

SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors



MLFB-Ordering data: 1LE7501-2AB53-5JA4

Frame size: 200L

Client order no.:

Item no.:

Order no.:

Consignment no.:

Offer no.:

Project:

Remarks:

U	Δ / Y	f	P	I	n	M	M	NOM. EFF at ... load [%] *			Power factor at ... load *			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
[V]±10%		[Hz]±5%	[kW]	[A]	[1/min]	[kgf.m]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I _A /I _N	T _f /T _N	T _B /T _N	
415	Δ	50	30.00	57.00	1470	20.0	195.0	92.3	92.3	92.0	0.80	0.74	0.63	7.0	2.7	3.2	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) : 15.0 s / 26.0 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		6312 C3	6312 C3	Type of terminal box		TB1 L01
Type of bearing		Locating (fixed) bearing, NDE		Contact screw thread		M6
Lubricants		Esso Unirex N3		Max. cross-sectional area		35.0 mm²
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)		10 g 10 g 8000 h		Cable gland		2 Plugs
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		234 kg				
Rotor weight in kg		52,4 kg				
Moment of inertia	Rotor GD²	0.19525 kg m²	0.781 kgf.m²			

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	