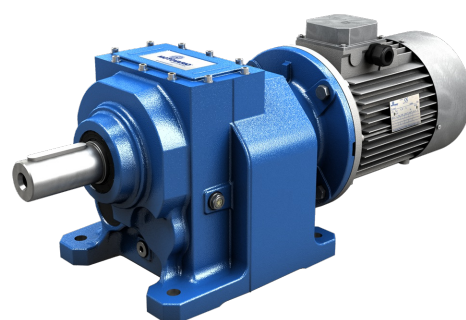


PRODUCT DATASHEET



HELICAL **GEARED** MOTOR **WITH** ACCESSORIES/MOTOR

DATE 04.07.2018

CONFIGURATION

PRODUCT DATASHEET

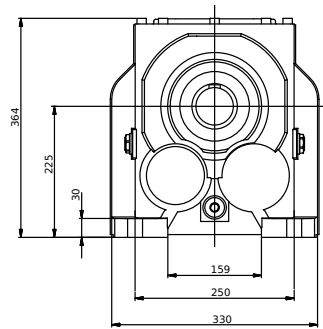
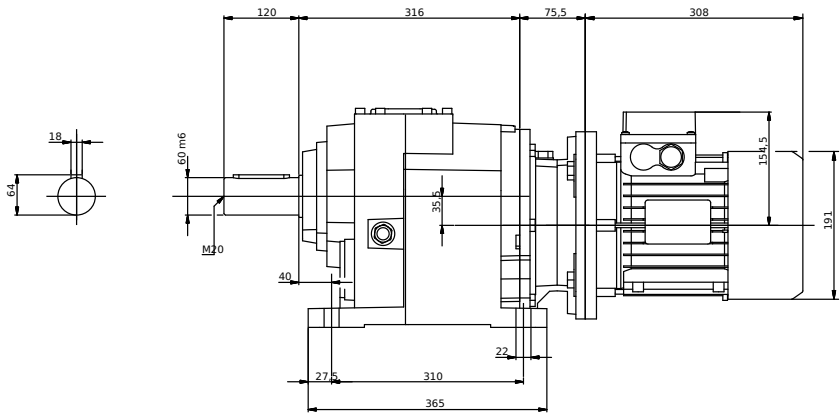
CHARACTERISTIC	VALUE
Motor/Inverter Motor	With Motor
Regulations	No
Series	H
Helical	PAM H
Red. Size	103
Version	T-Feet
Ratio (i)	215,45
Input Dim.	Ø250x28 (IEC100-112 B5)
Output Shaft Dim.	Ø60x120
Mounting Position	B3
CX-Oil Plugs	Breather-Drain-Level(Stand.)
CX-Output Oil Seal	NBR-Nitrile
CX-Input Oil Seal	NBR-Nitrile
CX-Lubrication	Eni Blasias 220
Paint	Ral 5010 Blue
Supplier	Motovario
Regulations	CE
Motor	Three-Phase
Size	100
Series	High Efficiency
Poles	4
Electrical Execution	Std (Voltage Tolerance +/- 10%)
Service	S1
Voltage	220/380V
Frequency	50-60 Hz
Power	2,2 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
Thermal Protectors	No
Ambient Conditions	Standard
Heaters	No
Condensation Drainage	No
Devices	No
Accessories	None

CHARACTERISTIC	VALUE
Terminal Box Cover	Aluminium
Fan	Plastic
Fan Cover	Standard
MO-Notes	No

DRAWINGS

PRODUCT DATASHEET

Values expressed in [mm]



PERFORMANCES

PRODUCT DATASHEET

2,20 kW (50Hz)

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 [N]
6,6	2976	1,2	215,45	H103	TH100LA4	22000

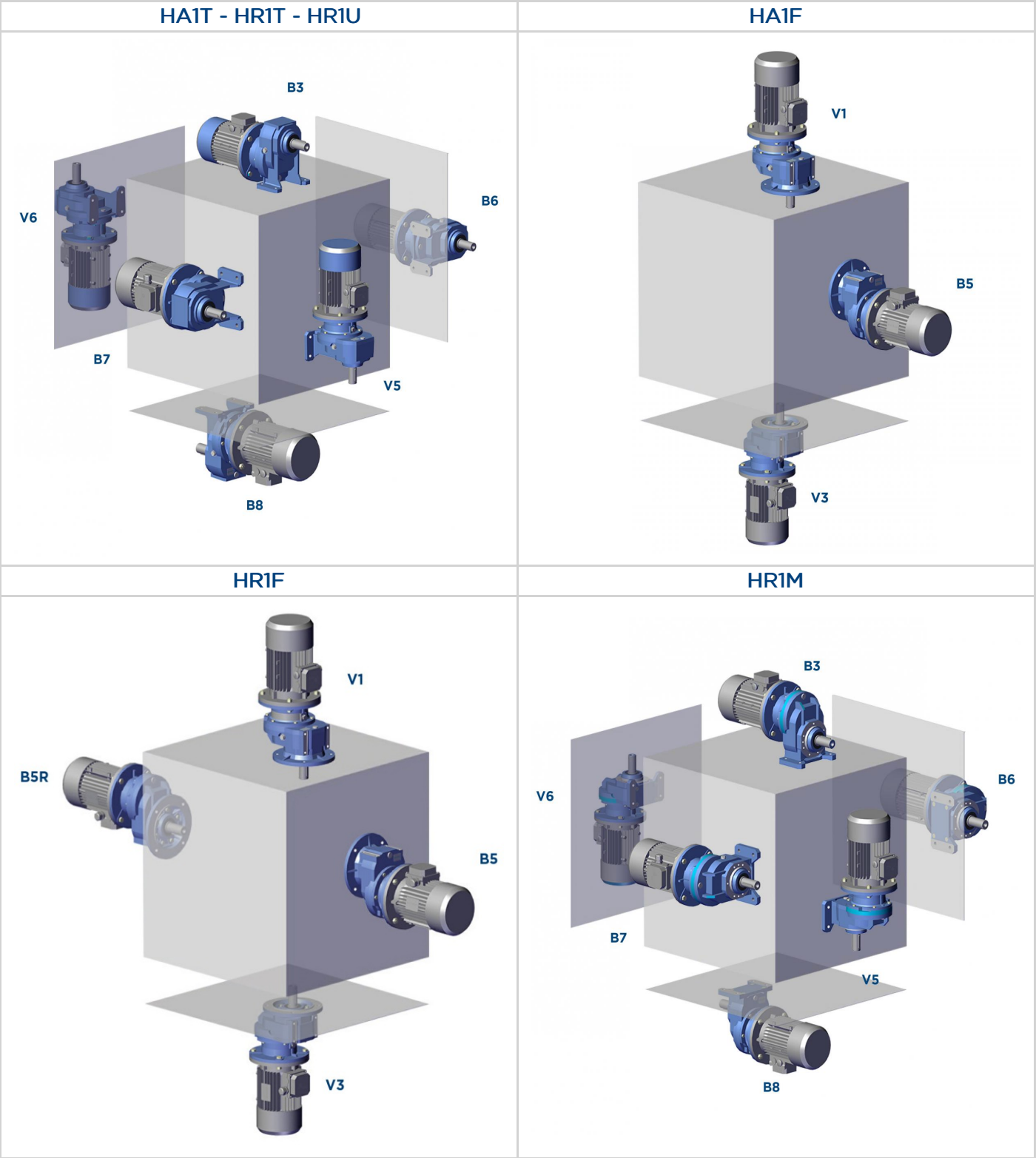
2,20 kW (60Hz)

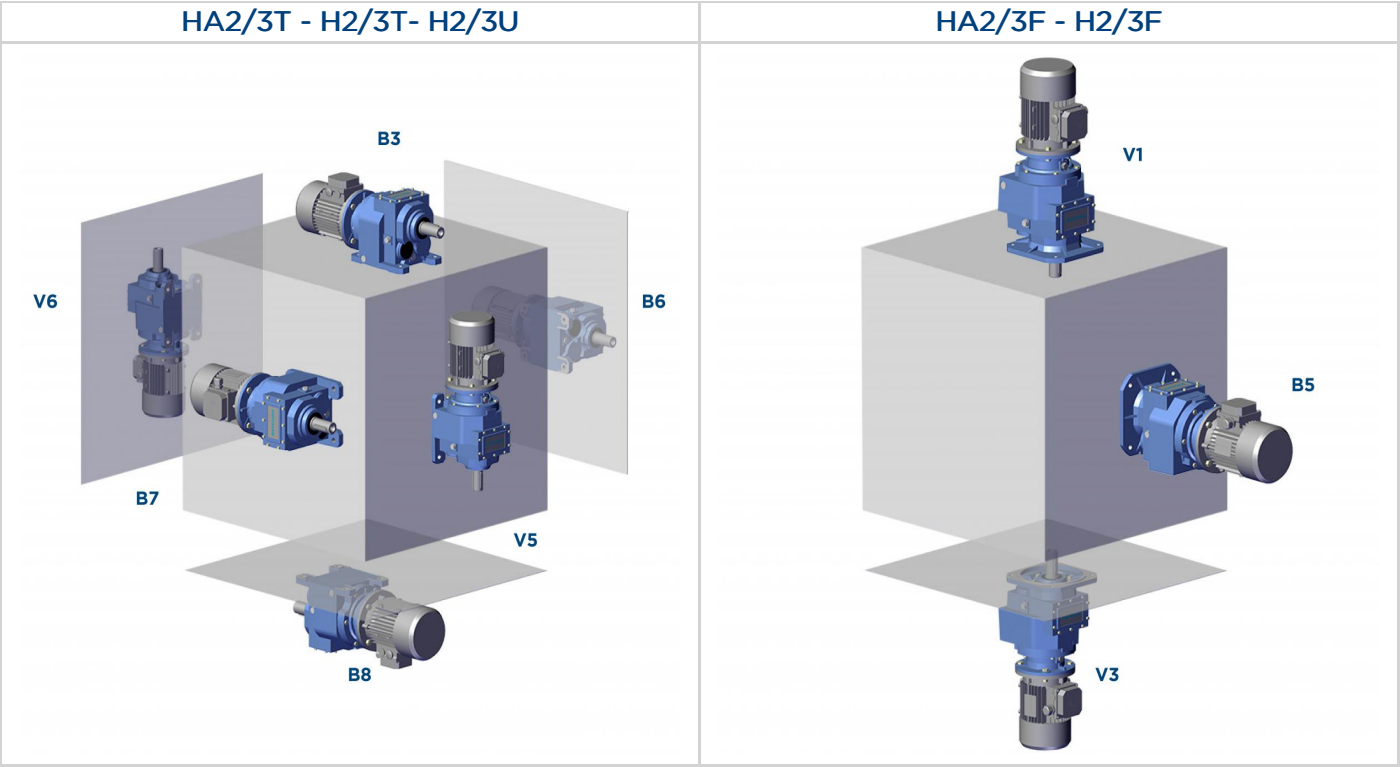
n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 [N]
8,1	2445	1,3	215,45	H103	TH100LA4	22000

MOUNTING POSITIONS

PRODUCT DATASHEET

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.





- For the gear reducer HA series with 2, 3 stages and for the reducers H series with 1, 2, 3 stages it is always necessary to specify the envisaged position.
- The gear reducer HA series with 1, 2, 3 stages all sizes, HR... series with 1 stage sizes 040, 050, 060 and H... series with 2, 3 stages sizes 030, 040, 050 are supplied complete with lubricant, have no oil plugs and need no maintenance.
- The gear reducer HR... series with 1 stage sizes 80,100,125 and H... series with 2, 3 stages sizes 060, 080, 100 are supplied complete with lubricant and are fitted with oil plugs to suit any mounting position included in the catalogue.
- The gear H... series with 2, 3 stages sizes 125, 140 have no lubricant and are fitted with oil plugs to suit any mounting position included in the catalogue. The oil filling can be done on request, in this case it is recommended, after installation, to replace the closed plug used for transportation with the supplied breather plug. When the reduction unit is supplied without lubricant, it is provided with a label to be filled.

Oil quantity in the table (litres ~) are indicative; for a proper use you will have to refer to the level plug or the dipstick. Any level difference could depend on construction tolerances, but also by the placement of the unit or by the mounting surface at the customer's premises. It is appropriate to check and, if necessary, restores the level when the units are installed.

H - CH	HA31	HA41	CHA41	A51	A61	A32	A42	A52	A62	A33	A43	A53	A63	
B3-B5	0,07	0,23	0,13	0,25	0,62	0,68	0,7	1,2	1,9	1,1	1,16	1,9	2,4	
B8														
B6-B7								1,6	2,1			2,5	3,1	
V5-V1														
V6-V3														

HR - CHR	041	051	061	081	101	121	041M	051M	061M	081M	101M	121M
B3-B5	0,5	0,7	0,7	1,45	3,5	4,7	0,5	0,5	0,5	1,5	3,5	3,9
B8	0,5	0,5	0,5	1,5	3,5	3,9	0,5	0,7	0,7	1,45	3,5	4,7
B6-B7	0,5	0,7	0,7	1,5	3,5	4,1	0,5	0,7	0,7	1,5	3,5	4,1
V5-V1	0,5	0,7	0,9	1,5	3,5	4,7	0,5	0,7	0,9	1,5	3,5	4,7
V6-V3	0,5	0,7	0,7	1,5	3,5	4,1	0,5	0,7	0,7	1,5	3,5	4,1

H - CH	032/033	042/043	052/053	062/063	082/083	102/103	122/123	142/143
B3-B5	0,8	1,2	1,4	2,4	4,5	8,1	12,5	22,5
B8	0,85	1,2	1,4	3,1	5	8,9	12,5	20
B6-B7	1	1,2	1,8	3	4,6	8,4	12,1	22,5
V5-V1	1,3	1,75	2,15	3,9	7,6	12,7	20,5	30,5
V6-V3	1,2	1,7	2,1	4,4	7,5	14,2	21	38