

Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1CV3252D SIMOTICS XP - 250 M - IM B35 - 8p

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

Remarks

Electrical data II 3G Ex ec IIC T3 Gc
-/-

U	Δ / Y	f	P	P	I	n	M	η ³⁾			cosφ ³⁾			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I _I /I _N	T _I /T _N	T _B /T _N	
DOL duty (S1) - 155(F) to 130(B)																	
400	Δ	50	30.00	-/-	60.00	735	390.0	91.3	91.8	91.5	0.79	0.73	0.62	6.1	2.6	3.0	IE3
690	Y	50	30.00	-/-	35.00	735	390.0	91.3	91.8	91.5	0.79	0.73	0.62	6.1	2.6	3.0	IE3
460	Δ	60	36.00	-/-	61.00	882	390.0	92.4	93.0	92.8	0.80	0.75	0.65	6.2	2.5	2.8	IE3
460	Δ	60	30.00	-/-	53.00	888	325.0	91.7	91.9	91.1	0.77	0.71	0.59	7.0	2.9	3.3	IE3
IM B35 / IM 2001		FS 250 M				IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN						
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 17.3 s 34.6 s								

Mechanical data				
Sound level (SPL / SWL) at 50Hz 60Hz	60 / 74 dB(A) ^{2) 3)}	65 / 79 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.8600 kg m²		Thermal class	F
Bearing DE NDE	6215 Z C3	6215 Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Frame material	cast iron
Regreasing device	Without		Net weight of the motor (IM B3)	370 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing NDE		Color, paint shade	RAL7030
Condensate drainage holes	With (standard)		Motor protection	(A) without (Standard)
External earthing terminal	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box			
Terminal box position	top	Max. cross-sectional area	120 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	34 mm - 42 mm
Type of terminal box	TB1 N01	Cable entry	2xM63x1,5
Contact screw thread	M10		

Notes: I_A/I_N = locked rotor current / current nominal 1) L_{10mh} according to DIN ISO 281 10/2010 3) Value is valid only for DOL operation with motor design IC411
M_K/M_N = locked rotor torque / torque nominal 2) at rated power / at full load
M_B/M_N = break down torque / nominal torque

responsible dep.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.			Link documents	
IN LVM		SPC						
SIEMENS	document type			document status				
	datasheet			released				
	title			document number				
	1MB1533-2CD23-4JA4							
				rev.	creation date	language	Page	
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