

SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors



Ordering data: 1LE1501-1AB53-4AB4

Motor type: 1CV2105B

Client order no.:
Order no.:
Offer no.:
Remarks:

Item no.:
Consignment no.:
Project:

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	NOM. EFF at ... load [%]			Power factor at ... load			I_A/I_N I/I_N	M_A/M_N T_f/T_N	M_k/M_N T_B/T_N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
400	Δ	50	3.00	- / -	6.20	1455	20.0	85.5	85.5	84.5	0.82	0.77	0.67	6.9	2.0	3.1	IE2
690	Y	50	3.00	- / -	3.60	1455	20.0	85.5	85.5	84.5	0.82	0.77	0.67	6.9	2.0	3.1	IE2
460	Δ	60	3.45	- / -	6.00	1755	19.0	87.5	87.5	86.5	0.82	0.77	0.67	7.5	2.0	3.1	IE2
460	Δ	60	3.00	- / -	5.40	1765	16.0	87.5	87.5	86.5	0.79	0.74	0.63	8.3	2.4	3.7	IE2
IM B3 / IM 1001			FS 100 L		37 kg	IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Mechanical data			Terminal box	
Sound pressure level 50Hz/60Hz (load)	60 db(A)	62 db(A)	Terminal box position	top
Moment of inertia	0.011 kg m²		Material of terminal box	cast iron
Bearing DE NDE	6206 2ZC3	6206 2ZC3	Type of terminal box	TB1 F01
Bearing lifetime	40000 h		Contact screw thread	M4
Lubricants	Esso Unirex N3		Max. cross-sectional area	4.0 mm²
Regreasing device	No		Cable diameter from ... to ...	11.0 mm - 21.0 mm
Grease nipple	- / -		Cable entry	2xM32x1,5-1xM16x1,5
Type of bearing	Preloaded bearing DE		Cable gland	3 plugs
Condensate drainage holes	Yes (standard)		Environmental conditions	
External earthing terminal	No		Ambient temperature	-20 °C - +40 °C
Vibration class	A		Altitude above sea level	1000 m
Insulation	155(F) to 130(B)		Special design	
Duty type	S1			
Direction of rotation	bidirectional			
Frame material	cast iron			
Data of anti condensation heating	-/-			
Coating	Standard paint finish C2			
Color	RAL7030			
Motor protection	(B) 3 PTC thermistors - for tripping			
Method of cooling	IC411 - self ventilated, surface cooled			