

SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors



MLFB-Ordering data: 1LE7503-1EC43-5AA4

Frame size: 180L

Client order no.:

Order no.:

Offer no.:

Remarks:

Item no.:

Consignment no.:

Project:

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 _f /I _N	T _f /T _N	T _B /T _N	
415	Δ	50	15.00	31.00	978	15.0	146.0	91.4	91.4	90.4	0.73	0.65	0.52	6.3	2.8	3.0	IE3
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) : 18.0 s / 29.0 s									

Mechanical data				Terminal box		
Sound pressure level 50Hz 60Hz		64 dB(A)	67 dB(A)	Terminal box position		Top
Type of construction		IM B3 / IM 1001		Material of terminal box		Aluminium
Bearing DE NDE		6310 C3	6310 C3	Type of terminal box		TB1 J04
Type of bearing		Locating (fixed) bearing, NDE		Contact screw thread		M5
Lubricants		Esso Unirex N3		Max. cross-sectional area		25.0 mm²
Regreasing device		Yes (standard)		Cable diameter from ... to ...		19.0 mm - 28.0 mm
Grease nipple		M10x1 DIN 3404 A		Cable entry		2xM40x1,5
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		220 kg				
Rotor weight in kg		47,5 kg				
Moment of inertia	Rotor GD²	0.1961 kg m²	0.7844 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	