



MLFB-Ordering data: 1LE7501-1AC42-3AA4

Frame size: 100L

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	M _A /M _N	M _K /M _N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4	I _f /I _N	T _f /T _N	T _B /T _N	
415	Y	50	1.50	3.50	945	1.5	15.2	80.6	80.6	80.6	0.74	0.65	0.51	5.2	2.3	2.5	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) : 17.0 s / 24.0 s									

Mechanical data				Terminal box		
Sound pressure level 50Hz 60Hz		61 dB(A)	64 dB(A)	Terminal box position		Top
Type of construction		IM B3 / IM 1001		Material of terminal box		Aluminium
Bearing DE NDE		6206 2ZC3	6206 2ZC3	Type of terminal box		TB1 F04
Type of bearing		Locating (fixed) bearing, NDE		Contact screw thread		M5
Lubricants		Esso Unirex N3		Max. cross-sectional area		16.0 mm²
Regreasing device		- / -		Cable diameter from ... to ...		11.0 mm - 21.0 mm
Grease nipple		- / -		Cable entry		2xM32x1,5
Bearing lifetime		50000 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		30 kg				
Rotor weight in kg		7,7 kg				
Moment of inertia	Rotor GD²	0.00775 kg m²	0.031 kgf.m²			

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	