



Worm Gear Reducers



NMRV[®] **NMRV[™]**
POWER

FEATURES



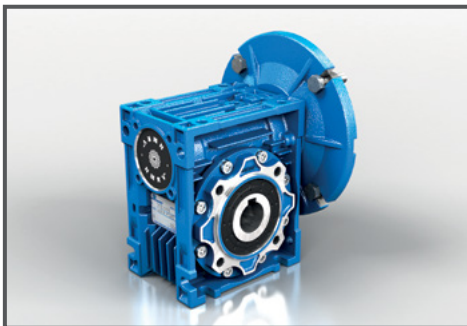
NMRV and NMRVpower worm gear reducers currently represent the most advanced solution to market requirements in terms of **efficiency** and **flexibility**. The new NMRVpower series, also available as compact integral helical/worm option, has been designed to guarantee a **high modularity**. A low number of basic models can be applied to a **wide range of power ratings** guaranteeing high performance.

NMRV®



Sizes:

025-030-040-050-130-150



NMRV

Fitted for Motor Coupling



NMRV-P

Fitted for Motor Coupling

Sizes:

063-075-090-110

- Cases up to 110 in die-cast aluminum alloy and over 130 in G200 grey cast iron
- Aluminum units are supplied complete with synthetic oil and allow for universal mounting positions, with no need to modify lubricant quantity
- Worm wheel: bronze Cu Sn12 Ni2 (UNI7013-10)
- Ground worm profile ZI (UNI4760)
- Excellent mechanical strength and particularly lightweight
- Loading capacity in accordance with: ISO.14521, DIN.3996, BS 721, AGMA 6034, ISO 6336, DIN 3990, DIN 743, ISO 281
- Size 030 and over are painted with RAL 5010 blue epoxy-polyester powder according to DIN 1843
- Available with pre-stage unit: PC for NMRV Series, HW for NMRV-P Series
- Worm gear reducers are available with different combinations: NMRV/NMRV, NMRV/NMRV-P, NMRV-P/NMRV-P and NMRV-P/NMRV
- ATEX versions available: 3GD/2GD

Other Versions



NRV with Input Shaft



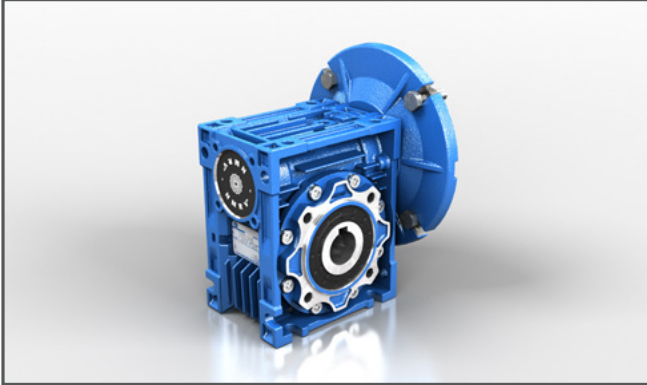
NRV-P with Input Shaft



NMRV/NMRV-P
Combined Worm Gear Reducer

RANGE

Worm Gear Reducer



	Output Torque M ₂ [in-lbs]		Ratio	
	Min	Max	Min	Max
NMRV 030	115	168	5	80
NMRV 040	257	425		100
NMRV 050	487	779		
NMRV-P 063	1044	1416		
NMRV-P 075	1593	2186		
NMRV-P 090	2390	3823		
NMRV-P 110	4275	6416		
NMRV 130	6549	9293		
NMRV 150	8850	13,718		

- Power up to 20 HP
- Ratios between 5 and 100
- Max Torque 13,718 in-lbs
- Admissible radial loads max 4047 lbf

Combined Worm Gear Reducer



	Output Torque M ₂ [in-lbs]		Ratio	
	Min	Max	Min	Max
NMRV 030/050	699	1283	100	5000
NMRV 030 / NMRV-P 063	1328	2398		
NMRV 040/050	1062	1283		
NMRV 040 / NMRV-P 063	2044	2398		
NMRV 040 / NMRV-P 075	3115	3929		
NMRV 040 / NMRV-P 090	3195	6195		
NMRV 050 / NMRV-P 090	4956	6195		
NMRV 050 / NMRV-P 110	5735	11,195		
NMRV-P 063/110	9735	11,195		
NMRV-P 063 / NMRV 130	9939	15,576		
NMRV-P 063 / NMRV 150	17,443	26,630		

- Power up to 2.5 HP
- Ratios between 100 and 5000
- Max Torque 26,630 in-lbs

ACCESSORIES



Protection Cover

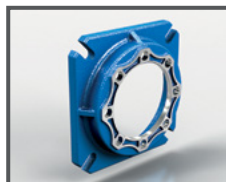


Output Flanges

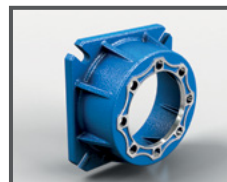
	FA	FB	FC	FD	FE
NMRV 030	•	/	/	/	/
NMRV 040	•	•	•	•	/
NMRV 050	•	•	•	•	/
NMRV-P 063	•	•	•	•	•
NMRV-P 075	•	•	/	/	/
NMRV-P 090	•	•	•	•	/
NMRV-P 110	•	•	/	/	/
NMRV 130	•	/	/	/	/
NMRV 150	•	/	/	/	/

• Available

/ Not Available



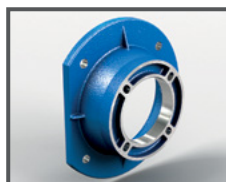
FA



FB



FC

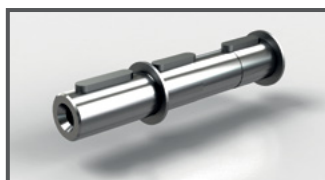


FD

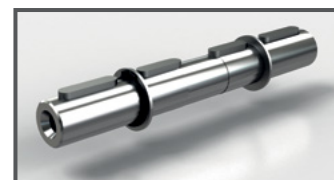


FE

Solid Output Shaft

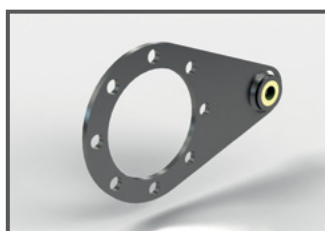


Single Output Shaft



Double Output Shaft

Torque Arm



Torque Limiter

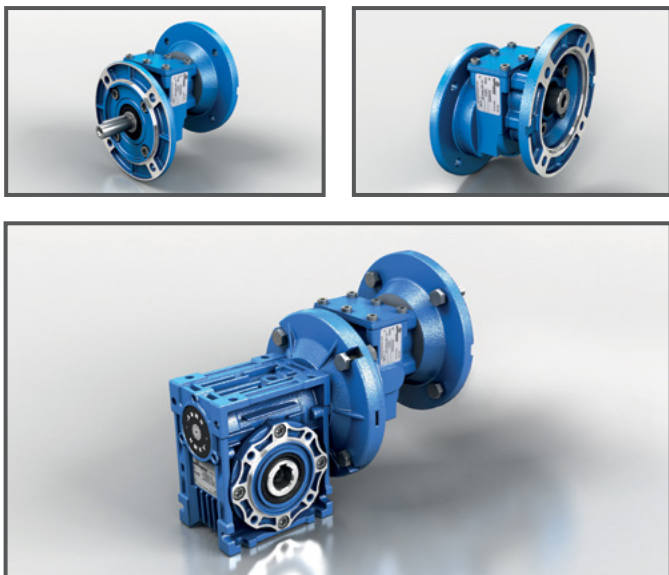
Available on versions NMRL 050
and NMRL-P 063-075-090



Other Accessories

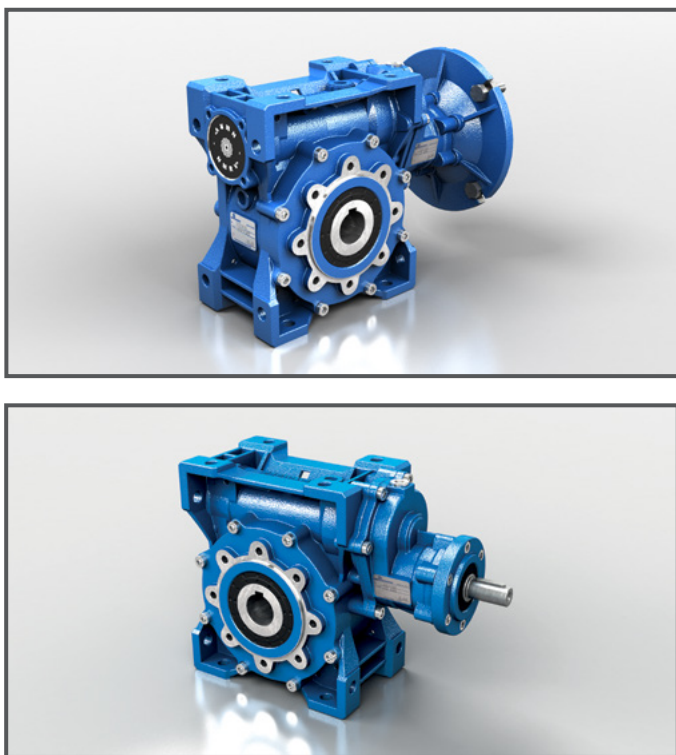
- Viton oil seals
- Low/high temperature and food grade oil
- Filling/ drain/ breather/ level plug
- Reinforced output

NMRV Worm gear reducer with HA31 pre-stage



- HA31 is the new single stage helical gear reducer available as pre-stage for the worm gear boxes NMRV040 and NMRV050; it can also be supplied as a separate unit to be mounted on any type of fitted geared motor.
- Die-cast aluminum alloy casing; gears hardened and tempered with shaved profile steel 20MnCr5 (UNI7846)
- Available as unpainted or painted with RAL 5010 blue epoxy-polyester powder
- Power up to 1.5 HP and motor sizes up to IEC 080
- Combined total ratios between 22.08 and 315
- Max Torque of group HA31+worm gear reducer 1823 in-lbs

NMRV-P Worm gear reducer with HW pre-stage



- The pre-stage units called HW are available in two options: HW030, which can be mounted on NMRVpower 063-075 gearboxes and HW040, which can be fitted with NMRVpower 090-110 gearboxes.
- The pre-stage construction is modular and therefore it can be supplied for various motor connections both NEMA and IEC.
- Casing in aluminum alloy. Steel gears 20MnCr5 (UNI7846), hardened, tempered and carefully scraped
- Power up to 2.5 HP and motor sizes up to IEC 090
- Combined total ratios between 22.08 and 1083.33
- Max Torque of group HW+worm gear reducer 10.523 in-lbs

WORLDWIDE



WEST

1-800-661-4023

TECO   **Westinghouse**
MOTORS (CANADA) INC.

tecowestinghouse.ca

EAST

1-800-268-4770