

PRODUCT DATASHEET



WORM**GEAR**REDUCER

DATE 06.05.2026

CONFIGURATION

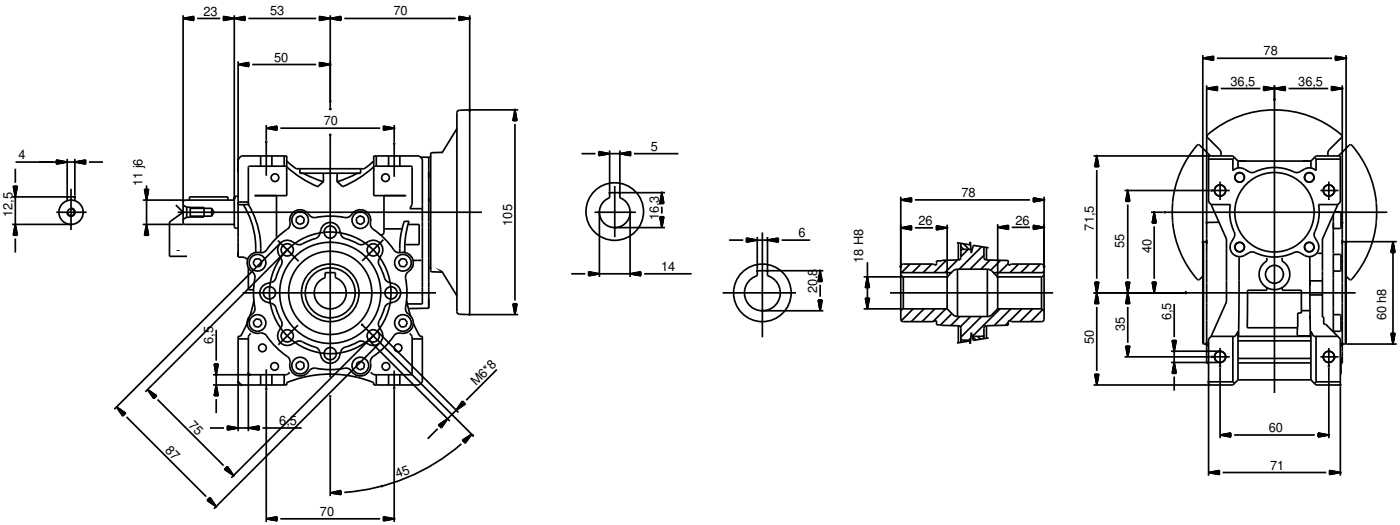
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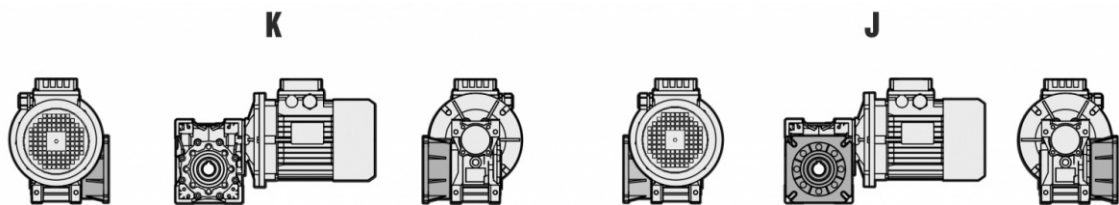
CHARACTERISTIC	VALUE
Regulations	No
Worm	PAM NMRV
Size	040
Ratio (i)	7,5
Input Dim.	Ø105x14 (IEC 71 B14)
Hollow Output Shaft Dim.	Ø18
Double-Extended Worm Shaft	No
Mounting Position	U
VI-Output Oil Seal	NBR-Nitrile
VI-Input Oil Seal	ACM-Polyacrylate
VI-Output Bearings	Ball Bearings
VI-Lubrication	Synthetic ISO VG320
Paint	Ral 5010 Blue

DRAWINGS

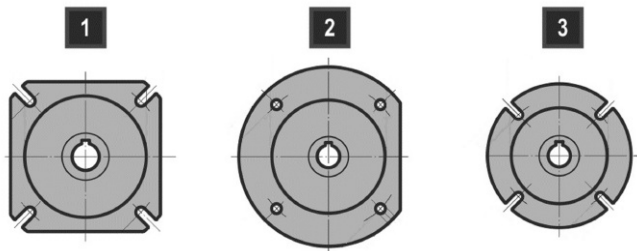
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Values expressed in [mm]





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	-	-	-	-	-	-

DRAWINGS

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The values reported in the tables are referred to the weight of the gearbox with lubricant included.
Weight without motor.

NMRV - NMRV-P (- kg)									
025	030	040	050	063	075	090	110	130	150
0,7	1,2	2,3	3,5	6,2	9	13	21	43,5	84

NRV - NRV-P (- kg)									
030	040	050	063	075	090	110	130	150	
1	2	3,3	5,8	8,8	13	21	43,5	77	

	HA31+NMRV040 (- kg)	HA31+NMRV050 (- kg)
063	4,2	5,4
071	4,3	5,5
080	4,5	5,7

056/063/071/080					063/071/080/090				
NMRV-P063/HW030 (- kg)					NMRV-P075/HW030 (- kg)				
7,1					10				

NMRV-P090/HW040 (- kg)					NMRV-P110/HW040 (- kg)				
14,6					24,4				

NMRV- P090/IHW040 (- kg)	NMRV- P110/IHW040 (- kg)
14,6	38,4

NMRV+NMRV - NMRV+NMRV-P - NMRV-P+NMRV - NMRV-P+NMRV-P (- kg)													
025-030	025-040	030-040	030-050	030-063	040-050	040-063	040-075	040-090	050-090	050-110	063-110	063-130	063-150
1,9	3	3,5	4,7	7,4	5,8	8,5	11,3	15,3	16,5	38,5	41,2	54,2	90,2

NRV+NMRV - NRV+NMRV-P - NRV-P+NMRV - NRV-P+NMRV-P (- kg)												
030-040	030-050	030-063	040-050	040-063	040-075	040-090	050-090	050-110	063-110	063-130	063-150	
3,5	4,7	7,4	5,8	8,5	11,3	15,3	16,5	38,5	41,2	54,2	90,2	

The values reported in the tables are referred to the weight of the gearbox with lubricant included.
Weight without motor.

SW (- kg)						
030	040	050	063	075	090	105
1,2	2,3	3,5	6,2	9	13	21

ISW (- kg)						
030	040	050	063	075	090	105
1	2	3,3	5,8	8,8	13	21

	HA31+SW040 (- kg)	HA31+SW050 (- kg)	HA31+SW063 (- kg)	HA31+SW075 (- kg)	HA31+SW090 (- kg)
063	4,2	5,4	8,1	10,9	14,9
071	4,3	5,5	8,2	11,0	15,0
080	4,5	5,7	8,4	11,2	15,2

SW+SW (- kg)					
030-040	030-050	030-063	040-075	040-090	050-105
3,5	4,7	7,4	11,3	15,3	38,5

ISW+SW (- kg)					
030-040	030-050	030-063	040-075	040-090	050-105
3,5	4,7	7,4	11,3	15,3	38,5

PERFORMANCES

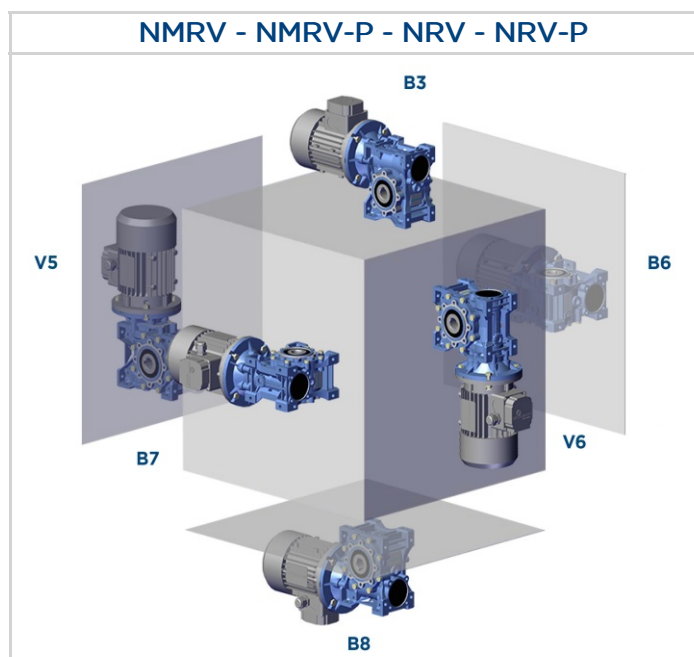
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NRV040

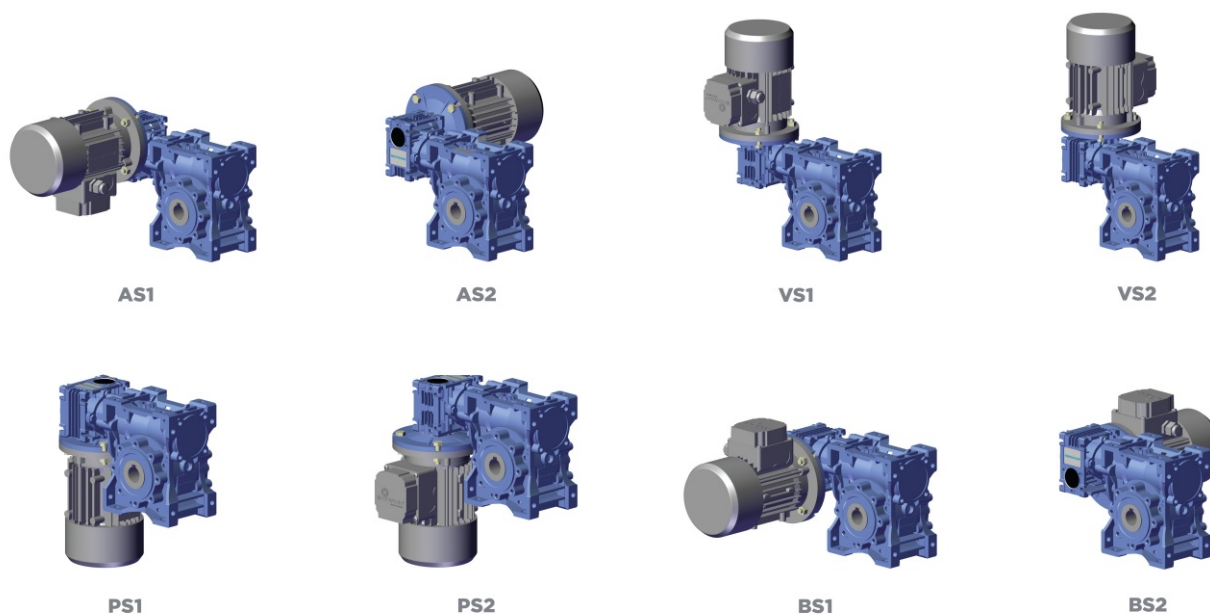
n ₁ [rpm]	Mn ₂ [Nm]	i	Pn ₁ [kW]	n ₂ [rpm]	Fr ₁ [N]	Fr ₂ [N]
500	56	7,50	0,47	67,0	350	1853
900	46	7,50	0,68	120,0	318	1524
1140	44	7,50	0,81	152,0	327	1408
1400	42	7,50	0,94	187,0	292	1315
1750	40	7,50	1,12	233,0	291	1221
2800	28	7,50	1,23	373,0	233	1044

MOUNTING POSITIONS

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

LUBRICANT

PRODUCT DATASHEET

- The gear reducers size 025 - 030 - 040 - 050 - 063 - 075 - 090 - 105 - 110 - 130 - 150 are supplied complete with lubricant for life, synthetic oil, LAND OIL GEAR SINT. 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 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, LAND OIL GEAR SINT. 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

LUBRICANT

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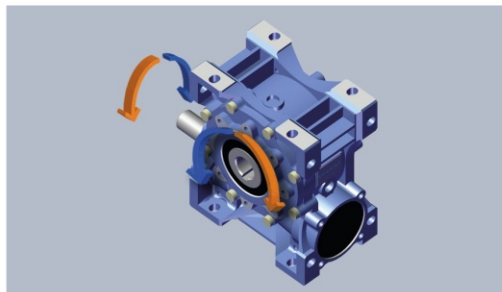
NMRV	063	075	090	105	110
B3	0,3	0,55	1	1,6	3
B8					2,2
B6-B7					2,5
V5					3
V6					2,2

DIRECTION OF ROTATION

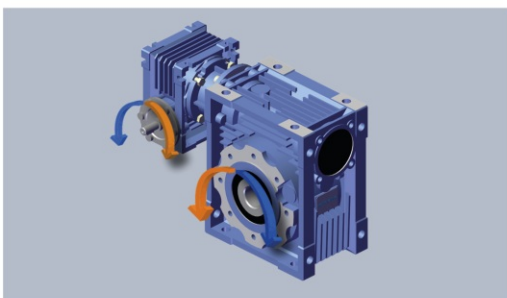
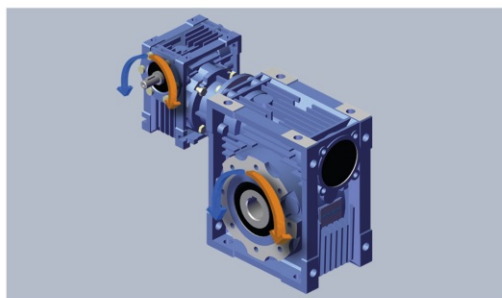
The worm screw rotation is right-handed.

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 **BS1**MOUNTING POSITION **AS1**