



**MLFB-Ordering data:** **1LE7501-1AB43-5FA4-Z**  
**F07+F14+H23+R50**

**Frame size:** 100L

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	Δ	50	2.20	4.80	1440	1.5	14.6	84.3	84.3	83.3	0.76	0.67	0.54	6.6	2.8	3.0	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) : 8.0 s / 10.0 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	6206 2ZC3	6206 2ZC3		Type of terminal box	TB1 F14
Type of bearing	Locating (fixed) bearing, NDE			Contact screw thread	M5
Lubricants	Esso Unirex N3			Max. cross-sectional area	16.0 mm <sup>2</sup>
Regreasing device	- / -			Cable diameter from ... to ...	11.0 mm - 21.0 mm
Grease nipple	- / -			Cable entry	2xM32x1,5+1xM20x1,5
Bearing lifetime	50000 h			Cable gland	2 Plugs
Degree of protection	IP55			<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; margin: 0;"><b>Special design</b></p> <p><i>F07</i> Mounting a brake  <i>F14</i> Brake supply voltage 415 V AC, 50/60 Hz  <i>H23</i> Radial sealing ring at the DE for flange types of construction, oil-tight up to 0.1 bar  <i>R50</i> Larger terminal box</p> </div>	
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	31 kg				
Rotor weight in kg	7,2 kg				
Moment of inertia	Rotor GD <sup>2</sup>	0.00698 kg m <sup>2</sup>	0.02792 kgf.m <sup>2</sup>		

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