



MLFB-Ordering data: 1LE7503-1DB23-5FA4

Frame size: 160M

Client order no.:

Item no.:

Order no.:

Consignment no.:

Offer no.:

Project:

Remarks:

U	Δ / Y	f	P	I	n	M	M	NOM. EFF at ... load [%] *			Power factor at ... load *			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
[V]±10%		[Hz]±5%	[kW]	[A]	[1/min]	[kgf.m]	[Nm]	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	11.00	20.00	1469	7.0	72.0	91.6	91.6	90.6	0.83	0.78	0.69	7.5	3.0	3.5	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) : 25.0 s / 33.0 s									

Mechanical data			
Sound pressure level 50Hz 60Hz		64 dB(A)	67 dB(A)
Type of construction		IM B5 / IM 3001	
Bearing DE NDE		6309 C3	6309 C3
Type of bearing		Locating (fixed) bearing, NDE	
Lubricants		Esso Unirex N3	
Regreasing device		Yes (standard)	
Grease nipple		M10x1 DIN 3404 A	
Relubrication interval/quantity (AS BS)		10 g 10 g 8000 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		120 kg	
Rotor weight in kg		27 kg	
Moment of inertia	Rotor GD²	0.0623 kg m²	0.2492 kgf.m²

Terminal box	
Terminal box position	Top
Material of terminal box	Aluminium
Type of terminal box	TB1 J04
Contact screw thread	M5
Max. cross-sectional area	25.0 mm²
Cable diameter from ... to ...	19.0 mm - 28.0 mm
Cable entry	2xM40x1,5
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	