

SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors



MLFB-Ordering data: 1LE7503-0EA02-3FA4

Frame size: 90S

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 _A /I _N	T _A /T _N	T _B /T _N	
415	Y	50	1.50	2.90	2880	0.5	5.0	84.9	84.9	84.9	0.86	0.82	0.71	7.0	2.5	3.5	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) : 9.0 s / 18.0 s									

Mechanical data				Terminal box		
Sound pressure level 50Hz 60Hz		68 dB(A)	73 dB(A)	Terminal box position		Top
Type of construction		IM B5 / IM 3001		Material of terminal box		Aluminium
Bearing DE NDE		6205 2ZC3	6204 2ZC3	Type of terminal box		TB1 E04
Type of bearing		Locating (fixed) bearing, NDE		Contact screw thread		M4
Lubricants		Esso Unirex N3		Max. cross-sectional area		6.0 mm²
Regreasing device		- / -		Cable diameter from ... to ...		4.5 mm - 10.0 mm
Grease nipple		- / -		Cable entry		1xM16x1,5+1xM25x1,5
Bearing lifetime		50000 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		25 kg				
Rotor weight in kg		3,9 kg				
Moment of inertia	Rotor GD²	0.00205 kg m²	0.0082 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	