SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data: **1LE7501-3AC23-5AA4**

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 [%] * 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	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

Sound pressure level 50Hz | 60Hz		75 dB(A)	78 dB(A)
Type of construction		IM B3 / IM 1001	
Bearing DE | NDE		6319 C3	6319 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)		40 g | 40 g 6000 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		790 kg	
Rotor weight in kg		230,7 kg	
Moment of inertia	Rotor GD²	2.7977 kg m²	11.1908 kgf.m²

Terminal box

Terminal box position	Top
Material of terminal box	Cast iron
Type of terminal box	TB1 Q01
Contact screw thread	M12
Max. cross-sectional area	240.0 mm²
Cable diameter from ... to ...	38.0 mm - 45.0 mm
Cable entry	2xM63x1,5
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

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