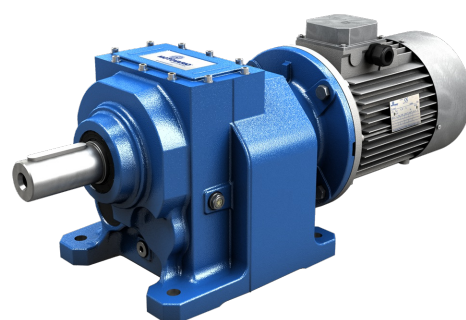


# PRODUCT DATASHEET



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

**DATE** 22.11.2018

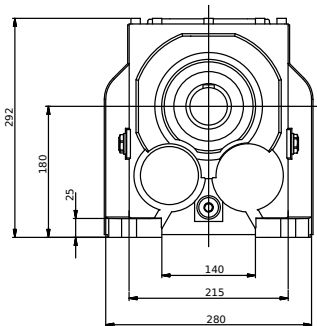
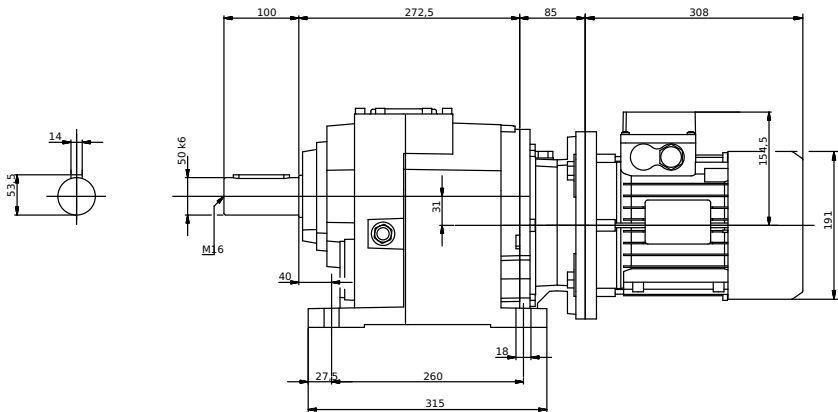
## CONFIGURATION

## PRODUCT DATASHEET

| CHARACTERISTIC               | VALUE                           |
|------------------------------|---------------------------------|
| <b>Motor/Inverter Motor</b>  | With Motor                      |
| <b>Regulations</b>           | No                              |
| <b>Series</b>                | H                               |
| <b>Helical</b>               | PAM H                           |
| <b>Red. Size</b>             | 082                             |
| <b>Version</b>               | T-Feet                          |
| <b>Ratio (i)</b>             | 26,60                           |
| <b>Input Dim.</b>            | Ø250x28 (IEC100-112 B5)         |
| <b>Output Shaft Dim.</b>     | Ø50x100                         |
| <b>Mounting Position</b>     | B3                              |
| <b>CX-Oil Plugs</b>          | Breather-Drain-Level(Stand.)    |
| <b>CX-Output Oil Seal</b>    | NBR-Nitrile                     |
| <b>CX-Input Oil Seal</b>     | NBR-Nitrile                     |
| <b>CX-Lubrication</b>        | Eni Blasia 220                  |
| <b>Paint</b>                 | Ral 5010 Blue                   |
| <b>Supplier</b>              | Motovario                       |
| <b>Regulations</b>           | CE                              |
| <b>Motor</b>                 | Three-Phase                     |
| <b>Size</b>                  | 100                             |
| <b>Series</b>                | High Efficiency                 |
| <b>Poles</b>                 | 4                               |
| <b>Electrical Execution</b>  | Std (Voltage Tolerance +/- 10%) |
| <b>Service</b>               | S1                              |
| <b>Voltage</b>               | 230/400-265/460 V               |
| <b>Frequency</b>             | 50-60 Hz                        |
| <b>Power</b>                 | 2,2 kW                          |
| <b>Cooling</b>               | Self-Ventilated                 |
| <b>Mounting Arrangements</b> | B5                              |
| <b>Terminal Box</b>          | Pos.1                           |
| <b>Flange Dim.</b>           | Ø250                            |
| <b>Shaft Dim. (DE)</b>       | Ø28x60                          |
| <b>Rear Shaft End (NDE)</b>  | No                              |
| <b>Insulation Rating</b>     | F                               |
| <b>Protection Rating</b>     | IP55                            |
| <b>Thermal Protectors</b>    | No                              |
| <b>Ambient Conditions</b>    | Standard                        |
| <b>Heaters</b>               | No                              |
| <b>Condensation Drainage</b> | No                              |
| <b>Devices</b>               | No                              |
| <b>Accessories</b>           | None                            |

| CHARACTERISTIC            | VALUE     |
|---------------------------|-----------|
| <b>Terminal Box Cover</b> | Aluminium |
| <b>Fan</b>                | Plastic   |
| <b>Fan Cover</b>          | Standard  |
| <b>MO-Notes</b>           | No        |

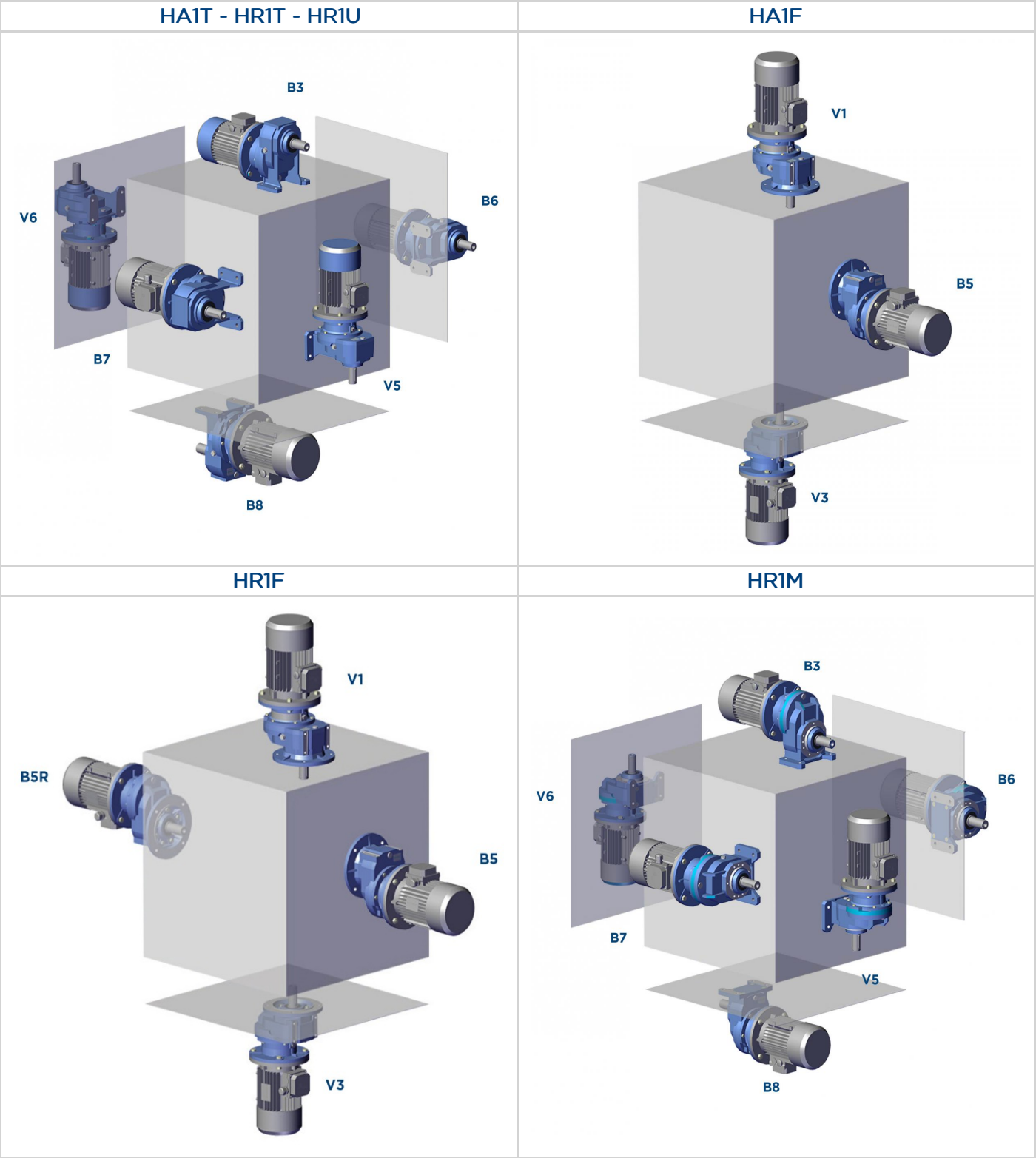
Values expressed in [mm]

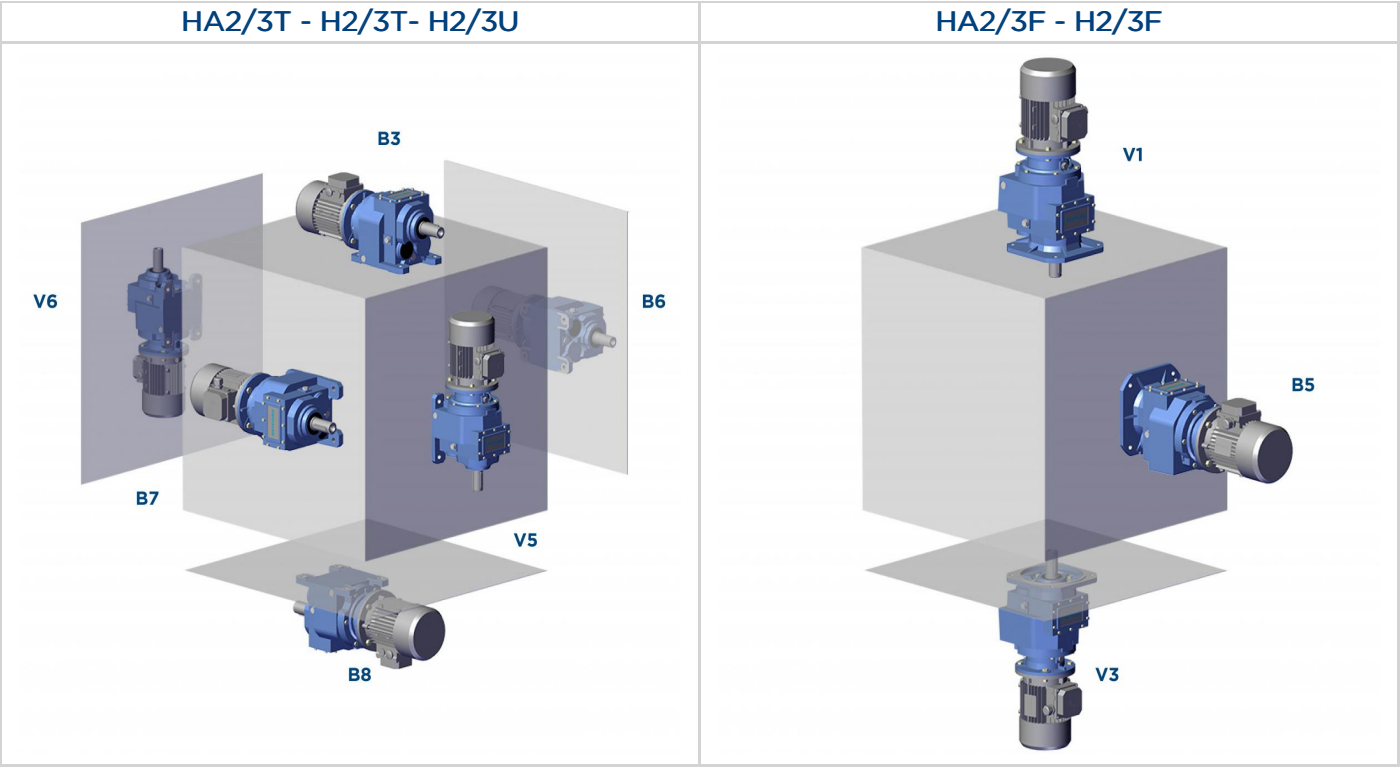


MOUNTING POSITIONS

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  |
| B5R      | 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      |