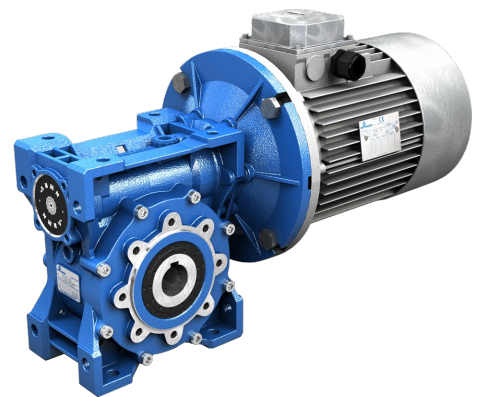


PRODUCT DATASHEET



WORMGEARED MOTOR WITH ACCESSORIES/MOTOR

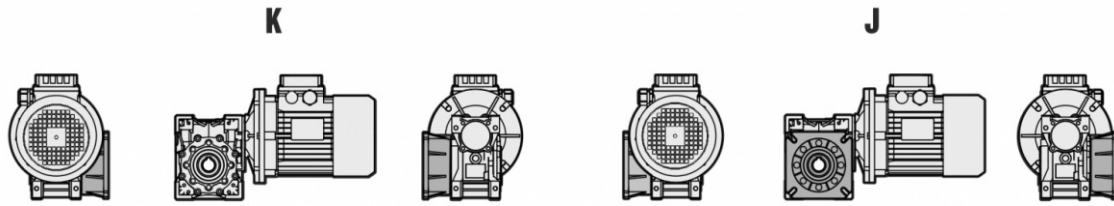
DATE 18.07.2023

CUSTOMER Daniel Bárta

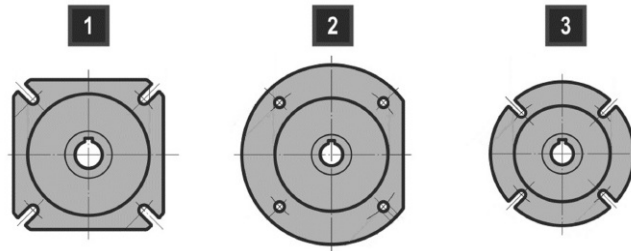
CONFIGURATION

CHARACTERISTIC	VALUE
Motor/Inverter Motor	With Motor
Regulations	No
Worm	PAM NMRV
Size	150
Ratio (i)	80,0
Input Dim.	Ø250x28 (IEC100-112 B5)
Hollow Output Shaft Dim.	Ø50
Double-Extended Worm Shaft	No
Mounting Position	B6
Output Flange	FA
Output Flange Dim.	Ø320
Output Flange Pos.	Pos.J
Output Shaft	Single Ø50x82
Output Shaft Pos.	Pos.S
Output Cover	No
Torque Arm	No
VI-Output Oil Seal	NBR-Nitrile
VI-Input Oil Seal	ACM-Polyacrylate
VI-Output Bearings	Ball Bearings
VI-Lubrication	Synthetic ISO VG320
Paint	Ral 5010 Blue
Supplier	Motovario
Regulations	CE
Motor	Three-Phase
Size	112
Series	Premium Efficiency
Poles	4
Electrical Execution	Std (Voltage Tolerance +/- 10%)
Service	S1
Voltage	230/400-265/460 V
Frequency	50-60 Hz
Power	4 kW
Cooling	Self-Ventilated
Mounting Arrangements	B5
Terminal Box	Pos.1
Flange Dim.	Ø250
Shaft Dim. (DE)	Ø28x60
Rear Shaft End (NDE)	No
Insulation Rating	F
Protection Rating	IP55

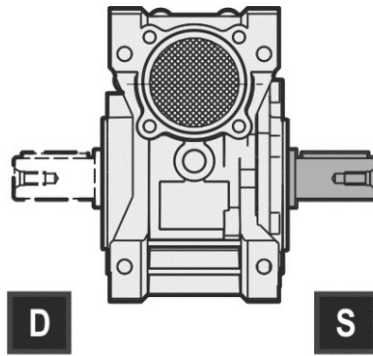
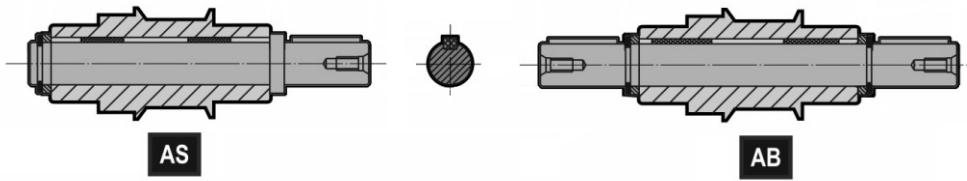
CHARACTERISTIC	VALUE
Thermal Protectors	No
Ambient Conditions	Standard
Heaters	No
Condensation Drainage	No
Devices	No
Accessories	None
Terminal Box Cover	Aluminium
Fan	Plastic
Fan Cover	Standard
MO-Notes	No



Unless specified otherwise, the reduction unit is supplied with the flange in pos. J referred to position B3.



	NMRV - SW	NMRV - SW	NMRV - SW	NMRV-P - SW	NMRV-P - SW	NMRV-P - SW	SW	NMRV-P	NMRV	NMRV
	030	040	050	063	075	090	105	110	130	150
FA	1	1	1	1	1	1	1	1	1	1
FB	-	1	1	1	3	2	1	1	-	-
FC	-	2	2	2	-	3	-	-	-	-
FD	-	2	2	2	-	1	-	-	-	-
FE	-	-	-	3	-	-	-	-	-	-

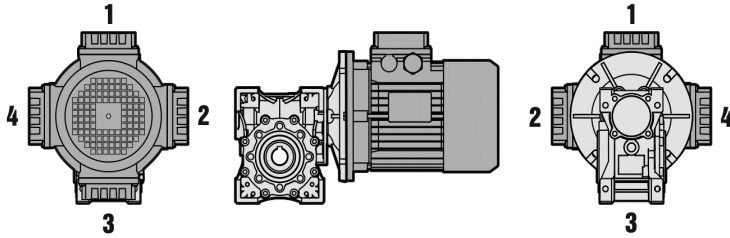
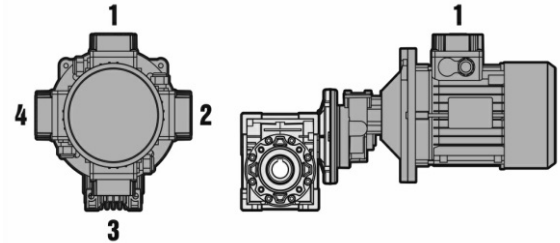


4,00 kW (60Hz)

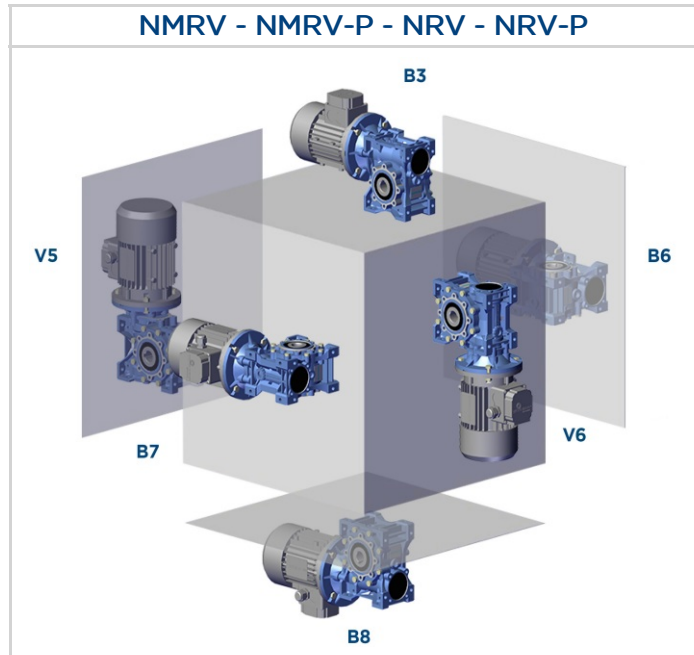
n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 [N]
22,1	1198	0,9	80,00	NMRV150	TP112M4	14226
22,0	1198	0,9	80,00	NMRV150	TP112M4	14226
22,0	1198	0,9	80,00	NMRV150	TP112M4	14226

MOUNTING POSITIONS

In the case of specific requirements, when ordering, specify the position of the terminal box as shown in the diagram. Unless otherwise specified, the gear reducer is supplied with terminal box in position 1. Terminal box position always refers to HA31 position.

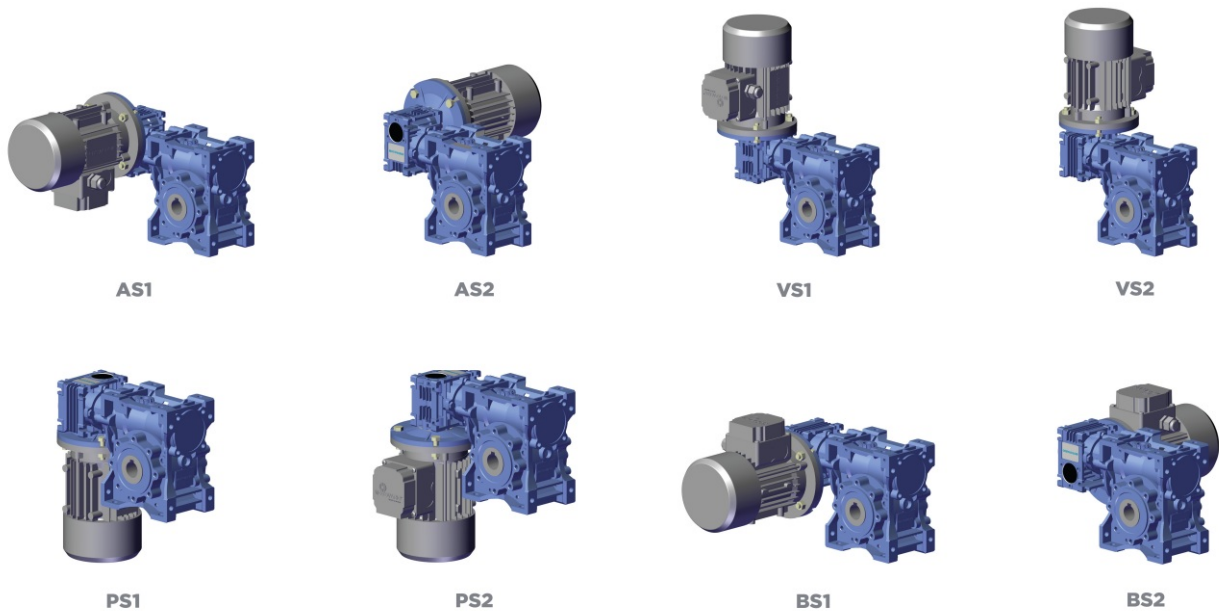
NMRV - NMRV-P - SW**HA31+NMRV/SW**

The mounting position of the gear unit identifies its space orientation. B3 mounting position, as from a technical point of view, ensures lower oil splash, better lubrication and less heating.



Execution

NMRV/NMRV-P+NMRV/NMRV-P - NRV/NRV-P+NMRV/NMRV-P



- The gear reducers size 025 - 030 - 040 - 050 - 063 - 075 - 090 - 105 - 110 - 130 - 150 are supplied complete with lubricant for life, synthetic oil, ENI TELIUM VSF. They can be mounted in any position envisaged in the catalogue, except for NMRV-P/SW 090 - 110 and NRV-P/ISW 075-090-110 for which you must to specify the mounting position.
- 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.
- The pre-stage helical modules are supplied complete with life-long lubricant, synthetic oil, ENI TELIUM VSF. Lubrication is separated from that of the worm gear reducers.

It is recommended, after installation, to replace the closed plug used for transportation with the supplied breather plug.

Quantity of oil in litres -

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

NMRV-P	063	075	090	110
B3	0,33	0,55	1,15	1,6
B8				
B6-B7				
V5				
V6				

SW	030	040	050	063	075	090	105
B3	0,04	0,08	0,15	0,3	0,55	1	1,6
B8							
B6-B7							
V5							
V6							

HW	HW030		HW040	
	NMRV-P063	NMRV-P075	NMRV-P090	NMRV-P110
B3-B6-B7-B8-V5-V6	0,06	0,09	0,11	0,12

H	A31
B3-B5	0,07

NMRV	063	075	090	105	110
B3	0,3	0,55	1	1,6	3
B8					2,2
B6-B7					2,5
V5					3
V6					2,2

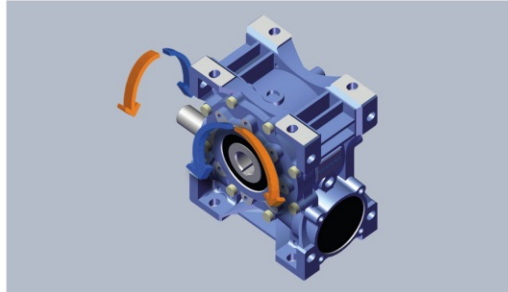
The worm screw rotation is right-handed.

DIRECTION OF ROTATION - HIGH SPEED SHAFT

NMRV - NRV - SW - ISW

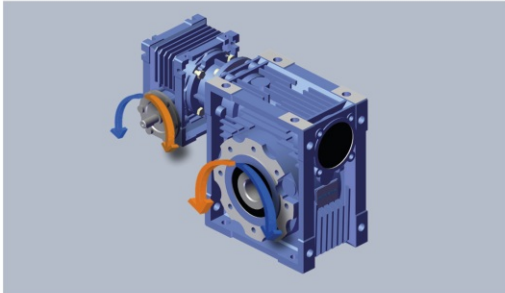


MOUNTING POSITION **B3**

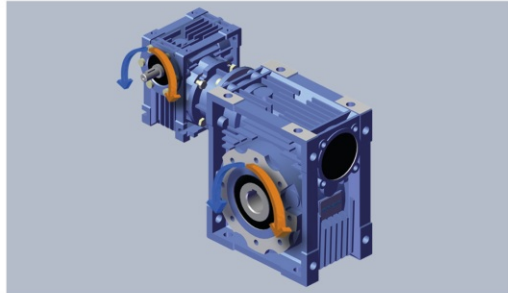


MOUNTING POSITION **B8**

NMRV + NMRV - SW + SW - NRV + NMRV - ISW + SW



MOUNTING POSITION **AS1**



MOUNTING POSITION **BS1**