



**MLFB-Ordering data:** **1LE7501-0EB42-3FA4-Z**  
**F07+F14+H23+R50**

**Frame size:** 90L

Client order no.:

Item no.:

Order no.:

Consignment no.:

Offer no.:

Project:

Remarks:

U [V]±10%	Δ/Y	f [Hz]±5%	P [kW]	I [A]	n [1/min]	M [kgf.m]	M [Nm]	NOM. EFF at ... load [%] *			Power factor at ... load *			I <sub>A</sub> /I <sub>N</sub> I <sub>L</sub> /I <sub>N</sub>	M <sub>A</sub> /M <sub>N</sub> T <sub>r</sub> /T <sub>N</sub>	M <sub>B</sub> /M <sub>N</sub> T <sub>B</sub> /T <sub>N</sub>	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
415	Y	50	1.50	3.20	1431	1.0	10.0	83.5	83.5	82.9	0.79	0.71	0.58	6.0	2.8	3.1	IE2

Data subject to tolerance as per IS 12615 / IEC 60034-1	SF: 1.00	*sinusoidal feed
Environmental conditions : -20 °C to +50 °C / 1000.0 m	locked rotor withstand time (hot / cold) : 11.0 s / 16.0 s	

Mechanical data		Terminal box											
Sound pressure level 50Hz   60Hz	62 dB(A)   65 dB(A)	Terminal box position	Top										
Type of construction	IM B5 / IM 3001	Material of terminal box	Aluminium										
Bearing DE   NDE	6205 2ZC3   6204 2ZC3	Type of terminal box	TB1 E14										
Type of bearing	Locating (fixed) bearing, NDE	Contact screw thread	M4										
Lubricants	Esso Unirex N3	Max. cross-sectional area	6.0 mm <sup>2</sup>										
Regreasing device	- / -	Cable diameter from ... to ...	4.5 mm - 10.0 mm										
Grease nipple	- / -	Cable entry	1xM16x1,5+1xM25x1,5+1xM20x1,5										
Bearing lifetime	50000 h	Cable gland	2 Plugs										
Degree of protection	IP55	<table border="1"> <thead> <tr> <th colspan="2">Special design</th> </tr> </thead> <tbody> <tr> <td>F07</td> <td>Mounting a brake</td> </tr> <tr> <td>F14</td> <td>Brake supply voltage 415 V AC, 50/60 Hz</td> </tr> <tr> <td>H23</td> <td>Radial sealing ring at the DE for flange types of construction, oil-tight up to 0.1 bar</td> </tr> <tr> <td>R50</td> <td>Larger terminal box</td> </tr> </tbody> </table>		Special design		F07	Mounting a brake	F14	Brake supply voltage 415 V AC, 50/60 Hz	H23	Radial sealing ring at the DE for flange types of construction, oil-tight up to 0.1 bar	R50	Larger terminal box
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R50	Larger terminal box												
External earthing terminal	Yes (standard)												
Vibration severity grade	A (Standard)												
Insulation	155(F) utilized to 130(B)												
Duty type	S1												
Direction of rotation	Bidirectional												
Frame material	Cast iron												
Data of anti condensation heating	- / -												
Coating (paint finish)	Standard paint finish												
Color, paint shade	RAL7030												
Motor protection	(A) without												
Method of cooling	IC411 - Self ventilated, surface cooled												
Forced ventilation motor details	- / -												
Weight in kg, without optional accessories	24 kg												
Rotor weight in kg	4,8 kg												
Moment of inertia	Rotor GD <sup>2</sup> 0.0033 kg m <sup>2</sup>   0.0132 kgf.m <sup>2</sup>												

Notes	
I <sub>A</sub> /I <sub>N</sub> = locked rotor current / nominal current	M <sub>B</sub> /M <sub>N</sub> = break down torque / nominal torque
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