-
274	3.9	30	30	900	0.04	**411**	-	**NMRV025/030**	-
248	2.9	30	40	1200	0.03	**411**	-	**NMRV025/030**	-
230	2.3	30	50	1500	0.03	**411**	-	**NMRV025/030**	-
274	1.9	60	30	1800	0.03	**411**	-	**NMRV025/030**	-
248	1.5	60	40	2400	0.02	**411**	-	**NMRV025/030**	-
230	1.2	60	50	3000	0.02	**411**	-	**NMRV025/030**	-
177	0.9	50	80	4000	0.01	**411**	-	**NMRV025/030**	-
628	35	10	10	100	0.53	**516**	-	**NMRV025/040**	-
575	23	7.5	20	150	0.35	**591**	-	**NMRV025/040**	-
575	18	10	20	200	0.27	**651**	-	**NMRV025/040**	-
540	14	10	25	250	0.21	**701**	-	**NMRV025/040**	-
646	12	10	30	300	0.24	**745**	-	**NMRV025/040**	-
575	8.8	20	20	400	0.15	**784**	-	**NMRV025/040**	-
540	7.0	20	25	500	0.12	**784**	-	**NMRV025/040**	-
646	5.8	20	30	600	0.13	**784**	-	**NMRV025/040**	-
540	4.7	30	25	750	0.08	**784**	-	**NMRV025/040**	-
495	3.9	15	60	900	0.08	**784**	-	**NMRV025/040**	-
575	2.9	30	40	1200	0.07	**784**	-	**NMRV025/040**	-
531	2.3	30	50	1500	0.05	**784**	-	**NMRV025/040**	-
646	1.9	60	30	1800	0.06	**784**	-	**NMRV025/040**	-
575	1.5	60	40	2400	0.04	**784**	-	**NMRV025/040**	-
531	1.2	60	50	3000	0.03	**784**	-	**NMRV025/040**	-
425	0.9	50	80	4000	0.02	**784**	-	**NMRV025/040**	-
380	0.7	50	100	5000	0.02	**784**	-	**NMRV025/040**	-
628	35	10	10	100	0.54	**784**	**31**	**NMRV030/040**	**NRV030/040**
637	23	10	15	150	0.39	**785**	**31**	**NMRV030/040**	**NRV030/040**
575	18	10	20	200	0.28	**785**	**31**	**NMRV030/040**	**NRV030/040**
540	14	10	25	250	0.22	**785**	**31**	**NMRV030/040**	**NRV030/040**
646	12	10	30	300	0.24	**785**	**31**	**NMRV030/040**	**NRV030/040**
575	8.8	10	40	400	0.18	**785**	**31**	**NMRV030/040**	**NRV030/040**
540	7.0	20	25	500	0.12	**785**	**33**	**NMRV030/040**	**NRV030/040**
646	5.8	20	30	600	0.13	**785**	**33**	**NMRV030/040**	**NRV030/040**
646	4.7	25	30	750	0.11	**785**	**47**	**NMRV030/040**	**NRV030/040**
646	3.9	30	30	900	0.10	**785**	**47**	**NMRV030/040**	**NRV030/040**
646	2.9	40	30	1200	0.08	**785**	**29**	**NMRV030/040**	**NRV030/040**
646	2.3	50	30	1500	0.07	**785**	**29**	**NMRV030/040**	**NRV030/040**
646	1.9	60	30	1800	0.06	**785**	**28**	**NMRV030/040**	**NRV030/040**
575	1.5	60	40	2400	0.04	**785**	**28**	**NMRV030/040**	**NRV030/040**
531	1.2	60	50	3000	0.03	**785**	**28**	**NMRV030/040**	**NRV030/040**
425	0.9	50	80	4000	0.02	**785**	**29**	**NMRV030/040**	**NRV030/040**
380	0.7	50	100	5000	0.02	**785**	**29**	**NMRV030/040**	**NRV030/040**
839	35	10	10	100	0.70	**1076**	**31**	**NMRV030/050**	**NRV030/050**
1161	23	10	15	150	0.70	**1088**	**31**	**NMRV030/050**	**NRV030/050**
1062	18	10	20	200	0.51	**1088**	**31**	**NMRV030/050**	**NRV030/050**
973	14	10	25	250	0.40	**1088**	**31**	**NMRV030/050**	**NRV030/050**
1283	12	10	30	300	0.48	**1088**	**31**	**NMRV030/050**	**NRV030/050**

Maximum Torque in-lbs	Output Speed RPM	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Power HP	OHL		Gear Reducer	
						Output Shaft lbs	Input Shaft lbs	Motorized Input	Shaft Input
1097	8.8	10	40	400	0.34	1088	31	NMRV030/050	NRV030/050
1062	7.0	10	50	500	0.28	1088	31	NMRV030/050	NRV030/050
1283	5.8	20	30	600	0.26	1088	33	NMRV030/050	NRV030/050
1283	4.7	25	30	750	0.22	1088	47	NMRV030/050	NRV030/050
1283	3.9	30	30	900	0.19	1088	47	NMRV030/050	NRV030/050
1283	2.9	40	30	1200	0.15	1088	29	NMRV030/050	NRV030/050
1283	2.3	50	30	1500	0.13	1088	29	NMRV030/050	NRV030/050
1283	1.9	60	30	1800	0.12	1088	28	NMRV030/050	NRV030/050
1097	1.5	60	40	2400	0.08	1088	28	NMRV030/050	NRV030/050
1062	1.2	60	50	3000	0.07	1088	28	NMRV030/050	NRV030/050
726	0.9	50	80	4000	0.04	1088	29	NMRV030/050	NRV030/050
699	0.7	50	100	5000	0.04	1088	29	NMRV030/050	NRV030/050
1212	35	10	10	100	0.99	1076	61	NMRV040/050	NRV040/050
1194	23	10	15	150	0.71	1088	61	NMRV040/050	NRV040/050
1062	18	10	20	200	0.50	1088	61	NMRV040/050	NRV040/050
973	14	10	25	250	0.39	1088	61	NMRV040/050	NRV040/050
1283	12	10	30	300	0.47	1088	61	NMRV040/050	NRV040/050
1097	8.8	10	40	400	0.33	1088	61	NMRV040/050	NRV040/050
1212	7.0	50	10	500	0.25	1076	79	NMRV040/050	NRV040/050
1283	5.8	20	30	600	0.25	1088	46	NMRV040/050	NRV040/050
1283	4.7	25	30	750	0.20	1088	53	NMRV040/050	NRV040/050
1194	3.9	60	15	900	0.16	1088	79	NMRV040/050	NRV040/050
1283	2.9	40	30	1200	0.14	1088	79	NMRV040/050	NRV040/050
1283	2.3	50	30	1500	0.12	1088	79	NMRV040/050	NRV040/050
1283	1.9	60	30	1800	0.10	1088	79	NMRV040/050	NRV040/050
1097	1.5	60	40	2400	0.07	1088	79	NMRV040/050	NRV040/050
1062	1.2	60	50	3000	0.06	1088	79	NMRV040/050	NRV040/050
1062	0.9	80	50	4000	0.05	1088	79	NMRV040/050	NRV040/050
1062	0.7	100	50	5000	0.04	1088	79	NMRV040/050	NRV040/050
850	35	10	10	100	0.70	1407	31	NMRV-P030/063	NRV-P030/063
1188	23	10	15	150	0.70	1410	31	NMRV-P030/063	NRV-P030/063
1490	18	10	20	200	0.70	1410	31	NMRV-P030/063	NRV-P030/063
1780	14	10	25	250	0.70	1410	31	NMRV-P030/063	NRV-P030/063
2258	12	7.5	40	300	0.89	1410	28	NMRV-P030/063	NRV-P030/063
2258	8.8	10	40	400	0.68	1410	31	NMRV-P030/063	NRV-P030/063
2102	7.0	10	50	500	0.54	1410	31	NMRV-P030/063	NRV-P030/063
1798	5.8	20	30	600	0.36	1410	33	NMRV-P030/063	NRV-P030/063
2385	4.7	25	30	750	0.40	1410	47	NMRV-P030/063	NRV-P030/063
2243	3.9	30	30	900	0.32	1410	47	NMRV-P030/063	NRV-P030/063
2100	2.9	40	30	1200	0.24	1410	29	NMRV-P030/063	NRV-P030/063
1940	2.3	50	30	1500	0.19	1410	29	NMRV-P030/063	NRV-P030/063
1798	1.9	60	30	1800	0.16	1410	28	NMRV-P030/063	NRV-P030/063
2182	1.5	60	40	2400	0.16	1410	28	NMRV-P030/063	NRV-P030/063
2102	1.2	60	50	3000	0.13	1410	28	NMRV-P030/063	NRV-P030/063
2102	0.9	80	50	4000	0.11	1410	29	NMRV-P030/063	NRV-P030/063
1327	0.7	50	100	5000	0.07	1410	29	NMRV-P030/063	NRV-P030/063
1903	35	10	10	100	1.54	1407	61	NMRV-P040/063	NRV-P040/063
2404	23	10	15	150	1.39	1410	61	NMRV-P040/063	NRV-P040/063
2239	18	10	20	200	1.03	1410	61	NMRV-P040/063	NRV-P040/063
2044	14	10	25	250	0.79	1410	61	NMRV-P040/063	NRV-P040/063
2530	12	10	30	300	0.90	1410	61	NMRV-P040/063	NRV-P040/063
2258	8.8	10	40	400	0.66	1410	61	NMRV-P040/063	NRV-P040/063
2044	7.0	20	25	500	0.42	1410	46	NMRV-P040/063	NRV-P040/063
2530	5.8	20	30	600	0.48	1410	46	NMRV-P040/063	NRV-P040/063
2530	4.7	25	30	750	0.39	1410	53	NMRV-P040/063	NRV-P040/063
2530	3.9	30	30	900	0.34	1410	79	NMRV-P040/063	NRV-P040/063
2530	2.9	40	30	1200	0.27	1410	79	NMRV-P040/063	NRV-P040/063
2530	2.3	50	30	1500	0.23	1410	79	NMRV-P040/063	NRV-P040/063

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Maximum Torque **in-lbs**	Output Speed **RPM**	Ratio **Stage 1**	Ratio **Stage 2**	Total Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
						Output Shaft **lbs**	Input Shaft **lbs**	**Motorized Input**	**Shaft Input**
2530	1.9	60	30	1800	0.20	**1410**	**79**	**NMRV-P040/063**	**NRV-P040/063**
2258	1.5	60	40	2400	0.15	**1410**	**79**	**NMRV-P040/063**	**NRV-P040/063**
2102	1.2	60	50	3000	0.12	**1410**	**79**	**NMRV-P040/063**	**NRV-P040/063**
2102	0.9	80	50	4000	0.10	**1410**	**79**	**NMRV-P040/063**	**NRV-P040/063**
2102	0.7	100	50	5000	0.08	**1410**	**79**	**NMRV-P040/063**	**NRV-P040/063**
1928	35	10	10	100	1.54	**1659**	**61**	**NMRV-P040/075**	**NRV-P040/075**
2733	23	10	15	150	1.54	**1659**	**61**	**NMRV-P040/075**	**NRV-P040/075**
3432	18	10	20	200	1.54	**1659**	**61**	**NMRV-P040/075**	**NRV-P040/075**
3358	14	10	25	250	1.26	**1659**	**61**	**NMRV-P040/075**	**NRV-P040/075**
3969	12	10	30	300	1.34	**1659**	**61**	**NMRV-P040/075**	**NRV-P040/075**
3663	8.8	10	40	400	1.01	**1659**	**61**	**NMRV-P040/075**	**NRV-P040/075**
3256	7.0	10	50	500	0.79	**1659**	**61**	**NMRV-P040/075**	**NRV-P040/075**
3969	5.8	20	30	600	0.71	**1659**	**46**	**NMRV-P040/075**	**NRV-P040/075**
3969	4.7	25	30	750	0.59	**1659**	**53**	**NMRV-P040/075**	**NRV-P040/075**
3969	3.9	30	30	900	0.51	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3969	2.9	40	30	1200	0.40	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3969	2.3	50	30	1500	0.34	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3969	1.9	60	30	1800	0.30	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3663	1.5	60	40	2400	0.22	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3256	1.2	60	50	3000	0.18	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3256	0.9	80	50	4000	0.14	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3256	0.7	100	50	5000	0.13	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
1976	35	10	10	100	1.54	**1838**	**61**	**NMRV-P040/090**	**NRV-P040/090**
2806	23	10	15	150	1.54	**1839**	**61**	**NMRV-P040/090**	**NRV-P040/090**
3595	18	10	20	200	1.54	**1839**	**61**	**NMRV-P040/090**	**NRV-P040/090**
4311	14	10	25	250	1.54	**1839**	**61**	**NMRV-P040/090**	**NRV-P040/090**
4782	12	10	30	300	1.54	**1839**	**61**	**NMRV-P040/090**	**NRV-P040/090**
5397	8.8	10	40	400	1.41	**1839**	**61**	**NMRV-P040/090**	**NRV-P040/090**
4955	7.0	10	50	500	1.12	**1839**	**61**	**NMRV-P040/090**	**NRV-P040/090**
4782	5.8	20	30	600	0.82	**1839**	**46**	**NMRV-P040/090**	**NRV-P040/090**
4606	4.7	25	30	750	0.65	**1839**	**53**	**NMRV-P040/090**	**NRV-P040/090**
5606	3.9	30	30	900	0.69	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
5116	2.9	40	30	1200	0.50	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
4939	2.3	50	30	1500	0.41	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
4606	1.9	60	30	1800	0.33	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
5397	1.5	60	40	2400	0.31	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
4955	1.2	60	50	3000	0.25	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
4955	0.9	80	50	4000	0.20	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
4955	0.7	100	50	5000	0.18	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
3677	35	10	10	100	2.83	**1838**	**85**	**NMRV-P050/090**	**NRV-P050/090**
5221	23	10	15	150	2.83	**1839**	**85**	**NMRV-P050/090**	**NRV-P050/090**
5397	18	10	20	200	2.29	**1839**	**85**	**NMRV-P050/090**	**NRV-P050/090**
5043	14	10	25	250	1.78	**1839**	**85**	**NMRV-P050/090**	**NRV-P050/090**
6194	12	10	30	300	1.97	**1839**	**85**	**NMRV-P050/090**	**NRV-P050/090**
5397	8.8	10	40	400	1.40	**1839**	**85**	**NMRV-P050/090**	**NRV-P050/090**
5043	7.0	20	25	500	0.96	**1839**	**94**	**NMRV-P050/090**	**NRV-P050/090**
6194	5.8	20	30	600	1.06	**1839**	**94**	**NMRV-P050/090**	**NRV-P050/090**
6194	4.7	25	30	750	0.87	**1839**	**108**	**NMRV-P050/090**	**NRV-P050/090**
6194	3.9	30	30	900	0.76	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
6194	2.9	40	30	1200	0.59	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
6194	2.3	50	30	1500	0.50	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
6194	1.9	60	30	1800	0.44	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
5397	1.5	60	40	2400	0.31	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
4955	1.2	60	50	3000	0.24	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
4955	0.9	80	50	4000	0.20	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
4955	0.7	100	50	5000	0.17	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
3677	35	10	10	100	2.83	**2320**	**85**	**NMRV-P050/110**	**NRV-P050/110**
5289	23	10	15	150	2.83	**2320**	**85**	**NMRV-P050/110**	**NRV-P050/110**

Maximum Torque in-lbs	Output Speed RPM	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Power HP	OHL		Gear Reducer	
						Output Shaft lbs	Input Shaft lbs	Motorized Input	Shaft Input
6871	18	10	20	200	2.83	2320	85	NMRV-P050/110	NRV-P050/110
8361	14	10	25	250	2.83	2320	85	NMRV-P050/110	NRV-P050/110
8853	12	10	30	300	2.83	2320	85	NMRV-P050/110	NRV-P050/110
10485	8.8	10	40	400	2.60	2320	85	NMRV-P050/110	NRV-P050/110
8214	7.0	20	25	500	1.49	2320	94	NMRV-P050/110	NRV-P050/110
8697	5.8	20	30	600	1.49	2320	94	NMRV-P050/110	NRV-P050/110
8366	4.7	25	30	750	1.18	2320	108	NMRV-P050/110	NRV-P050/110
10491	3.9	30	30	900	1.29	2320	110	NMRV-P050/110	NRV-P050/110
9672	2.9	40	30	1200	0.93	2320	110	NMRV-P050/110	NRV-P050/110
8697	2.3	50	30	1500	0.71	2320	110	NMRV-P050/110	NRV-P050/110
8190	1.9	60	30	1800	0.58	2320	110	NMRV-P050/110	NRV-P050/110
10485	1.5	60	40	2400	0.57	2320	110	NMRV-P050/110	NRV-P050/110
9733	1.2	60	50	3000	0.45	2320	110	NMRV-P050/110	NRV-P050/110
9733	0.9	80	50	4000	0.36	2320	110	NMRV-P050/110	NRV-P050/110
9733	0.7	100	50	5000	0.31	2320	110	NMRV-P050/110	NRV-P050/110
6787	35	10	10	100	5.11	2320	106	NMRV-P063/110	NRV-P063/110
9761	23	10	15	150	5.11	2320	106	NMRV-P063/110	NRV-P063/110
10078	18	10	20	200	4.06	2320	106	NMRV-P063/110	NRV-P063/110
10379	14	10	25	250	3.44	2320	106	NMRV-P063/110	NRV-P063/110
11193	12	10	30	300	3.50	2320	106	NMRV-P063/110	NRV-P063/110
10485	8.8	10	40	400	2.54	2320	106	NMRV-P063/110	NRV-P063/110
10379	7.0	20	25	500	1.80	2320	119	NMRV-P063/110	NRV-P063/110
11193	5.8	20	30	600	1.83	2320	119	NMRV-P063/110	NRV-P063/110
11193	4.7	25	30	750	1.50	2320	132	NMRV-P063/110	NRV-P063/110
11193	3.9	30	30	900	1.30	2320	157	NMRV-P063/110	NRV-P063/110
11193	2.9	40	30	1200	1.01	2320	157	NMRV-P063/110	NRV-P063/110
11193	2.3	50	30	1500	0.85	2320	157	NMRV-P063/110	NRV-P063/110
11193	1.9	60	30	1800	0.74	2320	157	NMRV-P063/110	NRV-P063/110
10485	1.5	60	40	2400	0.53	2320	157	NMRV-P063/110	NRV-P063/110
9733	1.2	60	50	3000	0.41	2320	157	NMRV-P063/110	NRV-P063/110
9733	0.9	80	50	4000	0.33	2320	157	NMRV-P063/110	NRV-P063/110
9733	0.7	100	50	5000	0.29	2320	157	NMRV-P063/110	NRV-P063/110
6787	35	10	10	100	5.11	3035	106	NMRV-P063/130	NRV-P063/130
9552	23	10	15	150	5.11	3035	106	NMRV-P063/130	NRV-P063/130
12568	18	10	20	200	5.11	3035	106	NMRV-P063/130	NRV-P063/130
13538	14	10	25	250	4.53	3035	106	NMRV-P063/130	NRV-P063/130
15573	12	10	30	300	4.80	3035	106	NMRV-P063/130	NRV-P063/130
14599	8.8	10	40	400	3.54	3035	106	NMRV-P063/130	NRV-P063/130
13715	7.0	10	50	500	2.79	3035	106	NMRV-P063/130	NRV-P063/130
15573	5.8	20	30	600	2.51	3035	119	NMRV-P063/130	NRV-P063/130
15314	4.7	25	30	750	2.02	3035	132	NMRV-P063/130	NRV-P063/130
15573	3.9	30	30	900	1.78	3035	157	NMRV-P063/130	NRV-P063/130
15573	2.9	40	30	1200	1.38	3035	157	NMRV-P063/130	NRV-P063/130
15573	2.3	50	30	1500	1.17	3035	157	NMRV-P063/130	NRV-P063/130
15573	1.9	60	30	1800	1.01	3035	157	NMRV-P063/130	NRV-P063/130
14599	1.5	60	40	2400	0.74	3035	157	NMRV-P063/130	NRV-P063/130
13715	1.2	60	50	3000	0.59	3035	157	NMRV-P063/130	NRV-P063/130
13715	0.9	80	50	4000	0.47	3035	157	NMRV-P063/130	NRV-P063/130
13715	0.7	100	50	5000	0.42	3035	157	NMRV-P063/130	NRV-P063/130
11898	23	7.5	20	150	6.39	4045	89	NMRV-P063/150	NRV-P063/150
12568	18	10	20	200	5.11	4045	105	NMRV-P063/150	NRV-P063/150
15291	14	10	25	250	5.11	4045	105	NMRV-P063/150	NRV-P063/150
13275	12	15	20	300	3.68	4045	111	NMRV-P063/150	NRV-P063/150
21450	8.8	10	40	400	5.11	4045	105	NMRV-P063/150	NRV-P063/150
20616	7.0	10	50	500	4.19	4045	105	NMRV-P063/150	NRV-P063/150
22655	5.8	15	40	600	3.68	4045	111	NMRV-P063/150	NRV-P063/150
20616	4.7	15	50	750	2.86	4045	111	NMRV-P063/150	NRV-P063/150
18581	3.9	30	30	900	1.97	4045	157	NMRV-P063/150	NRV-P063/150

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Maximum Torque **in-lbs**	Output Speed **RPM**	Ratio **Stage 1**	Ratio **Stage 2**	Total Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
						Output Shaft **lbs**	Input Shaft **lbs**	**Motorized Input**	**Shaft Input**
23624	2.9	30	40	1200	2.08	**4045**	**157**	**NMRV-P063/150**	**NRV-P063/150**
17098	1.9	60	30	1800	1.03	**4045**	**157**	**NMRV-P063/150**	**NRV-P063/150**
20549	1.5	60	40	2400	1.03	**4045**	**157**	**NMRV-P063/150**	**NRV-P063/150**
20616	1.2	60	50	3000	0.88	**4045**	**157**	**NMRV-P063/150**	**NRV-P063/150**
20616	0.9	80	50	4000	0.71	**4045**	**157**	**NMRV-P063/150**	**NRV-P063/150**
19227	0.7	100	50	5000	0.58	**4045**	**157**	**NMRV-P063/150**	**NRV-P063/150**

Double Worm Gear Reducer Ratings - Input Speed 1750 rpm

Maximum Torque in-lbs	Output Speed RPM	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Power HP	OHL		Gear Reducer	
						Output Shaft lbs	Input Shaft lbs	Motorized Input	Shaft Input
283	18	10	10	100	0.13	338	-	NMRV025/030	-
248	12	7.5	20	150	0.09	387	-	NMRV025/030	-
248	8.8	10	20	200	0.07	411	-	NMRV025/030	-
301	7.0	10	25	250	0.07	411	-	NMRV025/030	-
274	5.8	10	30	300	0.06	411	-	NMRV025/030	-
248	4.4	20	20	400	0.04	411	-	NMRV025/030	-
301	3.5	20	25	500	0.04	411	-	NMRV025/030	-
274	2.9	20	30	600	0.03	411	-	NMRV025/030	-
301	2.3	30	25	750	0.03	411	-	NMRV025/030	-
274	1.9	30	30	900	0.02	411	-	NMRV025/030	-
248	1.5	30	40	1200	0.02	411	-	NMRV025/030	-
230	1.2	30	50	1500	0.01	411	-	NMRV025/030	-
274	1.0	60	30	1800	0.01	411	-	NMRV025/030	-
248	0.7	60	40	2400	0.01	411	-	NMRV025/030	-
230	0.6	60	50	3000	0.01	411	-	NMRV025/030	-
177	0.4	50	80	4000	0.01	411	-	NMRV025/030	-
628	18	10	10	100	0.27	651	-	NMRV025/040	-
575	12	7.5	20	150	0.18	745	-	NMRV025/040	-
575	8.8	10	20	200	0.14	784	-	NMRV025/040	-
540	7.0	10	25	250	0.11	784	-	NMRV025/040	-
646	5.8	10	30	300	0.12	784	-	NMRV025/040	-
575	4.4	20	20	400	0.08	784	-	NMRV025/040	-
540	3.5	20	25	500	0.06	784	-	NMRV025/040	-
646	2.9	20	30	600	0.07	784	-	NMRV025/040	-
540	2.3	30	25	750	0.05	784	-	NMRV025/040	-
646	1.9	15	60	900	0.05	784	-	NMRV025/040	-
575	1.5	30	40	1200	0.04	784	-	NMRV025/040	-
531	1.2	30	50	1500	0.03	784	-	NMRV025/040	-
646	1.0	60	30	1800	0.03	784	-	NMRV025/040	-
575	0.7	60	40	2400	0.02	784	-	NMRV025/040	-
531	0.6	60	50	3000	0.02	784	-	NMRV025/040	-
425	0.4	50	80	4000	0.01	784	-	NMRV025/040	-
380	0.4	50	100	5000	0.01	784	-	NMRV025/040	-
628	18	10	10	100	0.28	784	38	NMRV030/040	NRV030/040
637	12	10	15	150	0.20	785	38	NMRV030/040	NRV030/040
575	8.8	10	20	200	0.14	785	38	NMRV030/040	NRV030/040
540	7.0	10	25	250	0.11	785	38	NMRV030/040	NRV030/040
646	5.8	10	30	300	0.13	785	38	NMRV030/040	NRV030/040
575	4.4	10	40	400	0.09	785	38	NMRV030/040	NRV030/040
540	3.5	20	25	500	0.06	785	40	NMRV030/040	NRV030/040
646	2.9	20	30	600	0.07	785	40	NMRV030/040	NRV030/040
646	2.3	25	30	750	0.06	785	47	NMRV030/040	NRV030/040
646	1.9	30	30	900	0.05	785	47	NMRV030/040	NRV030/040
646	1.5	40	30	1200	0.04	785	47	NMRV030/040	NRV030/040
646	1.2	50	30	1500	0.04	785	47	NMRV030/040	NRV030/040
646	1.0	60	30	1800	0.03	785	47	NMRV030/040	NRV030/040
575	0.7	60	40	2400	0.03	785	47	NMRV030/040	NRV030/040
531	0.6	60	50	3000	0.02	785	47	NMRV030/040	NRV030/040
425	0.4	50	80	4000	0.01	785	47	NMRV030/040	NRV030/040
380	0.4	50	100	5000	0.01	785	47	NMRV030/040	NRV030/040
1212	18	10	10	100	0.53	1076	38	NMRV030/050	NRV030/050
1194	12	10	15	150	0.38	1088	38	NMRV030/050	NRV030/050
1062	8.8	10	20	200	0.27	1088	38	NMRV030/050	NRV030/050
973	7.0	10	25	250	0.21	1088	38	NMRV030/050	NRV030/050
1283	5.8	10	30	300	0.25	1088	38	NMRV030/050	NRV030/050

Maximum Torque in-lbs	Output Speed RPM	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Power HP	OHL		Gear Reducer	
						Output Shaft lbs	Input Shaft lbs	Motorized Input	Shaft Input
1097	4.4	10	40	400	0.18	1088	38	NMRV030/050	NRV030/050
1062	3.5	10	50	500	0.15	1088	38	NMRV030/050	NRV030/050
1283	2.9	20	30	600	0.14	1088	40	NMRV030/050	NRV030/050
1283	2.3	25	30	750	0.12	1088	47	NMRV030/050	NRV030/050
1283	1.9	30	30	900	0.10	1088	47	NMRV030/050	NRV030/050
1283	1.5	40	30	1200	0.09	1088	47	NMRV030/050	NRV030/050
1283	1.2	50	30	1500	0.07	1088	47	NMRV030/050	NRV030/050
1283	1.0	60	30	1800	0.07	1088	47	NMRV030/050	NRV030/050
1097	0.7	60	40	2400	0.05	1088	47	NMRV030/050	NRV030/050
1062	0.6	60	50	3000	0.04	1088	47	NMRV030/050	NRV030/050
726	0.4	50	80	4000	0.02	1088	47	NMRV030/050	NRV030/050
699	0.4	50	100	5000	0.02	1088	47	NMRV030/050	NRV030/050
1212	18	10	10	100	0.51	1076	77	NMRV040/050	NRV040/050
1194	12	10	15	150	0.37	1088	77	NMRV040/050	NRV040/050
1062	8.8	10	20	200	0.26	1088	77	NMRV040/050	NRV040/050
973	7.0	10	25	250	0.20	1088	77	NMRV040/050	NRV040/050
1283	5.8	10	30	300	0.24	1088	77	NMRV040/050	NRV040/050
1097	4.4	10	40	400	0.17	1088	77	NMRV040/050	NRV040/050
1212	3.5	50	10	500	0.14	1076	79	NMRV040/050	NRV040/050
1283	2.9	20	30	600	0.13	1088	79	NMRV040/050	NRV040/050
1283	2.3	25	30	750	0.11	1088	79	NMRV040/050	NRV040/050
1194	1.9	60	15	900	0.09	1088	79	NMRV040/050	NRV040/050
1283	1.5	40	30	1200	0.08	1088	79	NMRV040/050	NRV040/050
1283	1.2	50	30	1500	0.07	1088	79	NMRV040/050	NRV040/050
1283	1.0	60	30	1800	0.06	1088	79	NMRV040/050	NRV040/050
1097	0.7	60	40	2400	0.04	1088	79	NMRV040/050	NRV040/050
1062	0.6	60	50	3000	0.03	1088	79	NMRV040/050	NRV040/050
1062	0.4	80	50	4000	0.03	1088	79	NMRV040/050	NRV040/050
1062	0.4	100	50	5000	0.03	1088	79	NMRV040/050	NRV040/050
1248	18	10	10	100	0.54	1407	38	NMRV-P030/063	NRV-P030/063
1745	12	10	15	150	0.54	1410	38	NMRV-P030/063	NRV-P030/063
2187	8.8	10	20	200	0.54	1410	38	NMRV-P030/063	NRV-P030/063
2044	7.0	10	25	250	0.42	1410	38	NMRV-P030/063	NRV-P030/063
2259	5.8	7.5	40	300	0.46	1410	34	NMRV-P030/063	NRV-P030/063
2259	4.4	10	40	400	0.35	1410	38	NMRV-P030/063	NRV-P030/063
2103	3.5	10	50	500	0.28	1410	38	NMRV-P030/063	NRV-P030/063
2531	2.9	20	30	600	0.27	1410	40	NMRV-P030/063	NRV-P030/063
2531	2.3	25	30	750	0.23	1410	47	NMRV-P030/063	NRV-P030/063
2531	1.9	30	30	900	0.20	1410	47	NMRV-P030/063	NRV-P030/063
2531	1.5	40	30	1200	0.16	1410	47	NMRV-P030/063	NRV-P030/063
2531	1.2	50	30	1500	0.14	1410	47	NMRV-P030/063	NRV-P030/063
2386	1.0	60	30	1800	0.12	1410	47	NMRV-P030/063	NRV-P030/063
2259	0.7	60	40	2400	0.09	1410	47	NMRV-P030/063	NRV-P030/063
2103	0.6	60	50	3000	0.07	1410	47	NMRV-P030/063	NRV-P030/063
2103	0.4	80	50	4000	0.06	1410	47	NMRV-P030/063	NRV-P030/063
1327	0.4	50	100	5000	0.04	1410	47	NMRV-P030/063	NRV-P030/063
2434	18	10	10	100	1.02	1407	77	NMRV-P040/063	NRV-P040/063
2404	12	10	15	150	0.72	1410	77	NMRV-P040/063	NRV-P040/063
2239	8.8	10	20	200	0.54	1410	77	NMRV-P040/063	NRV-P040/063
2044	7.0	10	25	250	0.41	1410	77	NMRV-P040/063	NRV-P040/063
2531	5.8	10	30	300	0.46	1410	77	NMRV-P040/063	NRV-P040/063
2259	4.4	10	40	400	0.34	1410	77	NMRV-P040/063	NRV-P040/063
2044	3.5	20	25	500	0.22	1410	79	NMRV-P040/063	NRV-P040/063
2531	2.9	20	30	600	0.25	1410	79	NMRV-P040/063	NRV-P040/063
2531	2.3	25	30	750	0.21	1410	79	NMRV-P040/063	NRV-P040/063
2531	1.9	30	30	900	0.19	1410	79	NMRV-P040/063	NRV-P040/063
2531	1.5	40	30	1200	0.15	1410	79	NMRV-P040/063	NRV-P040/063
2531	1.2	50	30	1500	0.13	1410	79	NMRV-P040/063	NRV-P040/063

Maximum Torque in-lbs	Output Speed RPM	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Power HP	OHL		Gear Reducer	
						Output Shaft lbs	Input Shaft lbs	Motorized Input	Shaft Input
2531	1.0	60	30	1800	0.11	1410	79	NMRV-P040/063	NRV-P040/063
2259	0.7	60	40	2400	0.08	1410	79	NMRV-P040/063	NRV-P040/063
2103	0.6	60	50	3000	0.07	1410	79	NMRV-P040/063	NRV-P040/063
2103	0.4	80	50	4000	0.05	1410	79	NMRV-P040/063	NRV-P040/063
2103	0.4	100	50	5000	0.05	1410	79	NMRV-P040/063	NRV-P040/063
2924	18	10	10	100	1.21	1659	77	NMRV-P040/075	NRV-P040/075
3766	12	10	15	150	1.10	1659	77	NMRV-P040/075	NRV-P040/075
3716	8.8	10	20	200	0.86	1659	77	NMRV-P040/075	NRV-P040/075
3359	7.0	10	25	250	0.65	1659	77	NMRV-P040/075	NRV-P040/075
3970	5.8	10	30	300	0.69	1659	77	NMRV-P040/075	NRV-P040/075
3664	4.4	10	40	400	0.52	1659	77	NMRV-P040/075	NRV-P040/075
3257	3.5	10	50	500	0.41	1659	77	NMRV-P040/075	NRV-P040/075
3970	2.9	20	30	600	0.37	1659	79	NMRV-P040/075	NRV-P040/075
3970	2.3	25	30	750	0.31	1659	79	NMRV-P040/075	NRV-P040/075
3970	1.9	30	30	900	0.28	1659	79	NMRV-P040/075	NRV-P040/075
3970	1.5	40	30	1200	0.22	1659	79	NMRV-P040/075	NRV-P040/075
3970	1.2	50	30	1500	0.19	1659	79	NMRV-P040/075	NRV-P040/075
3970	1.0	60	30	1800	0.17	1659	79	NMRV-P040/075	NRV-P040/075
3664	0.7	60	40	2400	0.13	1659	79	NMRV-P040/075	NRV-P040/075
3257	0.6	60	50	3000	0.10	1659	79	NMRV-P040/075	NRV-P040/075
3257	0.4	80	50	4000	0.08	1659	79	NMRV-P040/075	NRV-P040/075
3257	0.4	100	50	5000	0.07	1659	79	NMRV-P040/075	NRV-P040/075
2998	18	10	10	100	1.21	1838	77	NMRV-P040/090	NRV-P040/090
4256	12	10	15	150	1.21	1839	77	NMRV-P040/090	NRV-P040/090
5399	8.8	10	20	200	1.20	1839	77	NMRV-P040/090	NRV-P040/090
5045	7.0	10	25	250	0.93	1839	77	NMRV-P040/090	NRV-P040/090
6196	5.8	10	30	300	1.03	1839	77	NMRV-P040/090	NRV-P040/090
5399	4.4	10	40	400	0.73	1839	77	NMRV-P040/090	NRV-P040/090
4956	3.5	10	50	500	0.58	1839	77	NMRV-P040/090	NRV-P040/090
6196	2.9	20	30	600	0.56	1839	79	NMRV-P040/090	NRV-P040/090
6196	2.3	25	30	750	0.46	1839	79	NMRV-P040/090	NRV-P040/090
6196	1.9	30	30	900	0.41	1839	79	NMRV-P040/090	NRV-P040/090
6196	1.5	40	30	1200	0.33	1839	79	NMRV-P040/090	NRV-P040/090
6196	1.2	50	30	1500	0.28	1839	79	NMRV-P040/090	NRV-P040/090
6196	1.0	60	30	1800	0.25	1839	79	NMRV-P040/090	NRV-P040/090
5399	0.7	60	40	2400	0.18	1839	79	NMRV-P040/090	NRV-P040/090
4956	0.6	60	50	3000	0.14	1839	79	NMRV-P040/090	NRV-P040/090
4956	0.4	80	50	4000	0.12	1839	79	NMRV-P040/090	NRV-P040/090
4956	0.4	100	50	5000	0.10	1839	79	NMRV-P040/090	NRV-P040/090
5222	18	10	10	100	2.06	1838	110	NMRV-P050/090	NRV-P050/090
5842	12	10	15	150	1.62	1839	110	NMRV-P050/090	NRV-P050/090
5399	8.8	10	20	200	1.17	1839	110	NMRV-P050/090	NRV-P050/090
5045	7.0	10	25	250	0.91	1839	110	NMRV-P050/090	NRV-P050/090
6196	5.8	10	30	300	1.01	1839	110	NMRV-P050/090	NRV-P050/090
5399	4.4	10	40	400	0.71	1839	110	NMRV-P050/090	NRV-P050/090
5045	3.5	20	25	500	0.50	1839	110	NMRV-P050/090	NRV-P050/090
6196	2.9	20	30	600	0.55	1839	110	NMRV-P050/090	NRV-P050/090
6196	2.3	25	30	750	0.46	1839	110	NMRV-P050/090	NRV-P050/090
6196	1.9	30	30	900	0.40	1839	110	NMRV-P050/090	NRV-P050/090
6196	1.5	40	30	1200	0.32	1839	110	NMRV-P050/090	NRV-P050/090
6196	1.2	50	30	1500	0.27	1839	110	NMRV-P050/090	NRV-P050/090
6196	1.0	60	30	1800	0.24	1839	110	NMRV-P050/090	NRV-P050/090
5399	0.7	60	40	2400	0.17	1839	110	NMRV-P050/090	NRV-P050/090
4956	0.6	60	50	3000	0.14	1839	110	NMRV-P050/090	NRV-P050/090
4956	0.4	80	50	4000	0.11	1839	110	NMRV-P050/090	NRV-P050/090
4956	0.4	100	50	5000	0.10	1839	110	NMRV-P050/090	NRV-P050/090
5380	18	10	10	100	2.12	2320	110	NMRV-P050/110	NRV-P050/110
7738	12	10	15	150	2.12	2320	110	NMRV-P050/110	NRV-P050/110

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Maximum Torque **in-lbs**	Output Speed **RPM**	Ratio **Stage 1**	Ratio **Stage 2**	Total Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
						Output Shaft **lbs**	Input Shaft **lbs**	**Motorized Input**	**Shaft Input**
10052	8.8	10	20	200	2.12	**2320**	**110**	**NMRV-P050/110**	**NRV-P050/110**
10382	7.0	10	25	250	1.80	**2320**	**110**	**NMRV-P050/110**	**NRV-P050/110**
11196	5.8	10	30	300	1.83	**2320**	**110**	**NMRV-P050/110**	**NRV-P050/110**
10488	4.4	10	40	400	1.33	**2320**	**110**	**NMRV-P050/110**	**NRV-P050/110**
10382	3.5	20	25	500	0.98	**2320**	**110**	**NMRV-P050/110**	**NRV-P050/110**
11196	2.9	20	30	600	1.00	**2320**	**110**	**NMRV-P050/110**	**NRV-P050/110**
11196	2.3	25	30	750	0.83	**2320**	**110**	**NMRV-P050/110**	**NRV-P050/110**
11196	1.9	30	30	900	0.73	**2320**	**110**	**NMRV-P050/110**	**NRV-P050/110**
11196	1.5	40	30	1200	0.59	**2320**	**110**	**NMRV-P050/110**	**NRV-P050/110**
11196	1.2	50	30	1500	0.50	**2320**	**110**	**NMRV-P050/110**	**NRV-P050/110**
11196	1.0	60	30	1800	0.44	**2320**	**110**	**NMRV-P050/110**	**NRV-P050/110**
10488	0.7	60	40	2400	0.32	**2320**	**110**	**NMRV-P050/110**	**NRV-P050/110**
9736	0.6	60	50	3000	0.25	**2320**	**110**	**NMRV-P050/110**	**NRV-P050/110**
9736	0.4	80	50	4000	0.21	**2320**	**110**	**NMRV-P050/110**	**NRV-P050/110**
9736	0.4	100	50	5000	0.18	**2320**	**110**	**NMRV-P050/110**	**NRV-P050/110**
8979	18	10	10	100	3.52	**2320**	**130**	**NMRV-P063/110**	**NRV-P063/110**
10585	12	10	15	150	2.89	**2320**	**130**	**NMRV-P063/110**	**NRV-P063/110**
10081	8.8	10	20	200	2.12	**2320**	**130**	**NMRV-P063/110**	**NRV-P063/110**
10382	7.0	10	25	250	1.79	**2320**	**130**	**NMRV-P063/110**	**NRV-P063/110**
11196	5.8	10	30	300	1.82	**2320**	**130**	**NMRV-P063/110**	**NRV-P063/110**
10488	4.4	10	40	400	1.32	**2320**	**130**	**NMRV-P063/110**	**NRV-P063/110**
10382	3.5	20	25	500	0.95	**2320**	**157**	**NMRV-P063/110**	**NRV-P063/110**
11196	2.9	20	30	600	0.96	**2320**	**157**	**NMRV-P063/110**	**NRV-P063/110**
11196	2.3	25	30	750	0.80	**2320**	**157**	**NMRV-P063/110**	**NRV-P063/110**
11196	1.9	30	30	900	0.70	**2320**	**157**	**NMRV-P063/110**	**NRV-P063/110**
11196	1.5	40	30	1200	0.55	**2320**	**157**	**NMRV-P063/110**	**NRV-P063/110**
11196	1.2	50	30	1500	0.47	**2320**	**157**	**NMRV-P063/110**	**NRV-P063/110**
11196	1.0	60	30	1800	0.41	**2320**	**157**	**NMRV-P063/110**	**NRV-P063/110**
10488	0.7	60	40	2400	0.30	**2320**	**157**	**NMRV-P063/110**	**NRV-P063/110**
9736	0.6	60	50	3000	0.23	**2320**	**157**	**NMRV-P063/110**	**NRV-P063/110**
9736	0.4	80	50	4000	0.19	**2320**	**157**	**NMRV-P063/110**	**NRV-P063/110**
9736	0.4	100	50	5000	0.17	**2320**	**157**	**NMRV-P063/110**	**NRV-P063/110**
8979	18	10	10	100	3.52	**3035**	**130**	**NMRV-P063/130**	**NRV-P063/130**
12637	12	10	15	150	3.52	**3035**	**130**	**NMRV-P063/130**	**NRV-P063/130**
14161	8.8	10	20	200	3.00	**3035**	**130**	**NMRV-P063/130**	**NRV-P063/130**
13542	7.0	10	25	250	2.36	**3035**	**130**	**NMRV-P063/130**	**NRV-P063/130**
15578	5.8	10	30	300	2.50	**3035**	**130**	**NMRV-P063/130**	**NRV-P063/130**
14603	4.4	10	40	400	1.84	**3035**	**130**	**NMRV-P063/130**	**NRV-P063/130**
13719	3.5	10	50	500	1.45	**3035**	**130**	**NMRV-P063/130**	**NRV-P063/130**
15578	2.9	20	30	600	1.32	**3035**	**157**	**NMRV-P063/130**	**NRV-P063/130**
15578	2.3	25	30	750	1.09	**3035**	**157**	**NMRV-P063/130**	**NRV-P063/130**
15578	1.9	30	30	900	0.96	**3035**	**157**	**NMRV-P063/130**	**NRV-P063/130**
15578	1.5	40	30	1200	0.76	**3035**	**157**	**NMRV-P063/130**	**NRV-P063/130**
15578	1.2	50	30	1500	0.64	**3035**	**157**	**NMRV-P063/130**	**NRV-P063/130**
15578	1.0	60	30	1800	0.57	**3035**	**157**	**NMRV-P063/130**	**NRV-P063/130**
14603	0.7	60	40	2400	0.42	**3035**	**157**	**NMRV-P063/130**	**NRV-P063/130**
13719	0.6	60	50	3000	0.33	**3035**	**157**	**NMRV-P063/130**	**NRV-P063/130**
13719	0.4	80	50	4000	0.27	**3035**	**157**	**NMRV-P063/130**	**NRV-P063/130**
13719	0.4	100	50	5000	0.24	**3035**	**157**	**NMRV-P063/130**	**NRV-P063/130**
16145	12	7.5	20	150	4.46	**4047**	**112**	**NMRV-P063/150**	**NRV-P063/150**
16627	8.8	10	20	200	3.52	**4047**	**130**	**NMRV-P063/150**	**NRV-P063/150**
18144	7.0	10	25	250	3.16	**4047**	**130**	**NMRV-P063/150**	**NRV-P063/150**
18543	5.8	15	20	300	2.70	**4047**	**145**	**NMRV-P063/150**	**NRV-P063/150**
23631	4.4	10	40	400	2.93	**4047**	**130**	**NMRV-P063/150**	**NRV-P063/150**
20622	3.5	10	50	500	2.18	**4047**	**130**	**NMRV-P063/150**	**NRV-P063/150**
23631	2.9	15	40	600	2.02	**4047**	**145**	**NMRV-P063/150**	**NRV-P063/150**
20622	2.3	15	50	750	1.50	**4047**	**145**	**NMRV-P063/150**	**NRV-P063/150**
18587	1.9	30	30	900	1.06	**4047**	**157**	**NMRV-P063/150**	**NRV-P063/150**

Maximum Torque **in-lbs**	Output Speed **RPM**	Ratio **Stage 1**	Ratio **Stage 2**	Total Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
						Output Shaft **lbs**	Input Shaft **lbs**	**Motorized Input**	**Shaft Input**
23631	1.5	30	40	1200	1.13	**4047**	**157**	**NMRV-P063/150**	**NRV-P063/150**
18587	1.0	60	30	1800	0.63	**4047**	**157**	**NMRV-P063/150**	**NRV-P063/150**
23631	0.7	60	40	2400	0.66	**4047**	**157**	**NMRV-P063/150**	**NRV-P063/150**
20622	0.6	60	50	3000	0.49	**4047**	**157**	**NMRV-P063/150**	**NRV-P063/150**
20622	0.4	80	50	4000	0.40	**4047**	**157**	**NMRV-P063/150**	**NRV-P063/150**
20622	0.4	100	50	5000	0.36	**4047**	**157**	**NMRV-P063/150**	**NRV-P063/150**

Double Worm Gear Reducer Ratings - Input Speed 1140 rpm

Maximum Torque **in-lbs**	Output Speed **RPM**	Ratio **Stage 1**	Ratio **Stage 2**	Total Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
						Output Shaft **lbs**	Input Shaft **lbs**	**Motorized Input**	**Shaft Input**
283	11	10	10	100	0.08	**390**	-	**NMRV025/030**	-
248	7.6	7.5	20	150	0.06	**411**	-	**NMRV025/030**	-
248	5.7	10	20	200	0.04	**411**	-	**NMRV025/030**	-
301	4.6	10	25	250	0.05	**411**	-	**NMRV025/030**	-
274	3.8	10	30	300	0.04	**411**	-	**NMRV025/030**	-
248	2.9	20	20	400	0.02	**411**	-	**NMRV025/030**	-
301	2.3	20	25	500	0.03	**411**	-	**NMRV025/030**	-
274	1.9	20	30	600	0.02	**411**	-	**NMRV025/030**	-
301	1.5	30	25	750	0.02	**411**	-	**NMRV025/030**	-
274	1.3	30	30	900	0.02	**411**	-	**NMRV025/030**	-
248	1.0	30	40	1200	0.01	**411**	-	**NMRV025/030**	-
230	0.8	30	50	1500	0.01	**411**	-	**NMRV025/030**	-
274	0.6	60	30	1800	0.01	**411**	-	**NMRV025/030**	-
248	0.5	60	40	2400	0.01	**411**	-	**NMRV025/030**	-
230	0.4	60	50	3000	0.01	**411**	-	**NMRV025/030**	-
177	0.3	50	80	4000	0.00	**411**	-	**NMRV025/030**	-
628	11	10	10	100	0.18	**750**	-	**NMRV025/040**	-
575	7.6	7.5	20	150	0.12	**784**	-	**NMRV025/040**	-
575	5.7	10	20	200	0.09	**784**	-	**NMRV025/040**	-
540	4.6	10	25	250	0.07	**784**	-	**NMRV025/040**	-
646	3.8	10	30	300	0.08	**784**	-	**NMRV025/040**	-
575	2.9	20	20	400	0.05	**784**	-	**NMRV025/040**	-
540	2.3	20	25	500	0.04	**784**	-	**NMRV025/040**	-
646	1.9	20	30	600	0.04	**784**	-	**NMRV025/040**	-
540	1.5	30	25	750	0.03	**784**	-	**NMRV025/040**	-
646	1.3	15	60	900	0.03	**784**	-	**NMRV025/040**	-
575	1.0	30	40	1200	0.02	**784**	-	**NMRV025/040**	-
531	0.8	30	50	1500	0.02	**784**	-	**NMRV025/040**	-
646	0.6	60	30	1800	0.02	**784**	-	**NMRV025/040**	-
575	0.5	60	40	2400	0.02	**784**	-	**NMRV025/040**	-
531	0.4	60	50	3000	0.01	**784**	-	**NMRV025/040**	-
425	0.3	50	80	4000	0.01	**784**	-	**NMRV025/040**	-
380	0.2	50	100	5000	0.01	**784**	-	**NMRV025/040**	-
628	11	10	10	100	0.18	**784**	**44**	**NMRV030/040**	**NRV030/040**
637	7.6	10	15	150	0.13	**785**	**44**	**NMRV030/040**	**NRV030/040**
575	5.7	10	20	200	0.09	**785**	**44**	**NMRV030/040**	**NRV030/040**
540	4.6	10	25	250	0.08	**785**	**44**	**NMRV030/040**	**NRV030/040**
646	3.8	10	30	300	0.08	**785**	**44**	**NMRV030/040**	**NRV030/040**
575	2.9	10	40	400	0.06	**785**	**44**	**NMRV030/040**	**NRV030/040**
540	2.3	20	25	500	0.04	**785**	**47**	**NMRV030/040**	**NRV030/040**
646	1.9	20	30	600	0.05	**785**	**47**	**NMRV030/040**	**NRV030/040**
646	1.5	25	30	750	0.04	**785**	**47**	**NMRV030/040**	**NRV030/040**
646	1.3	30	30	900	0.04	**785**	**47**	**NMRV030/040**	**NRV030/040**
646	1.0	40	30	1200	0.03	**785**	**47**	**NMRV030/040**	**NRV030/040**
646	0.8	50	30	1500	0.03	**785**	**47**	**NMRV030/040**	**NRV030/040**
646	0.6	60	30	1800	0.02	**785**	**47**	**NMRV030/040**	**NRV030/040**
575	0.5	60	40	2400	0.02	**785**	**47**	**NMRV030/040**	**NRV030/040**
531	0.4	60	50	3000	0.01	**785**	**47**	**NMRV030/040**	**NRV030/040**
425	0.3	50	80	4000	0.01	**785**	**47**	**NMRV030/040**	**NRV030/040**
380	0.2	50	100	5000	0.01	**785**	**47**	**NMRV030/040**	**NRV030/040**
1212	11	10	10	100	0.35	**1076**	**44**	**NMRV030/050**	**NRV030/050**
1194	7.6	10	15	150	0.25	**1088**	**44**	**NMRV030/050**	**NRV030/050**
1062	5.7	10	20	200	0.17	**1088**	**44**	**NMRV030/050**	**NRV030/050**
973	4.6	10	25	250	0.14	**1088**	**44**	**NMRV030/050**	**NRV030/050**
1283	3.8	10	30	300	0.16	**1088**	**44**	**NMRV030/050**	**NRV030/050**

Maximum Torque in-lbs	Output Speed RPM	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Power HP	OHL		Gear Reducer	
						Output Shaft lbs	Input Shaft lbs	Motorized Input	Shaft Input
1097	2.9	10	40	400	0.12	1088	44	NMRV030/050	NRV030/050
1062	2.3	10	50	500	0.10	1088	44	NMRV030/050	NRV030/050
1283	1.9	20	30	600	0.09	1088	47	NMRV030/050	NRV030/050
1283	1.5	25	30	750	0.08	1088	47	NMRV030/050	NRV030/050
1283	1.3	30	30	900	0.07	1088	47	NMRV030/050	NRV030/050
1283	1.0	40	30	1200	0.06	1088	47	NMRV030/050	NRV030/050
1283	0.8	50	30	1500	0.05	1088	47	NMRV030/050	NRV030/050
1283	0.6	60	30	1800	0.04	1088	47	NMRV030/050	NRV030/050
1097	0.5	60	40	2400	0.03	1088	47	NMRV030/050	NRV030/050
1062	0.4	60	50	3000	0.03	1088	47	NMRV030/050	NRV030/050
726	0.3	50	80	4000	0.02	1088	47	NMRV030/050	NRV030/050
699	0.2	50	100	5000	0.01	1088	47	NMRV030/050	NRV030/050
1212	11	10	10	100	0.34	1076	79	NMRV040/050	NRV040/050
1194	7.6	10	15	150	0.24	1088	79	NMRV040/050	NRV040/050
1062	5.7	10	20	200	0.17	1088	79	NMRV040/050	NRV040/050
973	4.6	10	25	250	0.13	1088	79	NMRV040/050	NRV040/050
1283	3.8	10	30	300	0.16	1088	79	NMRV040/050	NRV040/050
1097	2.9	10	40	400	0.11	1088	79	NMRV040/050	NRV040/050
1212	2.3	50	10	500	0.09	1076	79	NMRV040/050	NRV040/050
1283	1.9	20	30	600	0.09	1088	79	NMRV040/050	NRV040/050
1283	1.5	25	30	750	0.07	1088	79	NMRV040/050	NRV040/050
1194	1.3	60	15	900	0.06	1088	79	NMRV040/050	NRV040/050
1283	1.0	40	30	1200	0.05	1088	79	NMRV040/050	NRV040/050
1283	0.8	50	30	1500	0.04	1088	79	NMRV040/050	NRV040/050
1283	0.6	60	30	1800	0.04	1088	79	NMRV040/050	NRV040/050
1097	0.5	60	40	2400	0.03	1088	79	NMRV040/050	NRV040/050
1062	0.4	60	50	3000	0.02	1088	79	NMRV040/050	NRV040/050
1062	0.3	80	50	4000	0.02	1088	79	NMRV040/050	NRV040/050
1062	0.2	100	50	5000	0.02	1088	79	NMRV040/050	NRV040/050
1381	11	10	10	100	0.39	1407	44	NMRV-P030/063	NRV-P030/063
1930	7.6	10	15	150	0.39	1410	44	NMRV-P030/063	NRV-P030/063
2239	5.7	10	20	200	0.36	1410	44	NMRV-P030/063	NRV-P030/063
2044	4.6	10	25	250	0.28	1410	44	NMRV-P030/063	NRV-P030/063
2259	3.8	7.5	40	300	0.30	1410	39	NMRV-P030/063	NRV-P030/063
2259	2.9	10	40	400	0.23	1410	44	NMRV-P030/063	NRV-P030/063
2103	2.3	10	50	500	0.18	1410	44	NMRV-P030/063	NRV-P030/063
2531	1.9	20	30	600	0.18	1410	47	NMRV-P030/063	NRV-P030/063
2531	1.5	25	30	750	0.15	1410	47	NMRV-P030/063	NRV-P030/063
2531	1.3	30	30	900	0.13	1410	47	NMRV-P030/063	NRV-P030/063
2531	1.0	40	30	1200	0.11	1410	47	NMRV-P030/063	NRV-P030/063
2531	0.8	50	30	1500	0.10	1410	47	NMRV-P030/063	NRV-P030/063
2531	0.6	60	30	1800	0.09	1410	47	NMRV-P030/063	NRV-P030/063
2259	0.5	60	40	2400	0.06	1410	47	NMRV-P030/063	NRV-P030/063
2103	0.4	60	50	3000	0.05	1410	47	NMRV-P030/063	NRV-P030/063
2103	0.3	80	50	4000	0.04	1410	47	NMRV-P030/063	NRV-P030/063
1327	0.2	50	100	5000	0.03	1410	47	NMRV-P030/063	NRV-P030/063
2434	11	10	10	100	0.67	1407	79	NMRV-P040/063	NRV-P040/063
2404	7.6	10	15	150	0.47	1410	79	NMRV-P040/063	NRV-P040/063
2239	5.7	10	20	200	0.35	1410	79	NMRV-P040/063	NRV-P040/063
2044	4.6	10	25	250	0.27	1410	79	NMRV-P040/063	NRV-P040/063
2531	3.8	10	30	300	0.31	1410	79	NMRV-P040/063	NRV-P040/063
2259	2.9	10	40	400	0.23	1410	79	NMRV-P040/063	NRV-P040/063
2044	2.3	20	25	500	0.15	1410	79	NMRV-P040/063	NRV-P040/063
2531	1.9	20	30	600	0.16	1410	79	NMRV-P040/063	NRV-P040/063
2531	1.5	25	30	750	0.14	1410	79	NMRV-P040/063	NRV-P040/063
2531	1.3	30	30	900	0.12	1410	79	NMRV-P040/063	NRV-P040/063
2531	1.0	40	30	1200	0.10	1410	79	NMRV-P040/063	NRV-P040/063
2531	0.8	50	30	1500	0.08	1410	79	NMRV-P040/063	NRV-P040/063

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Maximum Torque **in-lbs**	Output Speed **RPM**	Ratio **Stage 1**	Ratio **Stage 2**	Total Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
						Output Shaft **lbs**	Input Shaft **lbs**	**Motorized Input**	**Shaft Input**
2531	0.6	60	30	1800	0.08	**1410**	**79**	**NMRV-P040/063**	**NRV-P040/063**
2259	0.5	60	40	2400	0.06	**1410**	**79**	**NMRV-P040/063**	**NRV-P040/063**
2103	0.4	60	50	3000	0.04	**1410**	**79**	**NMRV-P040/063**	**NRV-P040/063**
2103	0.3	80	50	4000	0.04	**1410**	**79**	**NMRV-P040/063**	**NRV-P040/063**
2103	0.2	100	50	5000	0.03	**1410**	**79**	**NMRV-P040/063**	**NRV-P040/063**
3216	11	10	10	100	0.88	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3766	7.6	10	15	150	0.72	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3716	5.7	10	20	200	0.57	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3359	4.6	10	25	250	0.43	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3970	3.8	10	30	300	0.46	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3664	2.9	10	40	400	0.34	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3257	2.3	10	50	500	0.27	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3970	1.9	20	30	600	0.25	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3970	1.5	25	30	750	0.20	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3970	1.3	30	30	900	0.19	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3970	1.0	40	30	1200	0.15	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3970	0.8	50	30	1500	0.13	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3970	0.6	60	30	1800	0.11	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3664	0.5	60	40	2400	0.08	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3257	0.4	60	50	3000	0.07	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3257	0.3	80	50	4000	0.06	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3257	0.2	100	50	5000	0.05	**1659**	**79**	**NMRV-P040/075**	**NRV-P040/075**
3298	11	10	10	100	0.88	**1838**	**79**	**NMRV-P040/090**	**NRV-P040/090**
4682	7.6	10	15	150	0.88	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
5399	5.7	10	20	200	0.79	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
5045	4.6	10	25	250	0.61	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
6196	3.8	10	30	300	0.68	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
5399	2.9	10	40	400	0.48	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
4956	2.3	10	50	500	0.38	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
6196	1.9	20	30	600	0.37	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
6196	1.5	25	30	750	0.30	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
6196	1.3	30	30	900	0.28	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
6196	1.0	40	30	1200	0.22	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
6196	0.8	50	30	1500	0.19	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
6196	0.6	60	30	1800	0.17	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
5399	0.5	60	40	2400	0.12	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
4956	0.4	60	50	3000	0.09	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
4956	0.3	80	50	4000	0.08	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
4956	0.2	100	50	5000	0.07	**1839**	**79**	**NMRV-P040/090**	**NRV-P040/090**
5222	11	10	10	100	1.36	**1838**	**110**	**NMRV-P050/090**	**NRV-P050/090**
5842	7.6	10	15	150	1.07	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
5399	5.7	10	20	200	0.77	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
5045	4.6	10	25	250	0.60	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
6196	3.8	10	30	300	0.66	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
5399	2.9	10	40	400	0.47	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
5045	2.3	20	25	500	0.33	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
6196	1.9	20	30	600	0.36	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
6196	1.5	25	30	750	0.30	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
6196	1.3	30	30	900	0.27	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
6196	1.0	40	30	1200	0.22	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
6196	0.8	50	30	1500	0.18	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
6196	0.6	60	30	1800	0.16	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
5399	0.5	60	40	2400	0.12	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
4956	0.4	60	50	3000	0.09	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
4956	0.3	80	50	4000	0.08	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
4956	0.2	100	50	5000	0.07	**1839**	**110**	**NMRV-P050/090**	**NRV-P050/090**
6134	11	10	10	100	1.59	**2320**	**110**	**NMRV-P050/110**	**NRV-P050/110**
8822	7.6	10	15	150	1.59	**2320**	**110**	**NMRV-P050/110**	**NRV-P050/110**

Maximum Torque in-lbs	Output Speed RPM	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Power HP	OHL		Gear Reducer	
						Output Shaft lbs	Input Shaft lbs	Motorized Input	Shaft Input
10081	5.7	10	20	200	1.40	2320	110	NMRV-P050/110	NRV-P050/110
10382	4.6	10	25	250	1.19	2320	110	NMRV-P050/110	NRV-P050/110
11196	3.8	10	30	300	1.21	2320	110	NMRV-P050/110	NRV-P050/110
10488	2.9	10	40	400	0.88	2320	110	NMRV-P050/110	NRV-P050/110
10382	2.3	20	25	500	0.65	2320	110	NMRV-P050/110	NRV-P050/110
11196	1.9	20	30	600	0.66	2320	110	NMRV-P050/110	NRV-P050/110
11196	1.5	25	30	750	0.55	2320	110	NMRV-P050/110	NRV-P050/110
11196	1.3	30	30	900	0.49	2320	110	NMRV-P050/110	NRV-P050/110
11196	1.0	40	30	1200	0.39	2320	110	NMRV-P050/110	NRV-P050/110
11196	0.8	50	30	1500	0.33	2320	110	NMRV-P050/110	NRV-P050/110
11196	0.6	60	30	1800	0.30	2320	110	NMRV-P050/110	NRV-P050/110
10488	0.5	60	40	2400	0.22	2320	110	NMRV-P050/110	NRV-P050/110
9736	0.4	60	50	3000	0.17	2320	110	NMRV-P050/110	NRV-P050/110
9736	0.3	80	50	4000	0.14	2320	110	NMRV-P050/110	NRV-P050/110
9736	0.2	100	50	5000	0.12	2320	110	NMRV-P050/110	NRV-P050/110
9975	11	10	10	100	2.58	2320	150	NMRV-P063/110	NRV-P063/110
10585	7.6	10	15	150	1.91	2320	150	NMRV-P063/110	NRV-P063/110
10081	5.7	10	20	200	1.40	2320	150	NMRV-P063/110	NRV-P063/110
10382	4.6	10	25	250	1.18	2320	150	NMRV-P063/110	NRV-P063/110
11196	3.8	10	30	300	1.20	2320	150	NMRV-P063/110	NRV-P063/110
10488	2.9	10	40	400	0.87	2320	150	NMRV-P063/110	NRV-P063/110
10382	2.3	20	25	500	0.63	2320	157	NMRV-P063/110	NRV-P063/110
11196	1.9	20	30	600	0.65	2320	157	NMRV-P063/110	NRV-P063/110
11196	1.5	25	30	750	0.53	2320	157	NMRV-P063/110	NRV-P063/110
11196	1.3	30	30	900	0.47	2320	157	NMRV-P063/110	NRV-P063/110
11196	1.0	40	30	1200	0.38	2320	157	NMRV-P063/110	NRV-P063/110
11196	0.8	50	30	1500	0.32	2320	157	NMRV-P063/110	NRV-P063/110
11196	0.6	60	30	1800	0.28	2320	157	NMRV-P063/110	NRV-P063/110
10488	0.5	60	40	2400	0.20	2320	157	NMRV-P063/110	NRV-P063/110
9736	0.4	60	50	3000	0.16	2320	157	NMRV-P063/110	NRV-P063/110
9736	0.3	80	50	4000	0.13	2320	157	NMRV-P063/110	NRV-P063/110
9736	0.2	100	50	5000	0.12	2320	157	NMRV-P063/110	NRV-P063/110
10218	11	10	10	100	2.65	3035	150	NMRV-P063/130	NRV-P063/130
14382	7.6	10	15	150	2.65	3035	150	NMRV-P063/130	NRV-P063/130
14161	5.7	10	20	200	1.98	3035	150	NMRV-P063/130	NRV-P063/130
13542	4.6	10	25	250	1.56	3035	150	NMRV-P063/130	NRV-P063/130
15578	3.8	10	30	300	1.65	3035	150	NMRV-P063/130	NRV-P063/130
14603	2.9	10	40	400	1.22	3035	150	NMRV-P063/130	NRV-P063/130
13719	2.3	10	50	500	0.96	3035	150	NMRV-P063/130	NRV-P063/130
15578	1.9	20	30	600	0.88	3035	157	NMRV-P063/130	NRV-P063/130
15578	1.5	25	30	750	0.73	3035	157	NMRV-P063/130	NRV-P063/130
15578	1.3	30	30	900	0.65	3035	157	NMRV-P063/130	NRV-P063/130
15578	1.0	40	30	1200	0.52	3035	157	NMRV-P063/130	NRV-P063/130
15578	0.8	50	30	1500	0.44	3035	157	NMRV-P063/130	NRV-P063/130
15578	0.6	60	30	1800	0.39	3035	157	NMRV-P063/130	NRV-P063/130
14603	0.5	60	40	2400	0.28	3035	157	NMRV-P063/130	NRV-P063/130
13719	0.4	60	50	3000	0.22	3035	157	NMRV-P063/130	NRV-P063/130
13719	0.3	80	50	4000	0.18	3035	157	NMRV-P063/130	NRV-P063/130
13719	0.2	100	50	5000	0.16	3035	157	NMRV-P063/130	NRV-P063/130
18516	7.6	7.5	20	150	3.36	4047	130	NMRV-P063/150	NRV-P063/150
18923	5.7	10	20	200	2.65	4047	150	NMRV-P063/150	NRV-P063/150
18144	4.6	10	25	250	2.09	4047	150	NMRV-P063/150	NRV-P063/150
20710	3.8	15	20	300	2.00	4047	157	NMRV-P063/150	NRV-P063/150
23631	2.9	10	40	400	1.94	4047	150	NMRV-P063/150	NRV-P063/150
20622	2.3	10	50	500	1.44	4047	150	NMRV-P063/150	NRV-P063/150
23631	1.9	15	40	600	1.34	4047	157	NMRV-P063/150	NRV-P063/150
20622	1.5	15	50	750	1.00	4047	157	NMRV-P063/150	NRV-P063/150
18587	1.3	30	30	900	0.72	4047	157	NMRV-P063/150	NRV-P063/150

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Maximum Torque **in-lbs**	Output Speed **RPM**	Ratio **Stage 1**	Ratio **Stage 2**	Total Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
						Output Shaft **lbs**	Input Shaft **lbs**	**Motorized Input**	**Shaft Input**
23631	1.0	30	40	1200	0.76	**4047**	**157**	**NMRV-P063/150**	**NRV-P063/150**
18587	0.6	60	30	1800	0.43	**4047**	**157**	**NMRV-P063/150**	**NRV-P063/150**
23631	0.5	60	40	2400	0.45	**4047**	**157**	**NMRV-P063/150**	**NRV-P063/150**
20622	0.4	60	50	3000	0.34	**4047**	**157**	**NMRV-P063/150**	**NRV-P063/150**
20622	0.3	80	50	4000	0.28	**4047**	**157**	**NMRV-P063/150**	**NRV-P063/150**
20622	0.2	100	50	5000	0.25	**4047**	**157**	**NMRV-P063/150**	**NRV-P063/150**

Double Worm Gear Reducer Ratings - Input Speed 875 rpm

Maximum Torque **in-lbs**	Output Speed **RPM**	Ratio **Stage 1**	Ratio **Stage 2**	Total Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
						Output Shaft **lbs**	Input Shaft **lbs**	**Motorized Input**	**Shaft Input**
283	8.8	10	10	100	0.06	**411**	-	**NMRV025/030**	-
248	5.8	7.5	20	150	0.04	**411**	-	**NMRV025/030**	-
248	4.4	10	20	200	0.03	**411**	-	**NMRV025/030**	-
301	3.5	10	25	250	0.04	**411**	-	**NMRV025/030**	-
274	2.9	10	30	300	0.03	**411**	-	**NMRV025/030**	-
248	2.2	20	20	400	0.02	**411**	-	**NMRV025/030**	-
301	1.8	20	25	500	0.02	**411**	-	**NMRV025/030**	-
274	1.5	20	30	600	0.02	**411**	-	**NMRV025/030**	-
301	1.2	30	25	750	0.02	**411**	-	**NMRV025/030**	-
274	1.0	30	30	900	0.01	**411**	-	**NMRV025/030**	-
248	0.7	30	40	1200	0.01	**411**	-	**NMRV025/030**	-
230	0.6	30	50	1500	0.01	**411**	-	**NMRV025/030**	-
274	0.5	60	30	1800	0.01	**411**	-	**NMRV025/030**	-
248	0.4	60	40	2400	0.01	**411**	-	**NMRV025/030**	-
230	0.3	60	50	3000	0.005	**411**	-	**NMRV025/030**	-
177	0.2	50	80	4000	0.003	**411**	-	**NMRV025/030**	-
628	8.8	10	10	100	0.14	**784**	-	**NMRV025/040**	-
575	5.8	7.5	20	150	0.09	**784**	-	**NMRV025/040**	-
575	4.4	10	20	200	0.07	**784**	-	**NMRV025/040**	-
540	3.5	10	25	250	0.06	**784**	-	**NMRV025/040**	-
646	2.9	10	30	300	0.06	**784**	-	**NMRV025/040**	-
575	2.2	20	20	400	0.04	**784**	-	**NMRV025/040**	-
540	1.8	20	25	500	0.03	**784**	-	**NMRV025/040**	-
646	1.5	20	30	600	0.03	**784**	-	**NMRV025/040**	-
540	1.2	30	25	750	0.02	**784**	-	**NMRV025/040**	-
646	1.0	15	60	900	0.03	**784**	-	**NMRV025/040**	-
575	0.7	30	40	1200	0.02	**784**	-	**NMRV025/040**	-
531	0.6	30	50	1500	0.02	**784**	-	**NMRV025/040**	-
646	0.5	60	30	1800	0.02	**784**	-	**NMRV025/040**	-
575	0.4	60	40	2400	0.01	**784**	-	**NMRV025/040**	-
531	0.3	60	50	3000	0.01	**784**	-	**NMRV025/040**	-
425	0.2	50	80	4000	0.01	**784**	-	**NMRV025/040**	-
380	0.2	50	100	5000	0.01	**784**	-	**NMRV025/040**	-
628	8.8	10	10	100	0.14	**784**	**47**	**NMRV030/040**	**NRV030/040**
637	5.8	10	15	150	0.10	**785**	**47**	**NMRV030/040**	**NRV030/040**
575	4.4	10	20	200	0.07	**785**	**47**	**NMRV030/040**	**NRV030/040**
540	3.5	10	25	250	0.06	**785**	**47**	**NMRV030/040**	**NRV030/040**
646	2.9	10	30	300	0.06	**785**	**47**	**NMRV030/040**	**NRV030/040**
575	2.2	10	40	400	0.05	**785**	**47**	**NMRV030/040**	**NRV030/040**
540	1.8	20	25	500	0.03	**785**	**47**	**NMRV030/040**	**NRV030/040**
646	1.5	20	30	600	0.04	**785**	**47**	**NMRV030/040**	**NRV030/040**
646	1.2	25	30	750	0.03	**785**	**47**	**NMRV030/040**	**NRV030/040**
646	1.0	30	30	900	0.03	**785**	**47**	**NMRV030/040**	**NRV030/040**
646	0.7	40	30	1200	0.02	**785**	**47**	**NMRV030/040**	**NRV030/040**
646	0.6	50	30	1500	0.02	**785**	**47**	**NMRV030/040**	**NRV030/040**
646	0.5	60	30	1800	0.02	**785**	**47**	**NMRV030/040**	**NRV030/040**
575	0.4	60	40	2400	0.01	**785**	**47**	**NMRV030/040**	**NRV030/040**
531	0.3	60	50	3000	0.01	**785**	**47**	**NMRV030/040**	**NRV030/040**
425	0.2	50	80	4000	0.01	**785**	**47**	**NMRV030/040**	**NRV030/040**
380	0.2	50	100	5000	0.01	**785**	**47**	**NMRV030/040**	**NRV030/040**
1212	8.8	10	10	100	0.27	**1076**	**47**	**NMRV030/050**	**NRV030/050**
1194	5.8	10	15	150	0.19	**1088**	**47**	**NMRV030/050**	**NRV030/050**
1062	4.4	10	20	200	0.14	**1088**	**47**	**NMRV030/050**	**NRV030/050**
973	3.5	10	25	250	0.11	**1088**	**47**	**NMRV030/050**	**NRV030/050**
1283	2.9	10	30	300	0.13	**1088**	**47**	**NMRV030/050**	**NRV030/050**

Maximum Torque in-lbs	Output Speed RPM	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Power HP	OHL		Gear Reducer	
						Output Shaft lbs	Input Shaft lbs	Motorized Input	Shaft Input
1097	2.2	10	40	400	0.09	1088	47	NMRV030/050	NRV030/050
1062	1.8	10	50	500	0.07	1088	47	NMRV030/050	NRV030/050
1283	1.5	20	30	600	0.07	1088	47	NMRV030/050	NRV030/050
1283	1.2	25	30	750	0.06	1088	47	NMRV030/050	NRV030/050
1283	1.0	30	30	900	0.06	1088	47	NMRV030/050	NRV030/050
1283	0.7	40	30	1200	0.05	1088	47	NMRV030/050	NRV030/050
1283	0.6	50	30	1500	0.04	1088	47	NMRV030/050	NRV030/050
1283	0.5	60	30	1800	0.04	1088	47	NMRV030/050	NRV030/050
1097	0.4	60	40	2400	0.03	1088	47	NMRV030/050	NRV030/050
1062	0.3	60	50	3000	0.02	1088	47	NMRV030/050	NRV030/050
726	0.2	50	80	4000	0.01	1088	47	NMRV030/050	NRV030/050
699	0.2	50	100	5000	0.01	1088	47	NMRV030/050	NRV030/050
1212	8.8	10	10	100	0.26	1076	79	NMRV040/050	NRV040/050
1194	5.8	10	15	150	0.19	1088	79	NMRV040/050	NRV040/050
1062	4.4	10	20	200	0.13	1088	79	NMRV040/050	NRV040/050
973	3.5	10	25	250	0.10	1088	79	NMRV040/050	NRV040/050
1283	2.9	10	30	300	0.12	1088	79	NMRV040/050	NRV040/050
1097	2.2	10	40	400	0.09	1088	79	NMRV040/050	NRV040/050
1212	1.8	50	10	500	0.08	1076	79	NMRV040/050	NRV040/050
1283	1.5	20	30	600	0.07	1088	79	NMRV040/050	NRV040/050
1283	1.2	25	30	750	0.06	1088	79	NMRV040/050	NRV040/050
1194	1.0	60	15	900	0.05	1088	79	NMRV040/050	NRV040/050
1283	0.7	40	30	1200	0.04	1088	79	NMRV040/050	NRV040/050
1283	0.6	50	30	1500	0.04	1088	79	NMRV040/050	NRV040/050
1283	0.5	60	30	1800	0.03	1088	79	NMRV040/050	NRV040/050
1097	0.4	60	40	2400	0.02	1088	79	NMRV040/050	NRV040/050
1062	0.3	60	50	3000	0.02	1088	79	NMRV040/050	NRV040/050
1062	0.2	80	50	4000	0.02	1088	79	NMRV040/050	NRV040/050
1062	0.2	100	50	5000	0.01	1088	79	NMRV040/050	NRV040/050
1451	8.8	10	10	100	0.32	1407	47	NMRV-P030/063	NRV-P030/063
2027	5.8	10	15	150	0.32	1410	47	NMRV-P030/063	NRV-P030/063
2239	4.4	10	20	200	0.28	1410	47	NMRV-P030/063	NRV-P030/063
2044	3.5	10	25	250	0.21	1410	47	NMRV-P030/063	NRV-P030/063
2258	2.9	7.5	40	300	0.23	1410	47	NMRV-P030/063	NRV-P030/063
2258	2.2	10	40	400	0.18	1410	47	NMRV-P030/063	NRV-P030/063
2102	1.8	10	50	500	0.14	1410	47	NMRV-P030/063	NRV-P030/063
2530	1.5	20	30	600	0.14	1410	47	NMRV-P030/063	NRV-P030/063
2530	1.2	25	30	750	0.12	1410	47	NMRV-P030/063	NRV-P030/063
2530	1.0	30	30	900	0.11	1410	47	NMRV-P030/063	NRV-P030/063
2530	0.7	40	30	1200	0.09	1410	47	NMRV-P030/063	NRV-P030/063
2530	0.6	50	30	1500	0.08	1410	47	NMRV-P030/063	NRV-P030/063
2530	0.5	60	30	1800	0.07	1410	47	NMRV-P030/063	NRV-P030/063
2258	0.4	60	40	2400	0.05	1410	47	NMRV-P030/063	NRV-P030/063
2102	0.3	60	50	3000	0.04	1410	47	NMRV-P030/063	NRV-P030/063
2102	0.2	80	50	4000	0.03	1410	47	NMRV-P030/063	NRV-P030/063
1327	0.2	50	100	5000	0.02	1410	47	NMRV-P030/063	NRV-P030/063
2433	8.8	10	10	100	0.52	1407	79	NMRV-P040/063	NRV-P040/063
2404	5.8	10	15	150	0.37	1410	79	NMRV-P040/063	NRV-P040/063
2239	4.4	10	20	200	0.27	1410	79	NMRV-P040/063	NRV-P040/063
2044	3.5	10	25	250	0.21	1410	79	NMRV-P040/063	NRV-P040/063
2530	2.9	10	30	300	0.24	1410	79	NMRV-P040/063	NRV-P040/063
2258	2.2	10	40	400	0.17	1410	79	NMRV-P040/063	NRV-P040/063
2044	1.8	20	25	500	0.11	1410	79	NMRV-P040/063	NRV-P040/063
2530	1.5	20	30	600	0.13	1410	79	NMRV-P040/063	NRV-P040/063
2530	1.2	25	30	750	0.11	1410	79	NMRV-P040/063	NRV-P040/063
2530	1.0	30	30	900	0.10	1410	79	NMRV-P040/063	NRV-P040/063
2530	0.7	40	30	1200	0.08	1410	79	NMRV-P040/063	NRV-P040/063
2530	0.6	50	30	1500	0.07	1410	79	NMRV-P040/063	NRV-P040/063

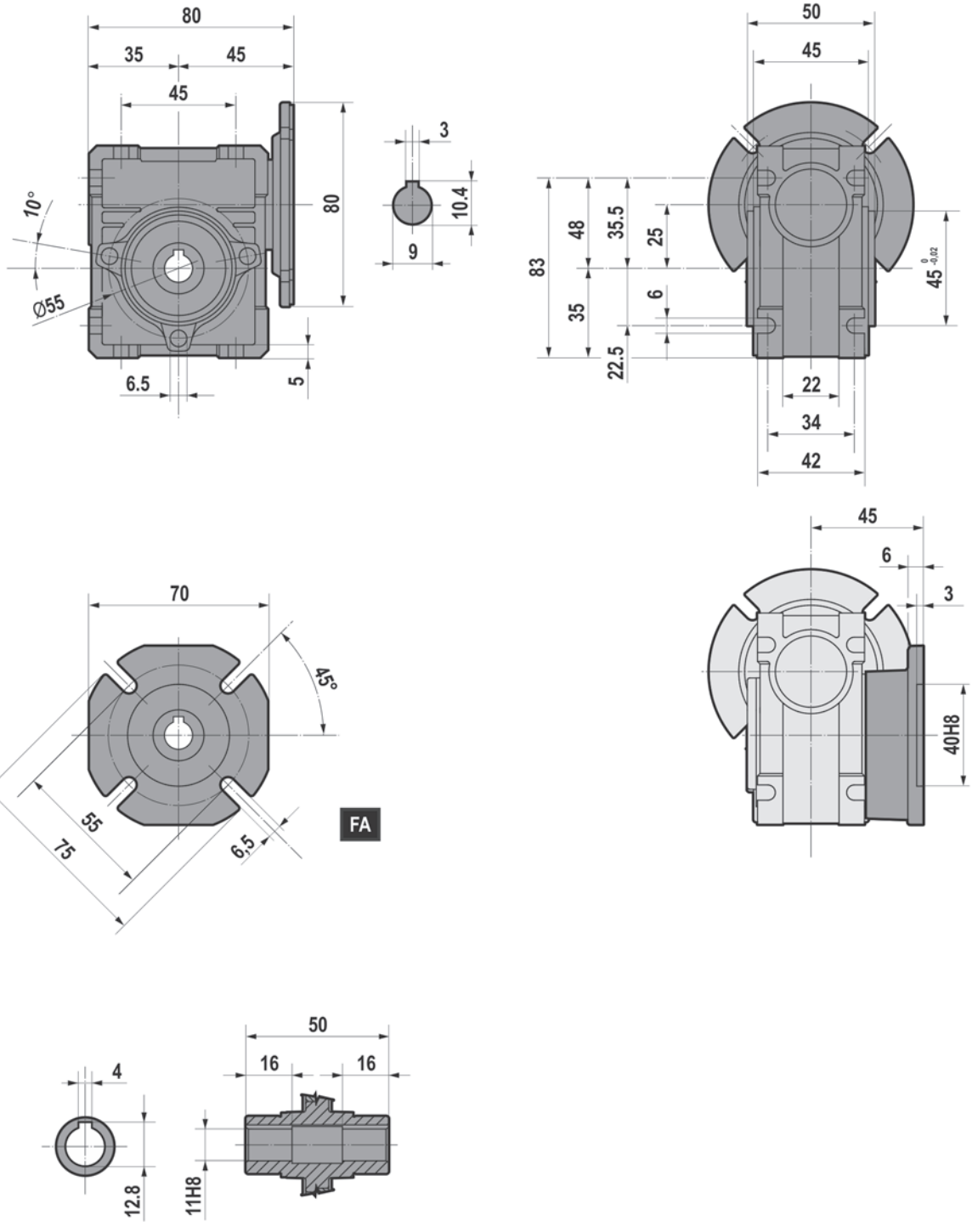
Maximum Torque in-lbs	Output Speed RPM	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Power HP	OHL		Gear Reducer	
						Output Shaft lbs	Input Shaft lbs	Motorized Input	Shaft Input
2530	0.5	60	30	1800	0.06	1410	79	NMRV-P040/063	NRV-P040/063
2258	0.4	60	40	2400	0.04	1410	79	NMRV-P040/063	NRV-P040/063
2102	0.3	60	50	3000	0.04	1410	79	NMRV-P040/063	NRV-P040/063
2102	0.2	80	50	4000	0.03	1410	79	NMRV-P040/063	NRV-P040/063
2102	0.2	100	50	5000	0.03	1410	79	NMRV-P040/063	NRV-P040/063
3358	8.8	10	10	100	0.71	1659	79	NMRV-P040/075	NRV-P040/075
3765	5.8	10	15	150	0.56	1659	79	NMRV-P040/075	NRV-P040/075
3715	4.4	10	20	200	0.44	1659	79	NMRV-P040/075	NRV-P040/075
3358	3.5	10	25	250	0.33	1659	79	NMRV-P040/075	NRV-P040/075
3969	2.9	10	30	300	0.36	1659	79	NMRV-P040/075	NRV-P040/075
3663	2.2	10	40	400	0.27	1659	79	NMRV-P040/075	NRV-P040/075
3256	1.8	10	50	500	0.21	1659	79	NMRV-P040/075	NRV-P040/075
3969	1.5	20	30	600	0.19	1659	79	NMRV-P040/075	NRV-P040/075
3969	1.2	25	30	750	0.16	1659	79	NMRV-P040/075	NRV-P040/075
3969	1.0	30	30	900	0.15	1659	79	NMRV-P040/075	NRV-P040/075
3969	0.7	40	30	1200	0.12	1659	79	NMRV-P040/075	NRV-P040/075
3969	0.6	50	30	1500	0.10	1659	79	NMRV-P040/075	NRV-P040/075
3969	0.5	60	30	1800	0.09	1659	79	NMRV-P040/075	NRV-P040/075
3663	0.4	60	40	2400	0.07	1659	79	NMRV-P040/075	NRV-P040/075
3256	0.3	60	50	3000	0.05	1659	79	NMRV-P040/075	NRV-P040/075
3256	0.2	80	50	4000	0.04	1659	79	NMRV-P040/075	NRV-P040/075
3256	0.2	100	50	5000	0.04	1659	79	NMRV-P040/075	NRV-P040/075
3443	8.8	10	10	100	0.71	1838	79	NMRV-P040/090	NRV-P040/090
4888	5.8	10	15	150	0.71	1839	79	NMRV-P040/090	NRV-P040/090
5397	4.4	10	20	200	0.61	1839	79	NMRV-P040/090	NRV-P040/090
5043	3.5	10	25	250	0.48	1839	79	NMRV-P040/090	NRV-P040/090
6194	2.9	10	30	300	0.53	1839	79	NMRV-P040/090	NRV-P040/090
5397	2.2	10	40	400	0.37	1839	79	NMRV-P040/090	NRV-P040/090
4955	1.8	10	50	500	0.30	1839	79	NMRV-P040/090	NRV-P040/090
6194	1.5	20	30	600	0.29	1839	79	NMRV-P040/090	NRV-P040/090
6194	1.2	25	30	750	0.24	1839	79	NMRV-P040/090	NRV-P040/090
6194	1.0	30	30	900	0.22	1839	79	NMRV-P040/090	NRV-P040/090
6194	0.7	40	30	1200	0.17	1839	79	NMRV-P040/090	NRV-P040/090
6194	0.6	50	30	1500	0.15	1839	79	NMRV-P040/090	NRV-P040/090
6194	0.5	60	30	1800	0.13	1839	79	NMRV-P040/090	NRV-P040/090
5397	0.4	60	40	2400	0.09	1839	79	NMRV-P040/090	NRV-P040/090
4955	0.3	60	50	3000	0.07	1839	79	NMRV-P040/090	NRV-P040/090
4955	0.2	80	50	4000	0.06	1839	79	NMRV-P040/090	NRV-P040/090
4955	0.2	100	50	5000	0.06	1839	79	NMRV-P040/090	NRV-P040/090
5220	8.8	10	10	100	1.05	1838	110	NMRV-P050/090	NRV-P050/090
5840	5.8	10	15	150	0.83	1839	110	NMRV-P050/090	NRV-P050/090
5397	4.4	10	20	200	0.60	1839	110	NMRV-P050/090	NRV-P050/090
5043	3.5	10	25	250	0.47	1839	110	NMRV-P050/090	NRV-P050/090
6194	2.9	10	30	300	0.52	1839	110	NMRV-P050/090	NRV-P050/090
5397	2.2	10	40	400	0.37	1839	110	NMRV-P050/090	NRV-P050/090
5043	1.8	20	25	500	0.26	1839	110	NMRV-P050/090	NRV-P050/090
6194	1.5	20	30	600	0.28	1839	110	NMRV-P050/090	NRV-P050/090
6194	1.2	25	30	750	0.24	1839	110	NMRV-P050/090	NRV-P050/090
6194	1.0	30	30	900	0.21	1839	110	NMRV-P050/090	NRV-P050/090
6194	0.7	40	30	1200	0.17	1839	110	NMRV-P050/090	NRV-P050/090
6194	0.6	50	30	1500	0.15	1839	110	NMRV-P050/090	NRV-P050/090
6194	0.5	60	30	1800	0.13	1839	110	NMRV-P050/090	NRV-P050/090
5397	0.4	60	40	2400	0.09	1839	110	NMRV-P050/090	NRV-P050/090
4955	0.3	60	50	3000	0.07	1839	110	NMRV-P050/090	NRV-P050/090
4955	0.2	80	50	4000	0.06	1839	110	NMRV-P050/090	NRV-P050/090
4955	0.2	100	50	5000	0.05	1839	110	NMRV-P050/090	NRV-P050/090
6593	8.8	10	10	100	1.33	2320	110	NMRV-P050/110	NRV-P050/110
9483	5.8	10	15	150	1.33	2320	110	NMRV-P050/110	NRV-P050/110

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Maximum Torque in-lbs	Output Speed RPM	Ratio Stage 1	Ratio Stage 2	Total Ratio i	Maximum Power HP	OHL		Gear Reducer	
						Output Shaft lbs	Input Shaft lbs	Motorized Input	Shaft Input
10078	4.4	10	20	200	1.09	2320	110	NMRV-P050/110	NRV-P050/110
10379	3.5	10	25	250	0.92	2320	110	NMRV-P050/110	NRV-P050/110
11193	2.9	10	30	300	0.94	2320	110	NMRV-P050/110	NRV-P050/110
10485	2.2	10	40	400	0.68	2320	110	NMRV-P050/110	NRV-P050/110
10379	1.8	20	25	500	0.51	2320	110	NMRV-P050/110	NRV-P050/110
11193	1.5	20	30	600	0.52	2320	110	NMRV-P050/110	NRV-P050/110
11193	1.2	25	30	750	0.43	2320	110	NMRV-P050/110	NRV-P050/110
11193	1.0	30	30	900	0.39	2320	110	NMRV-P050/110	NRV-P050/110
11193	0.7	40	30	1200	0.31	2320	110	NMRV-P050/110	NRV-P050/110
11193	0.6	50	30	1500	0.27	2320	110	NMRV-P050/110	NRV-P050/110
11193	0.5	60	30	1800	0.24	2320	110	NMRV-P050/110	NRV-P050/110
10485	0.4	60	40	2400	0.17	2320	110	NMRV-P050/110	NRV-P050/110
9733	0.3	60	50	3000	0.13	2320	110	NMRV-P050/110	NRV-P050/110
9733	0.2	80	50	4000	0.11	2320	110	NMRV-P050/110	NRV-P050/110
9733	0.2	100	50	5000	0.10	2320	110	NMRV-P050/110	NRV-P050/110
9972	8.8	10	10	100	2.01	2320	157	NMRV-P063/110	NRV-P063/110
10582	5.8	10	15	150	1.48	2320	157	NMRV-P063/110	NRV-P063/110
10078	4.4	10	20	200	1.09	2320	157	NMRV-P063/110	NRV-P063/110
10379	3.5	10	25	250	0.92	2320	157	NMRV-P063/110	NRV-P063/110
11193	2.9	10	30	300	0.94	2320	157	NMRV-P063/110	NRV-P063/110
10485	2.2	10	40	400	0.68	2320	157	NMRV-P063/110	NRV-P063/110
10379	1.8	20	25	500	0.50	2320	157	NMRV-P063/110	NRV-P063/110
11193	1.5	20	30	600	0.51	2320	157	NMRV-P063/110	NRV-P063/110
11193	1.2	25	30	750	0.42	2320	157	NMRV-P063/110	NRV-P063/110
11193	1.0	30	30	900	0.37	2320	157	NMRV-P063/110	NRV-P063/110
11193	0.7	40	30	1200	0.30	2320	157	NMRV-P063/110	NRV-P063/110
11193	0.6	50	30	1500	0.26	2320	157	NMRV-P063/110	NRV-P063/110
11193	0.5	60	30	1800	0.23	2320	157	NMRV-P063/110	NRV-P063/110
10485	0.4	60	40	2400	0.16	2320	157	NMRV-P063/110	NRV-P063/110
9733	0.3	60	50	3000	0.13	2320	157	NMRV-P063/110	NRV-P063/110
9733	0.2	80	50	4000	0.11	2320	157	NMRV-P063/110	NRV-P063/110
9733	0.2	100	50	5000	0.09	2320	157	NMRV-P063/110	NRV-P063/110
10967	8.8	10	10	100	2.21	3035	157	NMRV-P063/130	NRV-P063/130
15042	5.8	10	15	150	2.16	3035	157	NMRV-P063/130	NRV-P063/130
14157	4.4	10	20	200	1.54	3035	157	NMRV-P063/130	NRV-P063/130
13538	3.5	10	25	250	1.21	3035	157	NMRV-P063/130	NRV-P063/130
15573	2.9	10	30	300	1.28	3035	157	NMRV-P063/130	NRV-P063/130
14599	2.2	10	40	400	0.95	3035	157	NMRV-P063/130	NRV-P063/130
13715	1.8	10	50	500	0.75	3035	157	NMRV-P063/130	NRV-P063/130
15573	1.5	20	30	600	0.70	3035	157	NMRV-P063/130	NRV-P063/130
15573	1.2	25	30	750	0.57	3035	157	NMRV-P063/130	NRV-P063/130
15573	1.0	30	30	900	0.51	3035	157	NMRV-P063/130	NRV-P063/130
15573	0.7	40	30	1200	0.41	3035	157	NMRV-P063/130	NRV-P063/130
15573	0.6	50	30	1500	0.35	3035	157	NMRV-P063/130	NRV-P063/130
15573	0.5	60	30	1800	0.31	3035	157	NMRV-P063/130	NRV-P063/130
14599	0.4	60	40	2400	0.23	3035	157	NMRV-P063/130	NRV-P063/130
13715	0.3	60	50	3000	0.18	3035	157	NMRV-P063/130	NRV-P063/130
13715	0.2	80	50	4000	0.15	3035	157	NMRV-P063/130	NRV-P063/130
13715	0.2	100	50	5000	0.13	3035	157	NMRV-P063/130	NRV-P063/130
20040	5.8	7.5	20	150	2.81	4047	157	NMRV-P063/150	NRV-P063/150
20310	4.4	10	20	200	2.21	4047	157	NMRV-P063/150	NRV-P063/150
18139	3.5	10	25	250	1.62	4047	157	NMRV-P063/150	NRV-P063/150
20704	2.9	15	20	300	1.56	4047	157	NMRV-P063/150	NRV-P063/150
23624	2.2	10	40	400	1.51	4047	157	NMRV-P063/150	NRV-P063/150
20616	1.8	10	50	500	1.12	4047	157	NMRV-P063/150	NRV-P063/150
23624	1.5	15	40	600	1.04	4047	157	NMRV-P063/150	NRV-P063/150
20616	1.2	15	50	750	0.78	4047	157	NMRV-P063/150	NRV-P063/150
18581	1.0	30	30	900	0.57	4047	157	NMRV-P063/150	NRV-P063/150

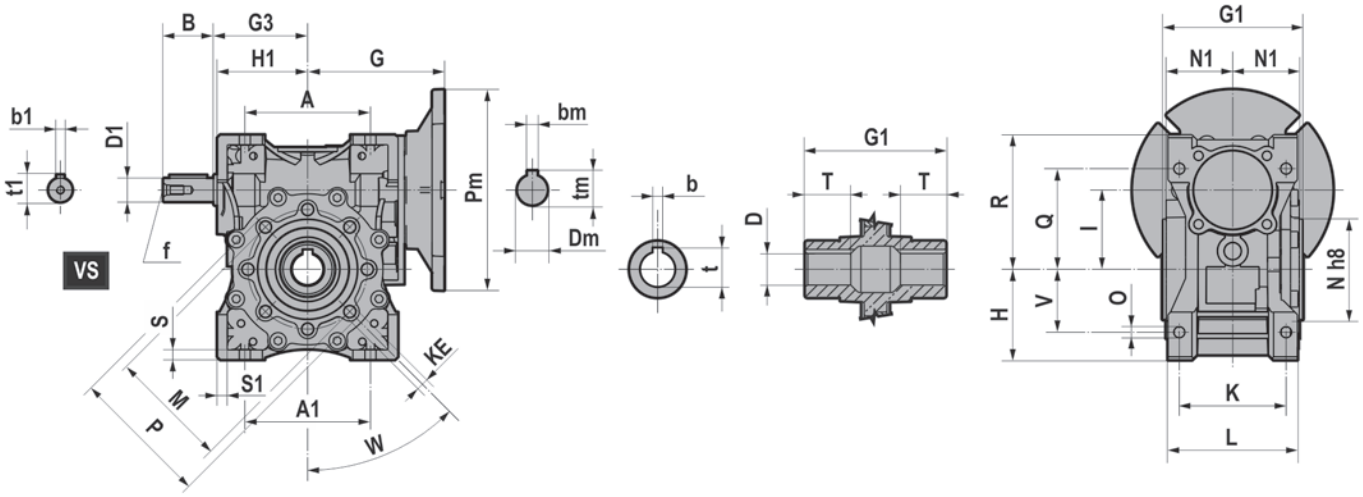
Maximum Torque **in-lbs**	Output Speed **RPM**	Ratio **Stage 1**	Ratio **Stage 2**	Total Ratio **i**	Maximum Power **HP**	OHL		Gear Reducer	
						Output Shaft **lbs**	Input Shaft **lbs**	**Motorized Input**	**Shaft Input**
23624	0.7	30	40	1200	0.60	**4047**	**157**	**NMRV-P063/150**	**NRV-P063/150**
18581	0.5	60	30	1800	0.34	**4047**	**157**	**NMRV-P063/150**	**NRV-P063/150**
23624	0.4	60	40	2400	0.36	**4047**	**157**	**NMRV-P063/150**	**NRV-P063/150**
20616	0.3	60	50	3000	0.27	**4047**	**157**	**NMRV-P063/150**	**NRV-P063/150**
20616	0.2	80	50	4000	0.23	**4047**	**157**	**NMRV-P063/150**	**NRV-P063/150**
20616	0.2	100	50	5000	0.20	**4047**	**157**	**NMRV-P063/150**	**NRV-P063/150**

NMRV 025 - Dimensions



- Weight without motor ~1.54 lb
- the above values are expressed in millimeters

NMRV/NMRV-P 030-150 - Dimensions



	025	030	040	050	063	075	090	110	130	150
A	1.77	2.13	2.76	3.15	3.94	4.72	5.51	6.69	7.87	9.45
A1	1.77	2.13	2.76	3.15	3.94	4.72	5.51	6.46 - 6.69	7.87	9.45
B	-	1.18	1.18	1.57	1.97	2.36	2.36	2.76	3.15	3.15
D	-	0.625	0.750	1.000	1.125	1.250	1.375	1.625	1.750	2.000
D1	-	0.375	0.500	0.625	0.750	0.875	0.875	1.125	1.250	1.375
G	-	2.64	3.15	3.54	4.82	5.51 (56C/140TC) 5.89 (180TC)	6.24 (56C/140TC) 6.63 (180TC)	6.24 (140TC) 7.15 (180TC)	7.60	8.46
G1	1.97	2.48	3.07	3.62	4.41	4.72	5.51	6.10	6.69	7.87
G3	-	1.77	2.09	2.52	2.95	3.54	4.25	5.31	6.10	6.89
H	1.38	1.57	1.97	2.36	2.83	3.39	4.06	5.02	5.81	6.69
H1	1.38	1.57	1.97	2.36	2.83	3.50	4.06	5.02	5.81	6.69
I	0.98	1.18	1.57	1.97	2.48	2.95	3.54	4.33	5.12	5.91
K	1.34	1.73	2.36	2.76	3.35	3.54 - 3.74	3.94	4.53	4.72	5.71
KE	6.5 n°3	M6*11 n°4	M6*11 n°4	M8*10 n°4	M8*14 n°8	M8*14 n°8	M10*18 n°8	M10*18 n°8	M12*21 n°8	M12*21 n°8
L	1.65	2.20	2.80	3.35	4.06	4.41	5.12	5.67	6.10	7.28
M	2.17	2.56	2.95	3.35	3.74	4.53	5.12	6.50	8.46	8.46
N	1.77	2.17	2.36	2.76	3.15	3.74	4.33	5.12	7.09	7.09
N1	0.89	1.14	1.44	1.71	2.09	2.24	2.64	2.91	3.19	3.78
O	0.24	0.26	0.26	0.33	0.33	0.43	0.51	0.55	0.63	0.71
P	-	2.95	3.43	3.94	4.33	5.16	6.30	7.87	9.84	9.84
Q	1.40	1.73	2.17	2.52	3.15	3.66	4.02	4.92	5.51	7.09
R	1.89	2.24	2.81	3.31	4.21	4.84	5.67	6.59	7.38	9.06
S	0.20	0.22	0.26	0.28	0.31	0.39	0.43	0.57	0.61	0.71
S1	0.20	0.22	0.26	0.28	0.31	0.51	0.43	0.57	0.61	0.71
T	0.63	0.83	1.02	1.18	1.42	1.57	1.77	1.97	2.36	2.85
V	0.89	1.06	1.38	1.57	1.97	2.36	2.76	3.23 - 3.35	3.94	4.72
W	0°	0°	45°	45°	45°	45°	45°	45°	45°	45°
b	-	0.1875	0.1875	0.250	0.250	0.250	0.3125	0.375	0.375	0.500
t	-	0.71	0.84	1.11	1.24	1.37	1.52	1.80	1.92	2.22
b1	-	0.09375	0.125	0.1875	0.1875	0.1875	0.1875	0.250	0.250	0.3125
t1	-	0.42	0.55	0.70	0.83	0.96	0.96	1.24	1.36	1.15
f	-	-	-	1/4-20	1/4-20	1/4-20	1/4-20	3/8-16	1/2-13	1/2-13
~lb	2	3	5	8	14	20	29	46	96	170

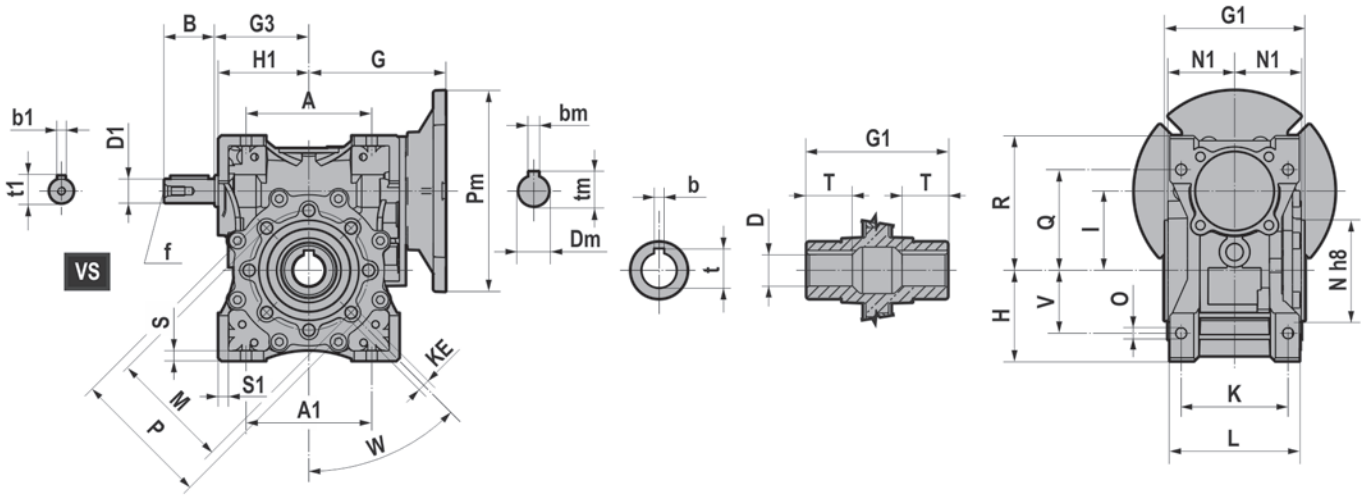
With lubricant | Without lubricant

(..) Only on request

Dimensions D have tolerance of +0.001 - 0
Dimensions D1 have tolerance of +0 - 0.0005

- For the dimensions concerning the motor connection area (Pm, Dm, bm, tm) please refer to the table shown at page 106.

NMRV/NMRV-P 030-150F Output Flange Style

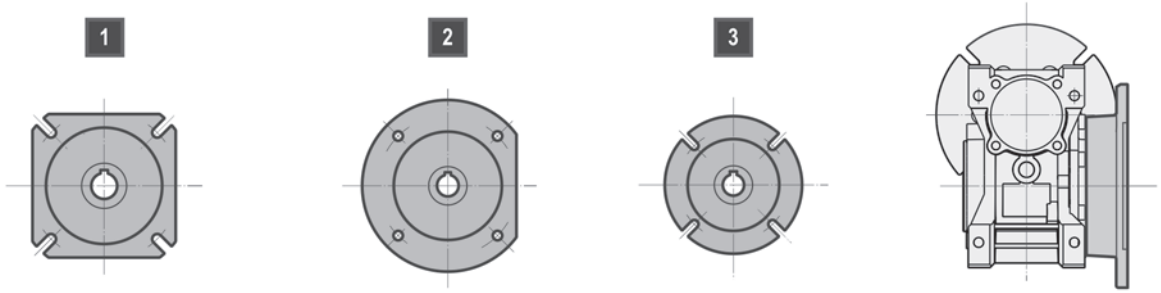


IEC input flange and metric shaft options

Dimensions are in mm

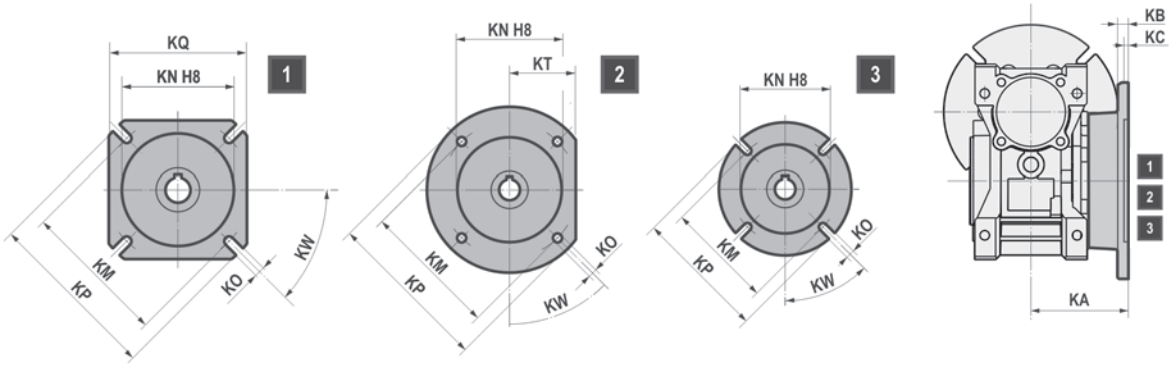
	025	030	040	050	063	075	090	110	130	150
D (H8)	11	14	18 (19)	25 (24)	25 (28)	28 (30) (32) (35)	35 (38) (40)	42	45	50
D1 (j6)	-	9	11	14	19	24	24	28	30	35
G	45	55	70	80	109	126.5	145	185.5 (input flange 132) 168 (input flange 80-112)	180	210
b	4	5	6 (6)	8 (8)	8 (8)	8 (8) (10) (10)	10 (10) (12)	12	14	14
t	12.8	16.3	20.8 (21.8)	28.3 (27.3)	28.3 (31.3)	31.3 (33.3) (35.3) (38.3)	38.3 (41.3) (43.3)	45.3	48.8	53.8
b1	-	3	4	5	6	8	8	8	8	10
t1	-	10.2	12.5	16	21.5	27	27	31	33	38
f	-	-	-	M6	M6	M8	M8	M10	M10	M12

NMRV/NMRV-P 030-150F Output Flange Style



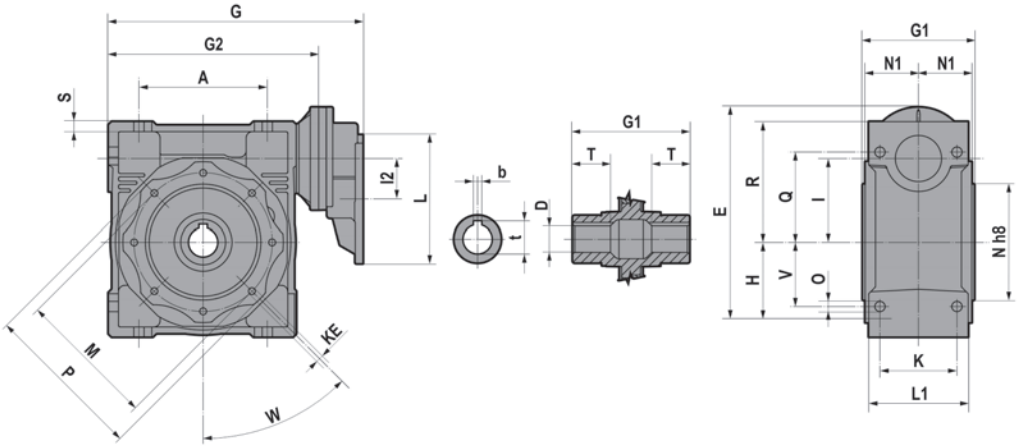
	030	040	050	063	075	090	110	130	150
FA	1	1	1	1	1	1	1	1	1
FB	-	1	1	1	3	2	1	-	-
FC	-	2	2	2	-	3	-	-	-
FD	-	2	2	2	-	1	-	-	-
FE	-	-	-	3	-	-	-	-	-

NMRV/NMRV-P030-150F - Dimensions



		025	030	040	050	063	075	090	110	130	150
FA	KA	1.77	2.15	2.64	3.54	3.23	4.37	4.37	5.16	5.51	6.10
	KB	0.24	0.24	0.28	0.35	0.39	0.51	0.51	0.59	0.59	0.59
	KC	0.12	0.16	0.16	0.20	0.24	0.24	0.24	0.24	0.24	0.24
	KN	1.57	1.97	2.36	2.76	4.53	5.12	5.98	6.69	7.09	7.09
	KM	2.17	2.68	3.15 min	3.54 min	5.91	6.50	6.89	9.06	10.04	10.04
	KO	0.26 (n°4)	0.26 (n°4)	0.35 (n°4)	0.43 (n°4)	0.43 (n°4)	0.55 (n°4)	0.55 (n°4)	0.55 (n°8)	0.63 (n°8)	0.63 (n°8)
	KP	2.95	3.15	4.33	4.92	7.09	7.87	8.27	11.02	12.60	12.60
	KQ	2.76	2.76	3.74	4.33	5.59	6.69	7.87	10.24	11.42	11.42
	KW	45°	45°	45°	45°	45°	45°	45°	45°	22.5°	22.5°
FB	KA	-	-	3.82	4.72	4.41	3.54	4.80	7.09	-	-
	KB	-	-	0.28	0.35	0.39	0.51	0.71	0.59	-	-
	KC	-	-	0.16	0.20	0.24	0.24	0.24	0.24	-	-
	KN	-	-	2.36	2.76	4.53	4.33	7.09	6.69	-	-
	KM	-	-	3.15 min	3.54 min	5.91	5.12	8.46	9.06	-	-
	KO	-	-	0.35 (n°4)	0.43 (n°4)	0.43 (n°4)	0.55 (n°4)	0.55 (n°4)	0.55 (n°8)	-	-
	KP	-	-	4.33	4.92	7.09	6.30	9.84	11.02	-	-
	KQ	-	-	3.74	4.33	5.59	-	-	10.24	-	-
	KT	-	-	-	-	-	-	4.13	-	-	-
	KW	-	-	45°	45°	45°	45°	45°	45°	-	-
FC	KA	-	-	3.15	3.50	3.86	-	4.33	-	-	-
	KB	-	-	0.35	0.39	0.39	-	0.67	-	-	-
	KC	-	-	0.20	0.20	0.20	-	0.24	-	-	-
	KN	-	-	3.74	4.33	5.12	-	5.12	-	-	-
	KM	-	-	4.53	5.12	6.50	-	6.50	-	-	-
	KO	-	-	0.37 (n°4)	0.37 (n°4)	0.43 (n°4)	-	0.43 (n°4)	-	-	-
	KP	-	-	5.51	6.30	7.87	-	7.87	-	-	-
	KT	-	-	2.20	2.60	3.15	-	-	-	-	-
	KW	-	-	45°	45°	45°	-	45°	-	-	-
FD	KA	-	-	2.28	2.83	4.21	-	5.94	-	-	-
	KB	-	-	0.47	0.57	0.39	-	0.51	-	-	-
	KC	-	-	0.20	0.20	0.20	-	0.24	-	-	-
	KN	-	-	3.15	3.74	5.12	-	5.98	-	-	-
	KM	-	-	3.94	4.53	6.50	-	6.89	-	-	-
	KO	-	-	0.35 (n°4)	0.43 (n°4)	0.43 (n°4)	-	0.55 (n°4)	-	-	-
	KP	-	-	4.72	5.51	7.87	-	8.27	-	-	-
	KQ	-	-	-	-	-	-	7.87	-	-	-
	KT	-	-	1.97	2.36	-	-	-	-	-	-
	KW	-	-	45°	45°	45°	-	45°	-	-	-
FE	KA	-	-	-	-	3.17	-	-	-	-	-
	KB	-	-	-	-	0.65	-	-	-	-	-
	KC	-	-	-	-	0.20	-	-	-	-	-
	KN	-	-	-	-	4.33	-	-	-	-	-
	KM	-	-	-	-	5.12	-	-	-	-	-
	KO	-	-	-	-	0.43 (n°4)	-	-	-	-	-
	KP	-	-	-	-	6.30	-	-	-	-	-
	KW	-	-	-	-	45°	-	-	-	-	-

PC+NMRV - Dimensions



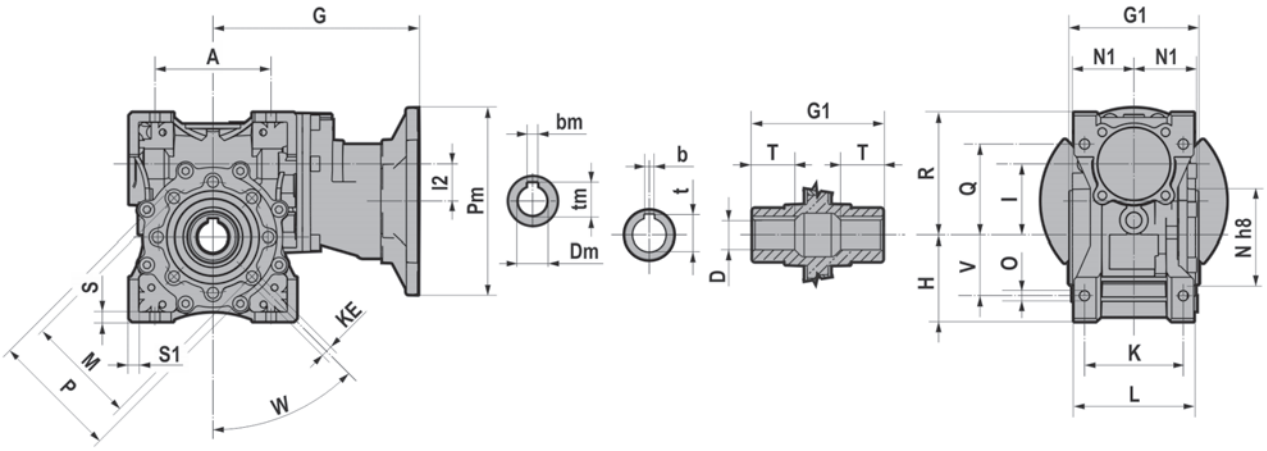
	PC063+NMRV		PC071+NMRV	PC080 / PC090+NMRV
	040	050	050	130
A	2.76	3.15	3.15	7.87
E	5.79	6.57	6.99	14.07
G	6.50	7.28	7.60	15.61
G1	3.07	3.62	3.62	6.69
G2	4.72	5.51	5.51	12.89
H	1.97	2.36	2.36	5.81
I	1.57	1.97	1.97	5.12
I2	1.57	1.57	1.97	2.48
L	5.51	5.51	6.30	7.87
L1	2.80	3.35	3.35	6.10
K	2.36	2.76	2.76	4.72
KE	M6*11(4)	M8*10(4)	M8*10(4)	M12*21(8)
M	2.95	3.35	3.35	8.46
N	2.36	2.76	2.76	7.09
N1	1.44	1.71	1.71	3.19
O	0.26	0.33	0.33	0.63
P	3.43	3.94	3.94	9.84
Q	2.17	2.52	2.52	5.51
R	2.81	3.31	3.31	7.38
S	0.26	0.28	0.28	0.61
T	1.02	1.18	1.18	2.36
V	1.38	1.57	1.57	3.94
W	45°	45°	45°	45°
D	0.750	1.000	1.000	1.750
b	0.1875	0.250	0.250	0.375
t	0.84	1.11	1.11	1.92
~lb	8	10	11	113

IEC input flange and metric shaft options

	40	50	130
D (H8)	18 (19)	25 (24)	45
b	6 (6)	8 (8)	14
t	20.8 (21.8)	28.3 (27.3)	48.8

- For all other dimensions, please consider the drawing of relevant NMRV size.
- **~lb** Weight without motor

NMRVpower/HW - Dimensions



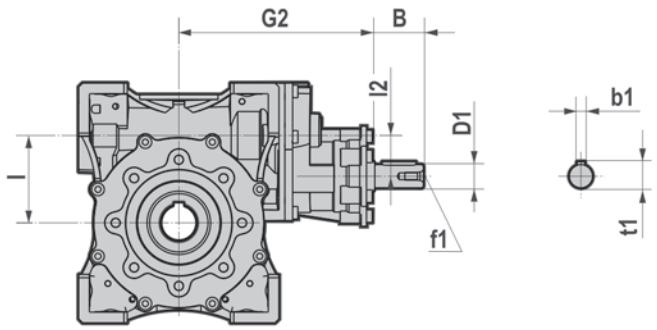
	HW030		HW040	
	56C/140TC		56C/140TC/180TC	
	NMRVpower 063	NMRVpower 075	NMRVpower 090	NMRVpower 110
A	3.94	4.72	5.51	6.69
G	7.48	8.17	9.11	10.02 (56C/140TC) 10.40 (180TC)
G1	4.41	4.72	5.51	6.10
H	2.83	3.39	4.06	5.02
I	2.48	2.95	3.54	4.33
I2	1.26	1.26	1.65	1.65
L	4.06	4.41	5.12	5.67
K	3.35	3.54 - 3.74	3.94	4.53
KE	M8*14(8)	M8*14(8)	M10*18(8)	M10*18(8)
M	3.74	4.53	5.12	6.50
N	3.15	3.74	4.33	5.12
N1	2.09	2.20	2.64	2.91
O	0.33	0.43	0.51	0.55
P	4.33	5.16	5.98	7.40
Q	3.15	3.66	4.02	4.92
R	4.21	4.84	5.67	6.59
S	0.31	0.39	0.43	0.63
S1	0.31	0.51	0.43	0.63
T	1.42	1.57	1.77	1.97
V	1.97	2.36	2.76	3.35
W	45°	45°	45°	45°
D	1.125	1.250	1.375	1.625
b	0.250	0.250	0.3125	0.375
t	1.24	1.37	1.52	1.80
~lb	16	22	32	54

IEC input flange and metric shaft options

	HW030		HW040	
	056/063/071/080		063/071/080/090	
	NMRVpower 063	NMRVpower 075	NMRVpower 090	NMRVpower 110
G	176.5 mm	194 mm	218 mm	241 mm
D (H8)	25 (28) mm	28 (35) mm	35 mm	42 mm
b	8 (8) mm	8 (10) mm	10 mm	12 mm
t	28.3 (31.3) mm	31.3 (38.3) mm	38.3 mm	45.3 mm

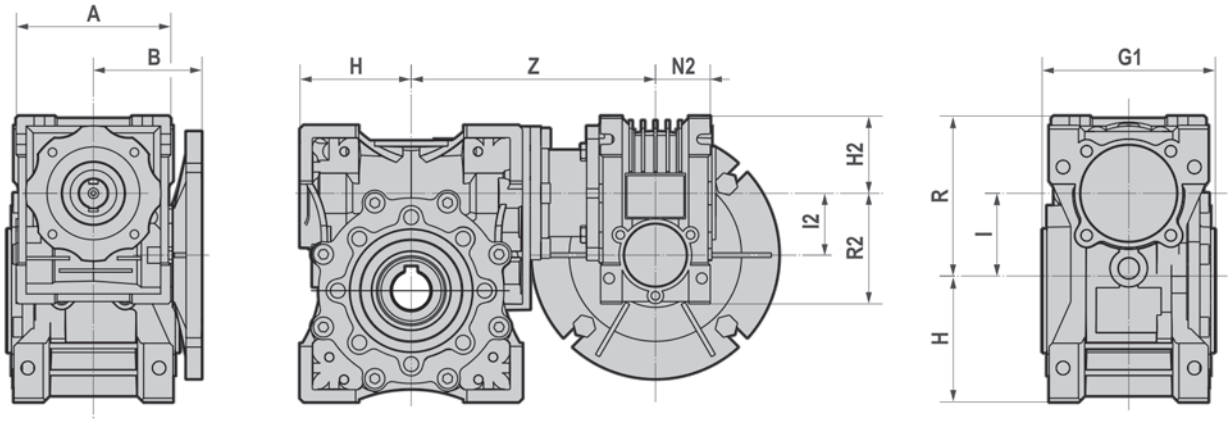
- For the dimensions concerning the motor connection area (Pm, Dm, bm, tm) please refer to the table shown at page 106.
- For all other dimensions, please consider the drawing of relevant NMRV size.
- **~lb** Weight without motor

NMRVpower/IHW - Dimensions



IHW040	B	G2	I	I2	D1	b1	t1	f1	~lb
NMRVpower 090	1.57	8.05	3.54	1.65	19 mm j6	6 mm	21.5 mm	M6	32
NMRVpower 110	1.97	8.96	4.33	1.65	24 mm j6	8 mm	27 mm	M8	54

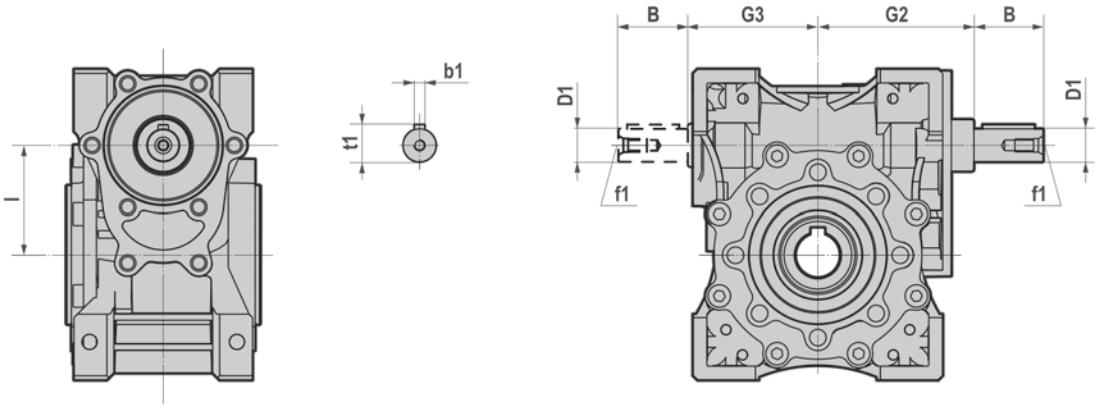
NMRV+NMRV - NMRV+NMRVpower - Dimensions



	A	B	G1	H	I	R	H2	I2	N2	R2	Z	~lb
025-030	2.76	1.77	2.48	1.57	1.18	2.24	1.38	0.98	0.89	1.89	4.53	4
025-040	2.76	1.77	3.07	1.97	1.57	2.81	1.38	0.98	0.89	1.89	4.53	7
030-040	3.15	2.17	3.07	1.97	1.57	2.81	1.57	1.18	1.14	2.24	4.80	8
030-050	3.15	2.17	3.62	2.36	1.97	3.31	1.57	1.18	1.14	2.24	5.20	10
030-063	3.15	2.17	4.41	2.83	2.48	4.21	1.57	1.18	1.14	2.24	5.91	16
040-050	3.94	2.76	3.62	2.36	1.97	3.31	1.97	1.57	1.44	2.81	5.53	13
040-063	3.94	2.76	4.41	2.83	2.48	4.21	1.97	1.57	1.44	2.81	6.34	19
040-075	3.94	2.76	4.72	3.50	2.95	4.84	1.97	1.57	1.44	2.81	7.03	25
040-090	3.94	2.76	5.51	4.06	3.54	5.67	1.97	1.57	1.44	2.81	7.76	34
050-075	4.72	3.15	4.72	3.50	2.95	4.84	2.36	1.97	1.71	3.31	7.70	28
050-090	4.72	3.15	5.51	4.06	3.54	5.67	2.36	1.97	1.71	3.31	8.43	36
050-110	4.72	3.15	6.10	5.02	4.33	6.59	2.36	1.97	1.71	3.31	9.33	54
063-075	5.67	4.29	4.72	3.50	2.95	4.84	2.83	2.48	2.09	4.21	7.70	34
063-090	5.67	4.29	5.51	4.06	3.54	5.67	2.83	2.48	2.09	4.21	8.43	42
063-110	5.67	4.29	6.10	5.02	4.33	6.59	2.83	2.48	2.09	4.21	9.33	60
063-130	5.67	4.29	6.69	5.81	5.12	7.38	2.83	2.48	2.09	4.21	9.65	119
063-150	5.67	4.29	7.87	6.69	5.91	9.06	2.83	2.48	2.09	4.21	10.83	199

- **~lb** Weight without motor

NRV - NRVpower - Dimensions



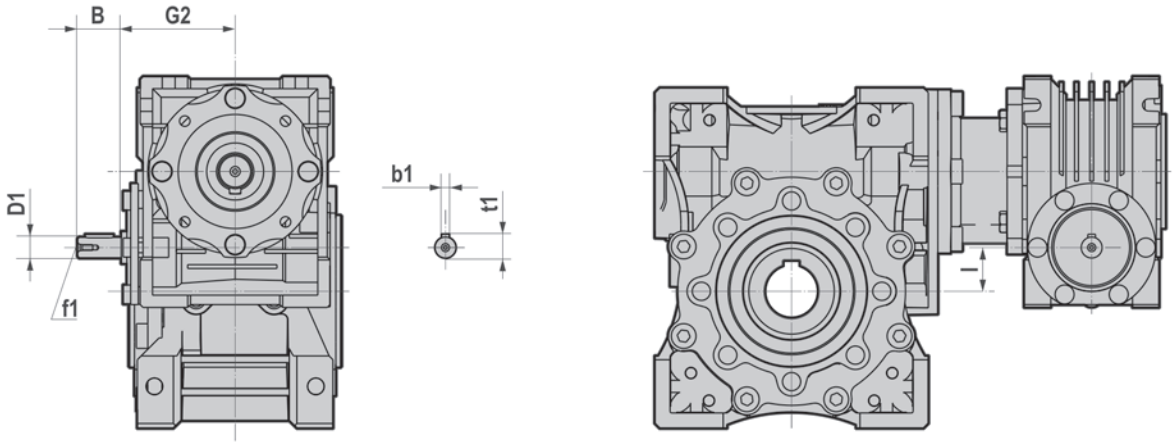
NRV-P	030	040	050	063	075	090	110	130	150
B	1.181	1.181	1.575	1.969	2.362	2.362	2.756	3.150	3.150
D1	0.375	0.500	0.625	0.750	0.875	0.875	1.125	1.250	1.375
G2	2.01	2.36	2.91	3.54	4.13	4.92	5.59	6.38	7.68
G3	1.77	2.09	2.52	2.95	3.54	4.25	5.31	6.10	6.89
I	1.18	1.57	1.97	2.48	2.95	3.54	4.33	5.12	5.91
b1	0.094	0.125	0.188	0.188	0.188	0.188	0.250	0.250	0.315
f1	-	-	1/4-20	1/4-20	1/4-20	1/4-20	3/8-16	1/2-13	1/2-13
t1	0.42	0.55	0.70	0.83	0.96	0.96	1.24	1.36	1.51

D1 dimension has tolerance of +0 -0.0005

Metric input shaft options

NRV-P	030	040	050	063	075	090	110	130	150
B	20 mm	23 mm	30 mm	40 mm	50 mm	50 mm	60 mm	80 mm	80 mm
D1 (j6)	9 mm	11 mm	14 mm	19 mm	24 mm	24 mm	28 mm	30 mm	35 mm
b1	3 mm	4 mm	5 mm	6 mm	8 mm	8 mm	8 mm	8 mm	10 mm
f1	-	-	M6	M6	M8	M8	M10	M10	M12
t1	10.2 mm	12.5 mm	16 mm	21.5 mm	27 mm	27 mm	31 mm	33 mm	38 mm

NRV+NMRV - NRV+NMRVpower - Dimensions



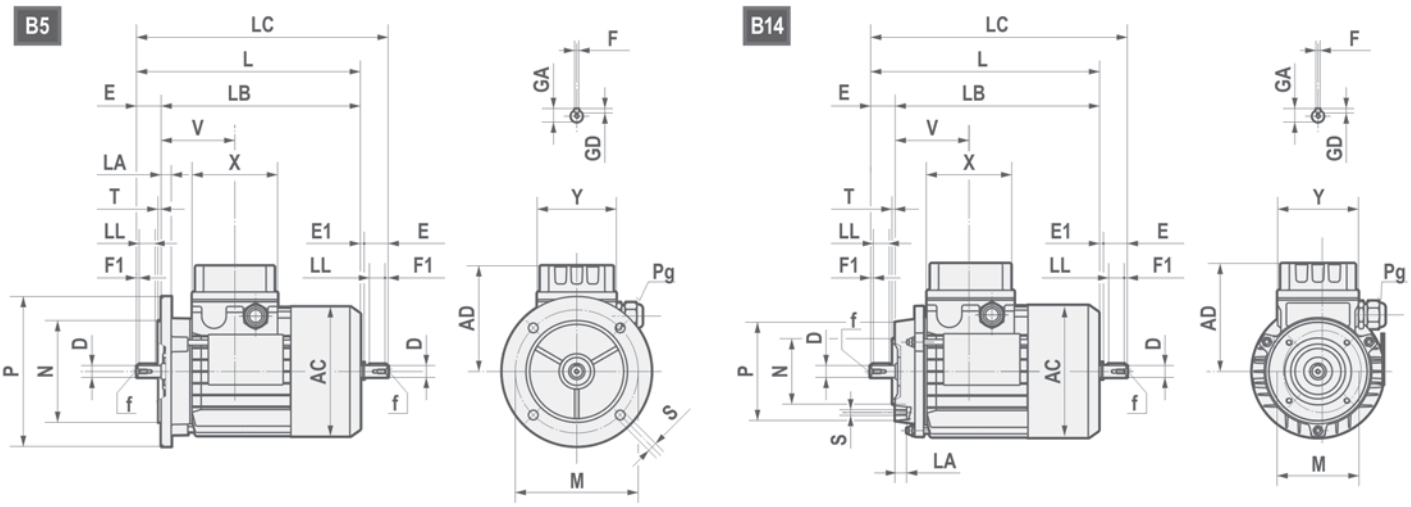
	030-040	030-050	030-063	040-050	040-063	040-075	040-090	050-090	050-110	063-110	063-130	063-150
B	1.181	1.181	1.181	1.181	1.181	1.181	1.181	1.575	1.575	1.969	1.969	1.969
D1	0.375	0.375	0.375	0.500	0.500	0.500	0.500	0.625	0.625	0.750	0.750	0.750
G2	2.01	2.01	2.01	2.36	2.36	2.36	2.36	2.91	2.91	3.54	3.54	3.54
l	0.39	0.78	1.30	0.39	0.91	1.38	1.97	1.57	2.36	1.85	2.64	3.43
b1	0.094	0.094	0.094	0.125	0.125	0.125	0.125	0.188	0.188	0.188	0.188	0.188
f1	-	-	-	-	-	-	-	1/4-20	1/4-20	1/4-20	1/4-20	1/4-20
t1	0.42	0.42	0.42	0.55	0.55	0.55	0.55	0.70	0.70	0.83	0.83	0.83

- For the missing dimensions, please consider the drawing of relevant NMRV size.

Metric input shaft options

	030-040	030-050	030-063	040-050	040-063	040-075	040-090	050-090	050-110	063-110	063-130	063-150
B	20 mm	20 mm	20 mm	23 mm	23 mm	23 mm	23 mm	30 mm	30 mm	40 mm	40 mm	40 mm
D1 (j6)	9 mm	9 mm	9 mm	11 mm	11 mm	11 mm	11 mm	14 mm	14 mm	19 mm	19 mm	19 mm
b1	3 mm	3 mm	3 mm	4 mm	4 mm	4 mm	4 mm	5 mm	5 mm	6 mm	6 mm	6 mm
f1	-	-	-	-	-	-	-	M6	M6	M6	M6	M6
t1	10.2 mm	10.2 mm	10.2 mm	12.5 mm	12.5 mm	12.5 mm	12.5 mm	16 mm	16 mm	21.5 mm	21.5 mm	21.5 mm

Electric motors



	AC	AD	L	LB	LC	X	Y	V	D	E	E1	f	F1	GA	F	GD	LL	Pg		
																			ø min	ø max
63	121 mm	103.5 mm	211 mm	188 mm	235.5 mm	80 mm	74 mm	69 mm	11 mm j6	23 mm	1.5 mm	M4x10 mm	2.5 mm	12.5 mm	4 mm	4 mm	15 mm	M16x1.5 mm	5 mm	10 mm
71	139 mm	112 mm	238.5 mm	208.5 mm	271 mm	80 mm	74 mm	74.5 mm	14 mm j6	30 mm	2.5 mm	M5x12.5 mm	3 mm	16 mm	5 mm	5 mm	20 mm	M20x1.5 mm	6 mm	12 mm
80	158 mm	121.5 mm	272.5 mm	232.5 mm	314 mm	80 mm	74 mm	78 mm	19 mm j6	40 mm	1.5 mm	M6x16 mm	5 mm	21.5 mm	6 mm	6 mm	30 mm	M20x1.5 mm	6 mm	12 mm
90S	173 mm	129.5 mm	298 mm	248 mm	349.5 mm	98 mm	98 mm	89.5 mm	24 mm j6	50 mm	1.5 mm	M8x19 mm	5 mm	27 mm	8 mm	7 mm	35 mm	M25x1.5 mm	13 mm	18 mm
90L	173 mm	129.5 mm	323 mm	273 mm	374.5 mm	98 mm	98 mm	89.5 mm	24 mm j6	50 mm	1.5 mm	M8x19 mm	5 mm	27 mm	8 mm	7 mm	35 mm	M25x1.5 mm	13 mm	18 mm
100	191 mm	138.5 mm	368 mm	308 mm	431.5 mm	98 mm	98 mm	97.5 mm	28 mm j6	60 mm	3.5 mm	M10x22 mm	7.5 mm	31 mm	8 mm	7 mm	45 mm	M25x1.5 mm	13 mm	18 mm
112	210.5 mm	153.5 mm	382.5 mm	322.5 mm	447 mm	98 mm	98 mm	100 mm	28 mm j6	60 mm	3.5 mm	M10x22 mm	7.5 mm	31 mm	8 mm	7 mm	45 mm	M25x1.5 mm	13 mm	18 mm
132S	248.5 mm	195 mm	452 mm	372 mm	536.5 mm	118 mm	118 mm	115.5 mm	38 mm k6	80 mm	4 mm	M12x28 mm	10 mm	41 mm	10 mm	8 mm	60 mm	M32x1.5 mm	18 mm	25 mm
132L	248.5 mm	195 mm	490 mm	410 mm	574.5 mm	118 mm	118 mm	115.5 mm	38 mm k6	80 mm	4 mm	M12x28 mm	10 mm	41 mm	10 mm	8 mm	60 mm	M32x1.5 mm	18 mm	25 mm

B5	M	N	P	LA	S	T
63	115 mm	95 mm	140 mm	10 mm	9 mm	3 mm
71	130 mm	110 mm	160 mm	10 mm	9.5 mm	3.5 mm
80	165 mm	130 mm	200 mm	12 mm	11 mm	3.5 mm
90	165 mm	130 mm	200 mm	12 mm	11 mm	3.5 mm
100	215 mm	180 mm	250 mm	15 mm	14 mm	4 mm
112	215 mm	180 mm	250 mm	14.5 mm	14 mm	4 mm
132	265 mm	230 mm	300 mm	20 mm	14 mm	3.5 mm

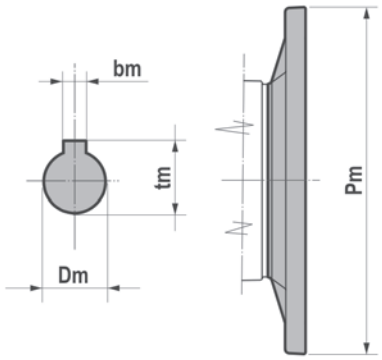
B14	M	N	P	LA	S	T
63	75 mm	60 mm	90 mm	10 mm	M5	2.5 mm
71	85 mm	70 mm	105 mm	10.5 mm	M6	2.5 mm
80	100 mm	80 mm	120 mm	10.5 mm	M6	3 mm
90	115 mm	95 mm	140 mm	11.5 mm	M8	3 mm
100	130 mm	110 mm	160 mm	15 mm	M8	3.5 mm
112	130 mm	110 mm	160 mm	11.5 mm	M8	3.5 mm
132	165 mm	130 mm	200 mm	20.5 mm	M10	3.5 mm

Nominal power (kW/HP)

	63A		63B		63C		63D		71A		71B		71C		80A		80B		80C		80D		90S	
2*	0.18	0.25	0.25	0.33	0.37	0.5	-	-	0.37	0.5	0.55	0.75	0.75	1.00	0.75	1	1.10	1.50	1.50	2	-	-	1.5	2
4*	0.12	0.16	0.18	0.25	0.22	0.3	0.25	0.33	0.25	0.33	0.37	0.5	0.55	0.75	0.55	0.75	0.75	1	0.92	1.2	1.10	1.5	1.1	1.5
6*	0.09	0.12	0.12	0.16	0.15	0.2	-	-	0.18	0.25	0.25	0.33	0.37	0.5	0.37	0.5	0.55	0.75	0.75	1	-	-	0.75	1
8*	-	-	-	-	0.07	0.09	-	-	0.09	0.12	0.12	0.16	0.18	0.25	0.18	0.25	0.25	0.33	0.37	0.5	-	-	0.37	0.5
	90L		**90LB**		**100LA**		**100LB**		**112MA**		**112MB**		**132SA**		**132SB**		**132MA**		**132MB**		**132MC**		**160SA**	
2*	2.2	3	-	-	3	4	4	5.5	4	5.5	5.5	7.5	5.5	7.5	7.5	10	9.2	12	11	15	-	-	11	15
4*	1.5	2	1.85	2.5	2.2	3	3	4	4	5.5	4.8	6.4	5.5	7.5	-	-	7.5	10	9.2	12	11	15	11	15
6*	1.1	1.5	-	-	1.5	2	1.85	2.5	2.2	3	3	4	3	4	-	-	4	5.5	-	-	-	-	-	-
8*	0.55	0.75	-	-	0.75	1	1.1	1.5	1.5	2	-	-	2.2	3	-	-	3	4	-	-	-	-	-	-

(*) Poles

Input flange - Dimensions



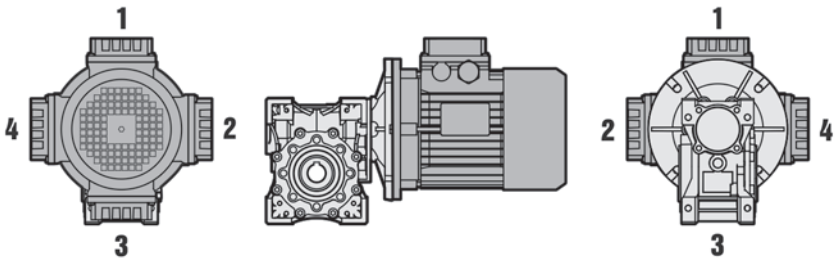
B5	IEC								
	056	063	071	080	090	100	112	132	160
Pm	120 mm	140 mm	160 mm	200 mm	200 mm	250 mm	250 mm	300 mm	350 mm
Dm	9 mm	11 mm	14 mm	19 mm	24 mm	28 mm	28 mm	38 mm	42 mm
bm	3 mm	4 mm	5 mm	6 mm	8 mm	8 mm	8 mm	10 mm	12 mm
tm	10.4 mm	12.8 mm	16.3 mm	21.8 mm	27.3 mm	31.3 mm	31.3 mm	41.3 mm	45.3 mm

B14	IEC						
	056	063	071	080	090	100	112
Pm	80 mm	90 mm	105 mm	120 mm	140 mm	160 mm	160 mm
Dm	9 mm	11 mm	14 mm	19 mm	24 mm	28 mm	28 mm
bm	3 mm	4 mm	5 mm	6 mm	8 mm	8 mm	8 mm
tm	10.4 mm	12.8 mm	16.3 mm	21.8 mm	27.3 mm	31.3 mm	31.3 mm

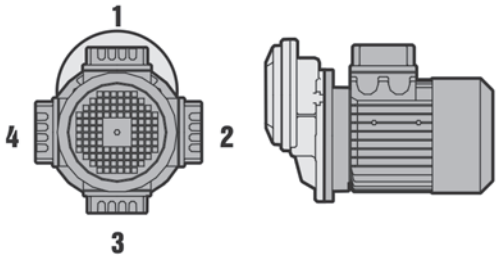
B14	NEMA			
	48C	56C	140TC	180TC
Pm	5.625	6.500	6.500	9.000
Dm	0.500	0.625	0.875	1.125
bm	0.1250	0.1875	0.1875	0.2500
tm	0.56	0.71	0.97	1.24

Position of terminal box

NMRV - NMRVpower

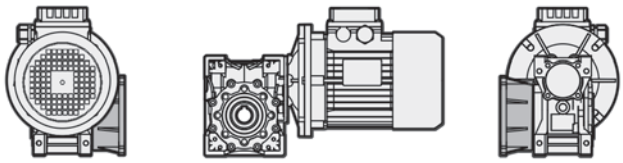
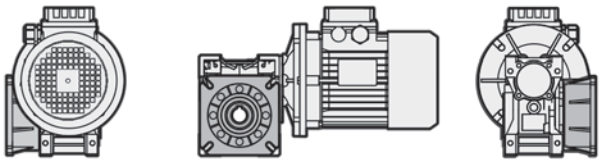


PC



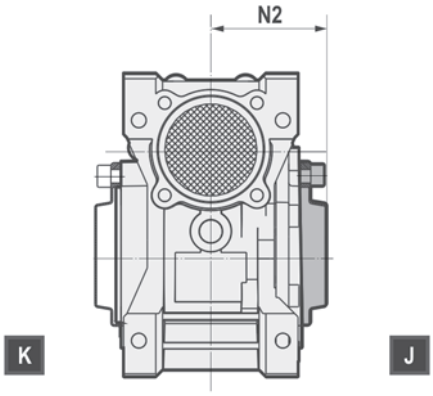
- In the case of specific requirements, when ordering, specify the position of the terminal box as shown in the diagram.
- Terminal box position always refers to PC position.

Output flange

K	J
	

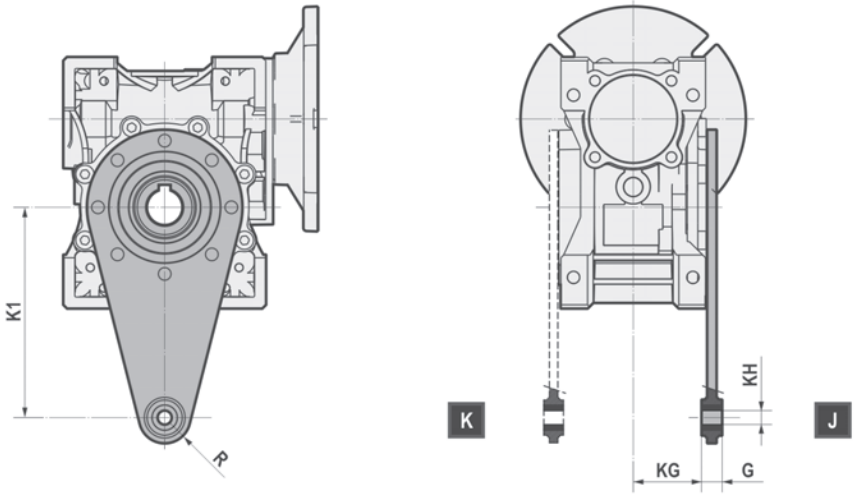
- Unless specified otherwise, the gear reducer is supplied with the flange in pos. J referred to position B3.

Cover



	N2
030	1.65
040	1.97
050	2.26
063	2.70
075	2.89
090	3.37
105	3.70
110	3.70
130	4.02
150	4.61

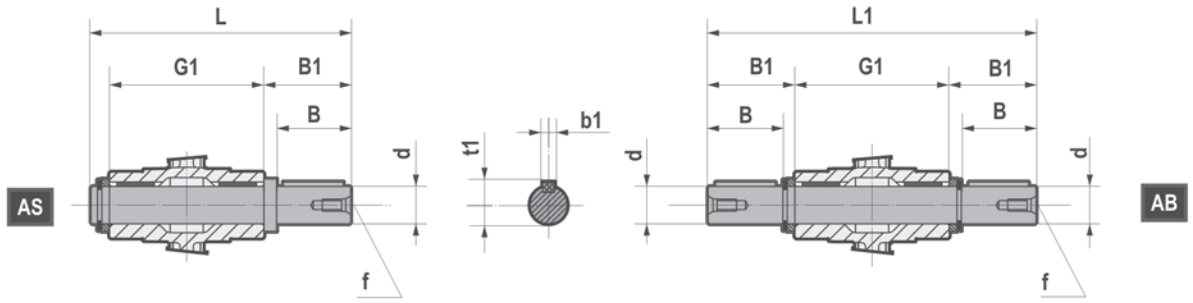
Torque arm

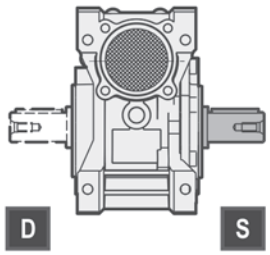


	025	030	040	050	063	075	090	110	130	150
K1	2.76	3.35	3.94	3.94	5.91	7.87	7.87	9.84	9.84	9.84
G	0.55	0.55	0.55	0.55	0.55	0.98	0.98	1.18	1.18	1.18
KG	0.69	0.94	1.24	1.52	1.93	1.87	2.26	2.44	2.72	3.31
KH	0.31	0.31	0.39	0.39	0.39	0.79	0.79	0.98	0.98	0.98
R	0.59	0.59	0.71	0.71	0.71	1.18	1.18	1.38	1.38	1.38

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Low speed shafts



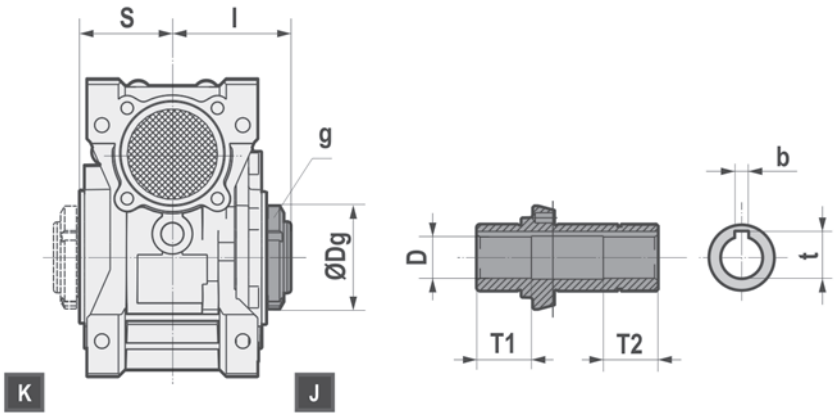


	d		B	B1	G1	L	L1	f	b1	t1
030	0.625	+0 -0.001	1.57	1.67	2.48	4.41	5.82	1/4-20	0.188	0.70
040	0.750	+0 -0.001	1.97	2.09	3.07	5.43	7.25	1/4-20	0.188	0.83
050	1	+0 -0.001	1.97	2.11	3.62	6.02	7.84	3/8-16	0.250	1.11
063	1.125	+0 -0.001	2.36	2.50	4.41	7.20	9.41	3/8-16	0.250	1.23
075	1.250	+0 -0.001	2.76	2.89	4.72	7.56	10.51	1/2-13	0.250	1.36
090	1.375	+0 -0.001	3.15	3.33	5.51	9.21	12.13	1/2-13	0.3125	1.51
110	1.625	+0 -0.001	3.54	3.72	6.10	9.80	13.54	5/8-11	0.375	1.79
130	1.750	+0 -0.001	3.54	3.72	6.69	10.43	14.17	5/8-11	0.375	1.92
150	2.000	+0 -0.001	3.94	4.13	7.87	11.69	16.14	3/4-10	0.500	2.22

Metric input shaft options

	d		B	B1	G1	L	L1	f	b1	t1
030	14 mm	h6	30 mm	32.5 mm	63 mm	102 mm	128 mm	M6	5 mm	16 mm
040	18 mm	h6	40 mm	43 mm	78 mm	128 mm	164 mm	M6	6 mm	20.5 mm
050	25 mm	h6	50 mm	53.5 mm	92 mm	153 mm	199 mm	M10	8 mm	28 mm
063	25 mm	h6	50 mm	53.5 mm	112 mm	173 mm	219 mm	M10	8 mm	28 mm
075	28 mm	h6	60 mm	63.5 mm	120 mm	192 mm	247 mm	M10	8 mm	31 mm
090	35 mm	h6	80 mm	84.5 mm	140 mm	234 mm	309 mm	M12	10 mm	38 mm
110	42 mm	h6	80 mm	84.5 mm	155 mm	249 mm	324 mm	M16	12 mm	45 mm
130	45 mm	h6	80 mm	85 mm	170 mm	265 mm	340 mm	M16	14 mm	48.5 mm
150	50 mm	h6	82 mm	87 mm	200 mm	297 mm	374 mm	M16	14 mm	53.5 mm

NMRL - NMRV-P - Dimensions



	050	063	075	090
I	2.50	2.91	3.09	3.52
S	1.81	2.20	2.36	2.76
Dg	2.20	2.44	2.68	3.15
g	M40x1.5	M45x1.5	M50x1.5	M60x2
b	8 mm	8 mm	8 mm	10 mm
t	28.3 mm	28.3 mm	31.3 mm	38.3 mm
D	Ø25 mm	Ø25 mm	Ø28 mm	Ø35 mm
T1	1.30	1.46	1.57	1.77
T2	1.30	1.46	1.57	1.77

Torque limiter

The torque limiter, in oil bath, is designed for sizes 050 - 063 - 075 - 090. This device assures the protection of the transmission from accidental high overloads which could damage the gearbox and the power transmission components.
If necessary, it prevents reversing conditions of the worm gear unit by opportunely loosening the lock nut.

NOTE: On size 050 the torque limiter is supplied only in J position.

Features
- external dimensions are almost the same as the version without torque limiter.
- no difference of the mountings.
- no difference of the hollow output shaft diameter with respect to the standard gearbox.
- the slipping torque can be easily adjusted by means of an external ring nut.
- no maintenance required on slipping components.
- functional features are the same as standard version.

Torque adjustment
The adjustment is carried out during assembly at about 80% of the nominal torque reported in the catalogue.
This torque is transmitted by friction and so many factors could influence the adjustment value, like: temperature, running-in, vibrations, etc., therefore it is advised to adjust the torque limit by means of the lock nut when installing the gearbox on the machine, in accordance to application requirements.

- For the missing dimensions, please consider the drawing of relevant NMRV size.

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All supplies effected by Motovario Group are governed exclusively by the following general terms of sale that are made known to operators also by including them in the catalogues of the goods produced. Any clause or condition that may be established by the buyer is null if in contrast with the following terms and if not expressly undersigned by ourselves. For anything not expressly envisaged, current Italian law shall hold, also for goods sold abroad.

QUOTATIONS :
Quotations are not binding. A quotation is considered accepted only upon our written confirmation of the order, after fully clarifying all the technical and commercial details. The information given in our catalogues, brochures and price lists is not binding. Therefore, we reserve the right to make any modification, which we believe to be an improvement, to our products and to the relevant price lists.

ORDERS :
The contract of sale is understood to be binding for both parties as of the date of issue of our order confirmation. The supply comprises exclusively the products and services specified in our order confirmation to our general terms of sale.

PRICES :
The contract prices are the ones given on the Order Confirmation. The prices are understood to be for goods delivered Ex Works, excluding packing and all other costs, unless agreed otherwise. Motovario reserves the right to alter prices at the time of delivery in the event of significant variations in the cost of labour and/or raw materials. If the change in price is higher than 5% the Customer will have the right to withdraw from the order.

LEAD TIMES :
The lead times given on the Order Confirmation are merely an indication and are observed as far as possible, with the exclusion of all possible claims for compensation by the Customer for any delays. Motovario Group is anyhow entirely freed from all commitments concerning lead times in the following cases: a) When the Buyer fails to observe the agreed terms of payment. b) In cases of force majeure or events such as: lockouts, strikes or anyhow abstention from work, epidemics, war, confiscation, fire, flooding, manufacturing accidents, suspension or delay in transportation. c) When the buyer fails to provide, in good time, all the data necessary to effect the supply and/or the materials to be supplied to the Seller.

DELIVERIES :
Delivery is understood to be made to all intents and purposes with the verbal or written communication that the goods are at the buyer's disposal for collection, or at the time of delivery to the carrier. After delivery has been made, all risks concerning the material sold are taken on by the buyer. Shipment is always made at the buyer's risk and cost with the means we consider the most appropriate, if no particular instructions have been provided. Loss, delay and damage to material as a consequence of shipment cannot be attributed to Motovario Group In the case of shipment by our vehicles, this is understood to be made with carriage forward at best and under the buyer's full responsibility. In the event of delay in collecting the goods, anyhow ready, for any reason beyond our control, after eight days of the communication of the goods being ready, Motovario Group may have the packing, shipment or storage of the goods made at the Buyer's expense and issue an invoice for the sale of the material.

PAYMENTS :
Payments must be made at the domicile of Motovario Group and according to the agreed Terms. In the event of a late payment, Motovario Group will have every right to charge "arrears" at the rate of 4% over the "prime rate". Any late or non-payment authorizes Motovario Group to suspend delivery of any other material immediately, as well as cancel any orders without the Buyer being owed any rights for whatever reason. No complaint or claim gives the Buyer any right to suspend payments. Any payments made in advance never bear interest.

PACKING :
If there are no particular instructions, we prepare the packing, where necessary, in the best way and anyhow always at the Buyer's expense, with no responsibility on our part.

COMPLAINTS :
Any complaints or claims made by the buyer on the finished product must be notified to the seller in writing within 8 days of the date of receiving the goods.

WARRANTY :
Motovario Group guarantees the products sold for two years from the date of delivery, considering use of two daily work-shifts. (16 hours/day).
Warranty is limited to repair or replacement, free at our plant, of defective parts due to an ascertained defect of material or manufacture. The parts replaced remain our property. All other compensation is excluded, nor can any direct and/or indirect damage be claimed of any nature, also for the temporary lack of use of the goods purchased.
Warranty is excluded for materials and parts subject to natural wear or deterioration (for example, oil seals or lubricants leakages caused by normal wear).Warranty is forfeit for products not used in conformity with our instructions or that are anyhow modified, repaired or even partially dismantled, or stored, installed, maintained or lubricated not in a proper way. The warranty is also excluded for damages, defects or malfunctions caused by external components (such as, for example, couplings, sprockets, pulleys, motors not produced by Motovario, etc..) or by incorrect installation of them.
Verifying the compatibility of applications and correct mechanical couplings and electrical connections with the specifications of Motovario products, as indicated in the manufacturer's catalogues, is solely to the concern and responsibility of the buyer.

LIABILITY FOR DAMAGE :
The liability of Motovario Group is strictly limited to the above-stated obligations and it is therefore clearly agreed that we take on no responsibility for any damage deriving from accidents of any nature that may occur during use of the products sold, whether they be considered defective or otherwise, also in cases of the choice of application being recommended by personnel of the Motovario Group Sales Organization. When applying geared motors or motorvariators the user is in any case obliged, under his own exclusive responsibility, to proceed with the utmost prudence and make provision for safety devices in conformity with the applicable directives, standards and technical regulations, and anyhow adequately to limit damage to persons and/or property deriving from their possible defectiveness.

PLACE OF FULFILMENT AND JURISDICTION :
The place of fulfilment for both parties is the Supplier's offices. The jurisdiction for any dispute deriving directly or indirectly from the contract - also in the case of lawsuits for bills or failure to pay cheques - is therefore for the Judiciary Authority of MODENA where the Seller has its offices. Relations between the parties are governed solely by Italian law and the UN right of sale (Vienna Convention) is not applied.

TRANSFER OF TITLE :
In accordance with Art. 1523-1524 of the Italian Civil Code, transfer of title of the goods subject of sale will only take place after payment in full of the agreed price. The buyer is therefore obliged to conserve the subject of the supply conscientiously until his debt is extinguished. Clauses to be specifically approved: 1) quotes; 2) orders; 3) prices; 4) lead times; 5) deliveries; 6) payments; 7) packing; 8) complaints; 9) warranty; 10) liability for damage; 11) place of fulfilment and jurisdiction; 12) transfer of title.

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