

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



Motor type : 1CV3162B

SIMOTICS SD - 160 M - IM B35 - 4p

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

Remarks

Electrical data	Safe Area
	-/-

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)																	
380	Δ	50	11.00	-/-	22.50	1470	71.0	91.4	91.9	91.9	0.82	0.76	0.65	8.0	2.5	3.5	IE3
660	Y	50	11.00	-/-	12.80	1470	71.0	91.4	91.9	91.9	0.82	0.76	0.65	8.0	2.5	3.5	IE3
440	Δ	60	12.60	-/-	21.50	1765	68.0	92.4	92.9	92.6	0.83	0.78	0.68	8.1	3.3	3.5	IE3
440	Δ	60	11.00	-/-	19.30	1775	59.0	92.4	92.6	92.0	0.81	0.75	0.63	9.0	3.8	4.0	IE3
IM B35 / IM 2001		FS 160 M				IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 26.5 s 34.3 s								

Mechanical data				
Sound level (SPL / SWL) at 50Hz 60Hz	67 / 75 dB(A) ^{2) 3)}	70 / 75 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0583 kg m²		Thermal class	F
Bearing DE NDE	6209 2Z C3	6209 2Z 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)	105 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	Without		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box																	
Terminal box position						top			Max. cross-sectional area						16 mm ²		
Material of terminal box						cast iron			Cable diameter from ... to ...						19 mm - 28 mm		
Type of terminal box						TB1 J01			Cable entry						2xM40x1,5		
Contact screw thread						M5			Cable gland						2 plugs		

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_A/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. IN LVM	technical reference	created by SPC	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.			Link documents	
SIEMENS	document type datasheet			document status released				
	title 1LE1503-1DB23-3JA4			document number				
				rev. 951	creation date 2024-01-09	language en		
© INNOMOTICS 2024								