

Data sheet for three-phase Squirrel-Cage-Motors

Converter Operation

MLFB-Ordering data: **1LE7503-2BB03-5JA4-Z**
L53

Frame size: **225S**

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 I _L /I _N	M _A /M _N T _r /T _N	M _v /M _N T _B /T _N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
415	Δ	50	37.00	64.00	1478	24.0	239.0	93.9	94.0	93.2	0.85	0.82	0.73	7.5	3.4	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) : 21.0 s / 35.0 s

Mechanical data		Terminal box	
Sound pressure level 50Hz 60Hz	71 dB(A) 74 dB(A)	Terminal box position	Top
Type of construction	IM B35 / IM 2001	Material of terminal box	Cast iron
Bearing DE NDE	6313 C3 6313 C3 INS	Type of terminal box	TB1 L01
Type of bearing	Locating (fixed) bearing, NDE	Contact screw thread	M8
Lubricants	Esso Unirex N3	Max. cross-sectional area	35.0 mm ²
Regreasing device	Yes (standard)	Cable diameter from ... to ...	27.0 mm - 35.0 mm
Grease nipple	M10x1 DIN 3404 A	Cable entry	2xM50x1,5
Relubrication interval/quantity (AS BS)	20 g 20 g 8000 h	Cable gland	2 Plugs
Degree of protection	IP55	<div style="border: 1px solid black; padding: 5px; text-align: center;"> Special design L53 Insulated bearing NDE </div>	
External earthing terminal	Yes (standard)		
Vibration severity grade	A (Standard)		
Insulation	155(F) utilized to 155(F)		
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	315 kg		
Rotor weight in kg	94,6 kg		
Moment of inertia	Rotor GD ² 0.5189 kg m ² 2.0756 kgf.m ²		

Notes

I_A/I_N = locked rotor current / nominal current M_v/M_N = break down torque / nominal torque
M_A/M_N = locked rotor torque / nominal torque