SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data: **1LE7501-1BB23-5JA4**

Frame size: **112M**

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 [%] * 4/4	3/4	2/4	Power factor at ... load * 4/4	3/4	2/4	I_A/I_N I_l/I_N	M_A/M_N T_l/T_N	M_K/M_N T_B/T_N	IE-CL
415	Δ	50	3.70	7.40	1445	2.5	24.4	86.3	86.3	86.0	0.81	0.74	0.61	6.5	2.6	2.9	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) : 8.0 s / 10.0 s	

Mechanical data	
Sound pressure level 50Hz | 60Hz	64 dB(A) | 67 dB(A)
Type of construction	IM B35 / IM 2001
Bearing DE | NDE	6206 2ZC3 | 6206 2ZC3
Type of bearing	Locating (fixed) bearing, NDE
Lubricants	Esso Unirex N3
Regreasing device	- / -
Grease nipple	- / -
Bearing lifetime	50000 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	43 kg
Rotor weight in kg	8,9 kg
Moment of inertia | Rotor GD²	0.01055 kg m² | 0.0422 kgf.m²

Terminal box	
Terminal box position	Top
Material of terminal box	Aluminium
Type of terminal box	TB1 F04
Contact screw thread	M5
Max. cross-sectional area	16.0 mm²
Cable diameter from ... to ...	11.0 mm - 21.0 mm
Cable entry	2xM32x1,5
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.