SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data: **1LE1603-2AA52-2AB4**

Motor type: **1CV3205A**

Client order no.: Item no.:
Order no.: Consignment no.:
Offer no.: Project:
Remarks:

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	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
230	Δ	50	37.00	- / -	114.00	2955	120.0	93.7	94.2	94.0	0.88	0.85	0.78	7.1	2.5	3.2	IE3
400	Y	50	37.00	- / -	65.00	2955	120.0	93.7	94.2	94.0	0.88	0.85	0.78	7.1	2.5	3.2	IE3
460	Y	60	41.50	- / -	63.00	3555	111.0	93.6	93.9	93.4	0.89	0.87	0.80	7.1	2.5	3.2	IE3
460	Y	60	37.00	- / -	57.00	3560	99.0	93.0	93.1	92.3	0.88	0.85	0.77	7.6	2.7	3.3	IE3
IM B3 / IM 1001		FS 200 L		250 kg	IP55	CC032A		IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Mechanical data

Sound pressure level 50Hz/60Hz (load)	74 dB(A)	79 dB(A)
Moment of inertia	0.158 kg m²	
Bearing DE | NDE	6312 C3	6312 C3
Relubrication interval/quantity	10 g | 10 g 4000 h	
Lubricants	Esso Unirex N3	
Regreasing device	Yes (standard)	
Grease nipple	M10x1 DIN 3404 A	
Type of bearing	Locating bearing NDE	
Condensate drainage holes	Yes (standard)	
External earthing terminal	Yes (standard)	
Vibration class	A	
Insulation	155(F) to 130(B)	
Duty type	S1	
Direction of rotation	bidirectional	
Frame material	cast iron	
Data of anti condensation heating	-/-	
Coating (paint finish)	Special paint finish C3	
Color, paint shade	RAL7030	
Motor protection	(B) 3 PTC thermistors - for tripping (standard) (2 terminals)	
Method of cooling	IC411 - self ventilated, surface cooled	

Environmental conditions

Ambient temperature	-20 °C - +40 °C
Altitude above sea level	1000 m

Terminal box

Terminal box position	top
Material of terminal box	cast iron
Type of terminal box	TB1 L01
Contact screw thread	M6
Max. cross-sectional area	25.0 mm²
Cable diameter from ... to ...	27.0 mm - 35.0 mm
Cable entry	2xM50x1,5-2xM20x1,5
Cable gland	3 plugs

Special design (0)

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