

Data sheet for three-phase Squirrel-Cage-Motors

Converter Operation

MLFB-Ordering data: **1LE7501-3AC23-5AA4-Z**
F70+L53



Frame size: **315M**

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 I _L /I _N	M _A /M _N T _r /T _N	M _L /M _N T _B /T _N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
415	Δ	50	90.00	160.00	990	89.0	868.0	94.2	94.2	94.0	0.83	0.79	0.71	6.8	2.6	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) : 10.0 s / 17.0 s									

Mechanical data				Terminal box	
Sound pressure level 50Hz 60Hz	74 dB(A)	81 dB(A)		Terminal box position	Top
Type of construction	IM B3 / IM 1001			Material of terminal box	Cast iron
Bearing DE NDE	6319 C3	6319 C3 INS		Type of terminal box	TB1 Q01
Type of bearing	Locating (fixed) bearing, NDE			Contact screw thread	M12
Lubricants	Esso Unirex N3			Max. cross-sectional area	240.0 mm ²
Regreasing device	Yes (standard)			Cable diameter from ... to ...	38.0 mm - 45.0 mm
Grease nipple	M10x1 DIN 3404 A			Cable entry	2xM63x1,5
Relubrication interval/quantity (AS BS)	40 g 40 g 6000 h			Cable gland	2 Plugs
Degree of protection	IP55			<div style="border: 1px solid black; padding: 5px;"> Special design F70 Mounting of separately driven fan 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	IC416 - Separately ventilated, surface cooled				
Forced ventilation motor details	71 Frame, 1LE7, 0.37kW,4P, IE3				
Weight in kg, without optional accessories	790 kg				
Rotor weight in kg	230,7 kg				
Moment of inertia	Rotor GD ²	2.7977 kg m ²	11.1908 kgf.m ²		

Notes	
I _A /I _N = locked rotor current / nominal current	M _L /M _N = break down torque / nominal torque
M _A /M _N = locked rotor torque / nominal torque	