## PRODUCT DATASHEET





# ELECTRICMOTOR

CUSTOMER RS COMPONENTS
APPLICATION TS71B4 0.37 230/400-50
B14 MV CN
NOTE 4091205

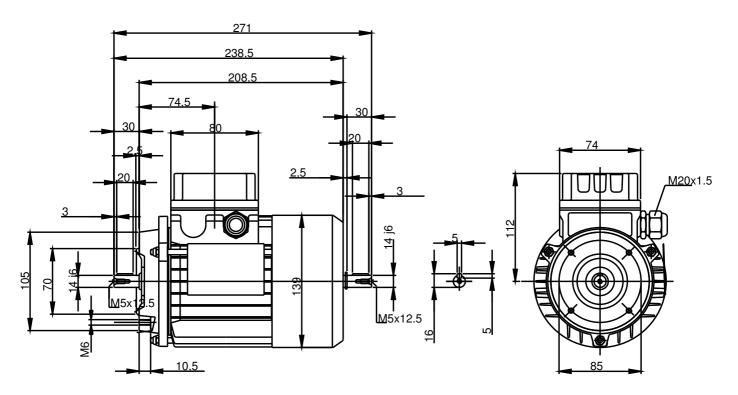


## **CONFIGURATION**

Regulations CE Motor Three-Phase Size O71 Series Standard Efficiency Poles 4 Electrical Execution Std (Voltage Tolerance +/- 10%) Service S1 Voltage 230/400-265/460 V Frequency 50-60 Hz Power O,37-0,45 kW Cooling Self-Ventilated Mounting Arrangements B14 Flange Dim. Ø105 Shaft Dim. (DE) Rear Shaft End (NDE) Insulation Rating Protection Rating FProtection Rating FProtectio	CHARACTERISTIC	VALUE							
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Size Series Standard Efficiency  Poles 4  Electrical Execution Service S1 Voltage 230/400-265/460 V  Frequency 50-60 Hz  Power 0,37-0,45 kW  Cooling Self-Ventilated Mounting Arrangements B14  Flange Dim. Ø105  Shaft Dim. (DE) Ø14x30  Rear Shaft End (NDE) Insulation Rating Protection Rating F  Protection Rating IP55 Thermal Protectors No Ambient Conditions Heaters No Condensation Drainage No Devices No Accessories Terminal Box Cover Aluminium Fan Plastic Fan Cover	Regulations	CE							
Series Standard Efficiency  Poles 4  Electrical Execution Std (Voltage Tolerance +/- 10%)  Service S1  Voltage 230/400-265/460 V  Frequency 50-60 Hz  Power 0,37-0,45 kW  Cooling Self-Ventilated  Mounting Arrangements B14  Flange Dim. Ø105  Shaft Dim. (DE) Ø14x30  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  Terminal Box Cover Aluminium  Fan Plastic  Fan Cover	Motor	Three-Phase							
Poles  Electrical Execution  Std (Voltage Tolerance +/- 10%)  Service  S1  Voltage  230/400-265/460 V  Frequency  50-60 Hz  Power  0,37-0,45 kW  Cooling  Self-Ventilated  Mounting Arrangements  B14  Flange Dim.  Ø105  Shaft Dim. (DE)  Ø14x30  Rear Shaft End (NDE)  Insulation Rating  F  Protection Rating  Thermal Protectors  Ambient Conditions  Heaters  No  Condensation Drainage  No  Devices  No  Accessories  Terminal Box Cover  Fan  Plastic  Fan Cover  Standard	Size	071							
Electrical Execution  Service  S1  Voltage  230/400-265/460 V  Frequency  50-60 Hz  Power  0,37-0,45 kW  Cooling  Self-Ventilated  Mounting Arrangements  B14  Flange Dim.  Ø105  Shaft Dim. (DE)  Ø14x30  Rear Shaft End (NDE)  Insulation Rating  F  Protection Rating  F  Protection Rating  Thermal Protectors  Ambient Conditions  Standard  Heaters  No  Condensation Drainage  Devices  No  Accessories  Terminal Box Cover  Fan  Plastic  Fan  Plastic  Standard	Series	Standard Efficiency							
Service  Voltage  230/400-265/460 V  Frequency  50-60 Hz  Power  0,37-0,45 kW  Cooling  Self-Ventilated  Mounting Arrangements  B14  Flange Dim.  Ø105  Shaft Dim. (DE)  Ø14x30  Rear Shaft End (NDE)  Insulation Rating  F  Protection Rating  IP55  Thermal Protectors  No  Ambient Conditions  Standard  Heaters  No  Condensation Drainage  Devices  No  Accessories  Terminal Box Cover  Fan  Plastic  Fan Cover	Poles	4							
Voltage 230/400-265/460 V  Frequency 50-60 Hz  Power 0,37-0,45 kW  Cooling Self-Ventilated  Mounting Arrangements B14  Flange Dim. Ø105  Shaft Dim. (DE) Ø14x30  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  Terminal Box Cover Aluminium  Fan Plastic  Fan Cover	<b>Electrical Execution</b>	Std (Voltage Tolerance +/-10%)							
Frequency  Power  O,37-0,45 kW  Cooling  Self-Ventilated  Mounting Arrangements  B14  Flange Dim.  Ø105  Shaft Dim. (DE)  Ø14x30  Rear Shaft End (NDE)  Insulation Rating  F  Protection Rating  IP55  Thermal Protectors  Ambient Conditions  Heaters  No  Condensation Drainage  Devices  No  Accessories  Terminal Box Cover  Fan  Plastic  Fan Cover	Service	S1							
Power 0,37-0,45 kW  Cooling Self-Ventilated  Mounting Arrangements B14  Flange Dim. Ø105  Shaft Dim. (DE) Ø14x30  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  Terminal Box Cover Aluminium  Fan Plastic  Fan Cover Standard	Voltage	230/400-265/460 V							
Cooling  Mounting Arrangements  B14  Flange Dim.  Ø105  Shaft Dim. (DE)  Rear Shaft End (NDE)  Insulation Rating  Protection Rating  IP55  Thermal Protectors  Ambient Conditions  Heaters  Condensation Drainage  Devices  No  Accessories  Terminal Box Cover  Fan  Plastic  Standard	Frequency	50-60 Hz							
Mounting ArrangementsB14Flange Dim.Ø105Shaft Dim. (DE)Ø14x30Rear Shaft End (NDE)NoInsulation RatingFProtection RatingIP55Thermal ProtectorsNoAmbient ConditionsStandardHeatersNoCondensation DrainageNoDevicesNoAccessoriesNoneTerminal Box CoverAluminiumFanPlasticFan CoverStandard	Power	0,37-0,45 kW							
Flange Dim. Ø105  Shaft Dim. (DE) Ø14x30  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  Terminal Box Cover Aluminium  Fan Plastic  Fan Cover Standard	Cooling	Self-Ventilated							
Shaft Dim. (DE) Ø14x30  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  Terminal Box Cover Aluminium  Fan Plastic  Fan Cover Standard	<b>Mounting Arrangements</b>	B14							
Rear Shaft End (NDE) Insulation Rating F Protection Rating IP55 Thermal Protectors No Ambient Conditions Standard Heaters No Condensation Drainage No Devices No Accessories None Terminal Box Cover Fan Plastic Fan Standard	Flange Dim.	Ø105							
Insulation Rating F Protection Rating IP55 Thermal Protectors No Ambient Conditions Standard Heaters No Condensation Drainage No Devices No Accessories None Terminal Box Cover Aluminium Fan Plastic Fan Cover Standard	Shaft Dim. (DE)	Ø14x30							
Protection Rating IP55 Thermal Protectors No Ambient Conditions Standard Heaters No Condensation Drainage No Devices No Accessories None Terminal Box Cover Aluminium Fan Plastic Fan Cover Standard	Rear Shaft End (NDE)	No							
Thermal Protectors No  Ambient Conditions Standard  Heaters No  Condensation Drainage No  Devices No  Accessories None  Terminal Box Cover Aluminium  Fan Plastic  Fan Cover Standard	Insulation Rating	F							
Ambient Conditions  Heaters  No  Condensation Drainage  No  Devices  No  Accessories  Terminal Box Cover  Fan  Plastic  Fan Cover  Standard	Protection Rating	IP55							
Heaters No  Condensation Drainage No  Devices No  Accessories None  Terminal Box Cover Aluminium  Fan Plastic  Fan Cover Standard	Thermal Protectors	No							
Condensation Drainage No  Devices No Accessories None  Terminal Box Cover Aluminium  Fan Plastic  Fan Cover Standard	Ambient Conditions	Standard							
Devices No Accessories None Terminal Box Cover Aluminium Fan Plastic Fan Cover Standard	Heaters	No							
Accessories None Terminal Box Cover Aluminium Fan Plastic Fan Cover Standard	<b>Condensation Drainage</b>	No							
Terminal Box Cover Aluminium  Fan Plastic  Fan Cover Standard	Devices	No							
FanPlasticFan CoverStandard	Accessories	None							
Fan Cover Standard	Terminal Box Cover	Aluminium							
	Fan	Plastic							
MO-Notes No	Fan Cover	Standard							
	MO-Notes	No							

#### **DRAWINGS**

Values expressed in [mm]



PRODUCT DATASHEET

#### **PERFORMANCES**

	Size	n <sub>n</sub> [rpm]	I <sub>n</sub> [A]	M <sub>n</sub> [Nm]	η <sub>n</sub> % (4/4) limit	η <sub>n</sub> % (4/4)	η <sub>n</sub> % (3/4)		cosφ <sub>n</sub>	$\frac{M_s}{M_n}$ $\frac{I_s}{I_r}$		$\frac{s}{n}$ $\frac{M_{max}}{M_n}$	10 <sup>-4</sup> ×Kgm²		Kg			
P <sub>n</sub> [kW]								η <sub>n</sub> % (2/4)			I <sub>s</sub> I <sub>n</sub>		тТ	т ТВ	тТ	т ТВ	Z <sub>0</sub> [10³×1/h]	M <sub>B</sub> [Nm]
0,37	71B4	1380	1,09	2,56		66,1	65,3	-	0,74	2,3	3,7	2,3	8,8	9,9	6,0	8,2	10,0	7,5

#### **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.