SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data: **1LE7501-1DA23-5JA4**

Frame size: **160M**

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 [%] * 4/4	3/4	2/4	Power factor at ... load * 4/4	3/4	2/4	I_A/I_N I_I/I_N	M_A/M_N T_I/T_N	M_K/M_N T_B/T_N	IE-CL
415	Δ	50	11.00	19.00	2920	4.0	36.0	89.6	89.6	89.3	0.89	0.86	0.79	6.0	2.1	2.8	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) : 23.0 s / 37.0 s

Mechanical data

Sound pressure level 50Hz | 60Hz	74 dB(A)	79 dB(A)
Type of construction	IM B35 / IM 2001	
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	98 kg	
Rotor weight in kg	18,9 kg	
Moment of inertia | Rotor GD²	0.00317 kg m²	0.01268 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

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.