



MLFB-Ordering data: 1LE7503-0DB32-3KA4

Frame size: 80M

Client order no.:

Order no.:

Offer no.:

Remarks:

U [V]±10%	Δ/Y [Hz]±5%	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/I <sub>N</sub>	M <sub>A</sub> /M <sub>N</sub> T <sub>A</sub> /T <sub>N</sub>	M <sub>K</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	Y	50	0.75	1.70	1445	0.5	5.0	83.2	83.2	82.0	0.75	0.66	0.53	6.5	3.5	3.2	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) : 16.0 s / 21.0 s									

Mechanical data		Terminal box	
Sound pressure level 50Hz   60Hz	60 dB(A)	63 dB(A)	Terminal box position
Type of construction	IM B14 / IM 3601		Material of terminal box
Bearing DE   NDE	6204 2ZC3	6204 2ZC3	Type of terminal box
Type of bearing	Locating (fixed) bearing, NDE		Contact screw thread
Lubricants	Esso Unirex N3		Max. cross-sectional area
Regreasing device	- / -		Cable diameter from ... to ...
Grease nipple	- / -		Cable entry
Bearing lifetime	50000 h		Cable gland
Degree of protection	IP55		2 Plugs
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	21 kg		
Rotor weight in kg	4 kg		
Moment of inertia	Rotor GD <sup>2</sup>	0.00237 kg m <sup>2</sup>	0.00948 kgf.m <sup>2</sup>

### Notes

I<sub>A</sub>/I<sub>N</sub> = locked rotor current / nominal current

M<sub>K</sub>/M<sub>N</sub> = break down torque / nominal torque

M<sub>A</sub>/M<sub>N</sub> = locked rotor torque / nominal torque