



MLFB-Ordering data: 1LE7501-1AA53-5AA4

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 _A /I _N	M _A /M _N	M _k /M _N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4	I _A /I _N	T _I /T _N	T _B /T _N	
415	Δ	50	3.70	6.90	2845	1.3	12.4	85.9	85.9	85.9	0.87	0.83	0.73	7.0	4.0	4.0	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) : 7.0 s / 14.0 s

Mechanical data			
Sound pressure level 50Hz 60Hz		70 dB(A)	75 dB(A)
Type of construction		IM B3 / IM 1001	
Bearing DE NDE		6206 2ZC3	6206 2ZC3
Type of bearing		Locating (fixed) bearing, NDE	
Lubricants		Esso Unirex N3	
Regreasing device		- / -	
Grease nipple		- / -	
Bearing lifetime		50000 h	
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		35 kg	
Rotor weight in kg		6 kg	
Moment of inertia	Rotor GD²	0.0039 kg m²	0.0156 kgf.m²

Terminal box	
Terminal box position	Top
Material of terminal box	Aluminium
Type of terminal box	TB1 F04
Contact screw thread	M5
Max. cross-sectional area	16.0 mm²
Cable diameter from ... to ...	11.0 mm - 21.0 mm
Cable entry	2xM32x1,5
Cable gland	2 Plugs

Notes

I_A/I_N = locked rotor current / nominal current

M_k/M_N = break down torque / nominal torque

M_A/M_N = locked rotor torque / nominal torque