PRODUCT DATASHEET





ELECTRICMOTOR

DATE 27.05.2020 **CUSTOMER** RS COMPONENTS **APPLICATION** TP80B4 0.75 230/400-50

B5 MV **NOTE** 4167441

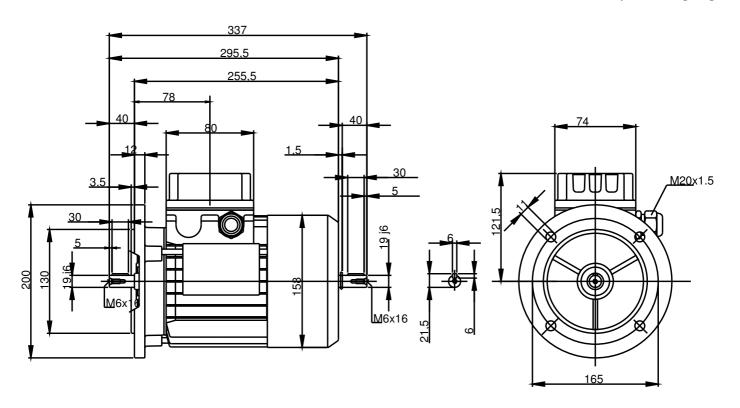


CONFIGURATION

Regulations CE Motor Three-Phase Size 080 Series Premium Efficiency Poles 4 Electrical Execution Std (Voltage Tolerance +/- 10%) Service S1 Voltage 230/400-265/460 V Frequency 50-60 Hz Power 0,75 kW Cooling Self-Ventilated Mounting Arrangements B5 Flange Dim. Shaft Dim. (DE) Rear Shaft End (NDE) Insulation Rating Protection Rating IP55 Thermal Protectors Ambient Conditions Standard Heaters No Condensation Drainage No Devices No Accessories None	CHARACTERISTIC	VALUE
Motor Size O80 Series Premium Efficiency Poles 4 Electrical Execution Std (Voltage Tolerance +/- 10%) Service S1 Voltage 230/400-265/460 V Frequency 50-60 Hz Power 0,75 kW Cooling Self-Ventilated Mounting Arrangements B5 Flange Dim. Ø200 Shaft Dim. (DE) Ø19x40 Rear Shaft End (NDE) Insulation Rating Protection Rating F Protection Rating IP55 Thermal Protectors No Ambient Conditions Heaters No Condensation Drainage No Devices	Supplier	Motovario
Size Series Premium Efficiency Poles 4 Electrical Execution Service Voltage 230/400-265/460 V Frequency Power Cooling Mounting Arrangements Flange Dim. Shaft Dim. (DE) Rear Shaft End (NDE) Insulation Rating Protection Rating Protection Rating F Protection Rating F Condensation Drainage No No No No Condensation Drainage Devices Premium Efficiency 4 4 4 4 4 8 Std (Voltage Tolerance +/-10%) Std (Voltage Toler	Regulations	CE
Series Premium Efficiency Poles 4 Electrical Execution Std (Voltage Tolerance +/- 10%) Service S1 Voltage 230/400-265/460 V Frequency 50-60 Hz Power 0,75 kW Cooling Self-Ventilated Mounting Arrangements B5 Flange Dim. Ø200 Shaft Dim. (DE) Ø19x40 Rear Shaft End (NDE) No Insulation Rating F Protection Rating IP55 Thermal Protectors No Ambient Conditions Standard Heaters No Condensation Drainage No Devices No	Motor	Three-Phase
Poles 4 Electrical Execution Std (Voltage Tolerance +/- 10%) Service S1 Voltage 230/400-265/460 V Frequency 50-60 Hz Power 0,75 kW Cooling Self-Ventilated Mounting Arrangements B5 Flange Dim. Ø200 Shaft Dim. (DE) Ø19x40 Rear Shaft End (NDE) No Insulation Rating F Protection Rating IP55 Thermal Protectors No Ambient Conditions Standard Heaters No Condensation Drainage No Devices No	Size	080
Electrical Execution Service S1 Voltage 230/400-265/460 V Frequency 50-60 Hz Power 0,75 kW Cooling Self-Ventilated Mounting Arrangements B5 Flange Dim. Ø200 Shaft Dim. (DE) Rear Shaft End (NDE) Insulation Rating Protection Rating F Protection Rating Thermal Protectors Ambient Conditions Heaters No Condensation Drainage Devices S1 Voltage Tolerance +/- 10%) 8td (Voltage Tolerance +/- 10%) No 1940 Protectory Self-Ventilated Mo 1955 Flange Dim. Ø200 Shaft Dim. (DE) Ø19x40 No Insulation Rating F Protection Rating IP55 Thermal Protectors No Ambient Conditions No Condensation Drainage No	Series	Premium Efficiency
Service S1 Voltage 230/400-265/460 V Frequency 50-60 Hz Power 0,75 kW Cooling Self-Ventilated Mounting Arrangements B5 Flange Dim. Ø200 Shaft Dim. (DE) Ø19x40 Rear Shaft End (NDE) No Insulation Rating F Protection Rating IP55 Thermal Protectors No Ambient Conditions Standard Heaters No Condensation Drainage No Devices No	Poles	4
Voltage 230/400-265/460 V Frequency 50-60 Hz Power 0,75 kW Cooling Self-Ventilated Mounting Arrangements B5 Flange Dim. Ø200 Shaft Dim. (DE) Ø19x40 Rear Shaft End (NDE) No Insulation Rating F Protection Rating IP55 Thermal Protectors No Ambient Conditions Standard Heaters No Condensation Drainage No Devices No	Electrical Execution	
Frequency Power O,75 kW Cooling Self-Ventilated Mounting Arrangements B5 Flange Dim. Ø200 Shaft Dim. (DE) Rear Shaft End (NDE) Insulation Rating Protection Rating F Protection Rating IP55 Thermal Protectors Ambient Conditions Standard Heaters No Condensation Drainage Devices No Self-Ventilated No 19x40 No 19x40 No No No No No No No No No N	Service	S1
Power 0,75 kW Cooling Self-Ventilated Mounting Arrangements B5 Flange Dim. Ø200 Shaft Dim. (DE) Ø19x40 Rear Shaft End (NDE) No Insulation Rating F Protection Rating IP55 Thermal Protectors No Ambient Conditions Standard Heaters No Condensation Drainage No Devices No	Voltage	230/400-265/460 V
Cooling Self-Ventilated Mounting Arrangements B5 Flange Dim. Ø200 Shaft Dim. (DE) Ø19x40 Rear Shaft End (NDE) No Insulation Rating F Protection Rating IP55 Thermal Protectors No Ambient Conditions Standard Heaters No Condensation Drainage No Devices No	Frequency	50-60 Hz
Mounting Arrangements Flange Dim. Ø200 Shaft Dim. (DE) Rear Shaft End (NDE) Insulation Rating Protection Rating IP55 Thermal Protectors Ambient Conditions Standard Heaters No Condensation Drainage No No	Power	0,75 kW
Flange Dim. Shaft Dim. (DE) Ø19x40 Rear Shaft End (NDE) Insulation Rating Protection Rating IP55 Thermal Protectors Ambient Conditions Standard Heaters No Condensation Drainage No No	Cooling	Self-Ventilated
Shaft Dim. (DE) Ø19x40 Rear Shaft End (NDE) No Insulation Rating F Protection Rating IP55 Thermal Protectors No Ambient Conditions Standard Heaters No Condensation Drainage No Devices No	Mounting Arrangements	B5
Rear Shaft End (NDE) Insulation Rating F Protection Rating IP55 Thermal Protectors Ambient Conditions Standard Heaters No Condensation Drainage No Devices No	Flange Dim.	Ø200
Insulation Rating F Protection Rating IP55 Thermal Protectors No Ambient Conditions Standard Heaters No Condensation Drainage No Devices No	Shaft Dim. (DE)	Ø19x40
Protection Rating IP55 Thermal Protectors No Ambient Conditions Standard Heaters No Condensation Drainage No Devices No	Rear Shaft End (NDE)	No
Thermal Protectors No Ambient Conditions Standard Heaters No Condensation Drainage No Devices No	Insulation Rating	F
Ambient Conditions Standard Heaters No Condensation Drainage No Devices No	Protection Rating	IP55
Heaters No Condensation Drainage No Devices No	Thermal Protectors	No
Condensation Drainage No Devices No	Ambient Conditions	Standard
Devices No	Heaters	No
	Condensation Drainage	No
Accessories None	Devices	No
	Accessories	None
Terminal Box Cover Aluminium	Terminal Box Cover	Aluminium
Fan Plastic	Fan	Plastic
Fan Cover Standard	Fan Cover	Standard
MO-Notes No	MO-Notes	No

DRAWINGS

Values expressed in [mm]



PRODUCT DATASHEET

PERFORMANCES

		n _n [rpm]	I _n [A]	M _n [Nm]		η _n % (4/4) limit	η _n % (4/4)	η _n % (3/4)	η _n % (2/4)	cosφ _n	$\frac{M_s}{M_n}$		$\frac{I_s}{I_n} = \frac{M_{max}}{M_n}$	10 ⁻⁴ ×Kgm²		Kg		_	
P _n [kW]	Size											<u>'s</u> <u>_</u> n		тТ	т ТВ	тТ	т ТВ	Z _o [10³×1/h]	M _B [Nm]
0,75	80B4	1440	1,67	4,97	IE3	82,5	82,9	82,5	80,0	0,78	3,2	6,1	3,5	38,1	39,7	13,2	16,7	7,1	15,0

MOUNTING POSITIONS

<u>Mounting position:</u> specific construction in relation to the mounting equipment, type of bearings and shaft end.

<u>Installation type:</u> positioning of the motor in relation to the axis line (horizontal or vertical) and mounting equipment.

The table lists the most common installation methods in relation to the mounting position.

With reference to standard IEC 34-7, the electric motor's nameplate must be marked with the mounting position (IMB3, IMB5, IMB14, IMB34, IMB35) independently of the installation type.



Mounting position:

- IMB3 with feet
- IMB5 with drive side flange, through holes
- IMB14 with drive side flange, threaded holes
- IMB35 with feet and drive side flange, through holes
- IMB34 with feet and drive side flange, threaded holes

Besides being available in the above-indicated standardised mounting positions, motors are available also in compact versions; this applies to both aluminium CHA and CBA gear reducers (B10 mounting position) and to cast iron CH, CB and CS gear reducers (B11 mounting position). These mounting positions require special flanges integral with the gear reducer and cable output shaft where pinion is fitted before the reduction stage. The resulting gearmotor has reduced axial size. For further details, including dimensional drawings, refer to the specific catalogues of the gear reducers.