



MLFB-Ordering data: **1LE7503-0EB42-3FA4-Z**
F07+F14+F50+H23+R50

Frame size: 90L

Client order no.:

Order no.:

Offer no.:

Remarks:

Item no.:

Consignment no.:

Project:

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 _A /I _N I _L /I _N	M _A /M _N T _r /T _N	M _L /M _N T _B /T _N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
415	Y	50	1.50	3.10	1423	1.0	10.1	85.3	85.3	82.0	0.79	0.71	0.57	6.5	3.0	3.7	IE3

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) : 12.0 s / 18.0 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 ²
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	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; margin: 0;">Special design</p> <p><i>F07</i> Mounting a brake</p> <p><i>F14</i> Brake supply voltage 415 V AC, 50/60 Hz</p> <p><i>F50</i> Mechanical manual brake release with lever (cannot be locked)</p> <p><i>H23</i> Radial sealing ring at the DE for flange types of construction, oil-tight up to 0.1 bar</p> <p><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	28 kg		
Rotor weight in kg	5,2 kg		
Moment of inertia	Rotor GD ² 0.00365 kg m ² 0.0146 kgf.m ²		

Notes

I_A/I_N = locked rotor current / nominal current M_A/M_N = break down torque / nominal torque
M_L/M_N = locked rotor torque / nominal torque