



MLFB-Ordering data: **1LE7501-1DB23-5AA4**

Frame size: **160M**

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>L</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	11.00	21.00	1465	7.0	72.0	89.8	89.8	87.3	0.80	0.71	0.58	7.0	2.9	2.9	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 / 13.0 s									

Mechanical data			Terminal box	
Sound pressure level 50Hz   60Hz	68 dB(A)	71 dB(A)	Terminal box position	Top
Type of construction	IM B3 / IM 1001		Material of terminal box	Aluminium
Bearing DE   NDE	6309 C3	6309 C3	Type of terminal box	TB1 J04
Type of bearing	Locating (fixed) bearing, NDE		Contact screw thread	M5
Lubricants	Esso Unirex N3		Max. cross-sectional area	25.0 mm <sup>2</sup>
Regreasing device	Yes (standard)		Cable diameter from ... to ...	19.0 mm - 28.0 mm
Grease nipple	M10x1 DIN 3404 A		Cable entry	2xM40x1,5
Relubrication interval/quantity (AS BS)	10 g   10 g 8000 h		Cable gland	2 Plugs
Degree of protection	IP55			
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	96 kg			
Rotor weight in kg	21,9 kg			
Moment of inertia	Rotor GD <sup>2</sup>	0.04643 kg m <sup>2</sup>	0.18572 kgf.m <sup>2</sup>	

### Notes

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