

SIMOTICS SD - 355 L - IM B35 - 2p

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

Remarks

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)																	
400	Δ	50	400.00	-/-	660.00	2986	1280.0	95.8	95.7	95.2	0.92	0.91	0.86	8.5	2.6	3.4	IE3
690	Y	50	400.00	-/-	380.00	2986	1280.0	95.8	95.7	95.2	0.92	0.91	0.86	8.5	2.6	3.4	IE3
460	Δ	60	400.00	-/-	580.00	3590	1060.0	95.8	95.5	94.6	0.91	0.89	0.84	9.4	3.1	3.7	IE3
460	Δ	60	450.00	-/-	640.00	3586	1200.0	95.8	95.5	94.7	0.92	0.90	0.85	8.5	2.9	3.6	IE3
IM B35 / IM2001			FS 355 L				IP55	UKCA		IEC/EN 60034		IEC, DIN, ISO, VDE, EN					
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 37.8 s 62.7 s								

Sound level (SPL / SWL) at 50Hz 60Hz	83 / 98 dB(A) ^{2) 3)}	88 / 103 dB(A) ^{2) 3)}	External earthing terminal	(Standard) Yes	
Moment of inertia	5.4000 kg m²		Vibration severity grade	Grade A	
Bearing DE NDE	6317 C4	6317 C4	Thermal class	F	
permissible lateral force on (N) (N)	X ₀ : 5800	X _{0.5} : 5500	X _{1max} : 5200	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	
Relubrication interval/quantity DE NDE	30 g 30 g 3000 h		Net weight of the motor	2317 kg	
Lubricants	UNIREX N3		Coating (paint finish)	Special paint finish C3	
Regreasing device	-/		Color, paint shade	RAL7030	
Grease nipple	-/		Motor protection	3 PTC thermistors - for tripping (2 terminals)	
Type of bearing	Locating bearing NDE		Method of cooling	IC411 - self ventilated, surface cooled	
Condensate drainage holes	(Standard) Yes				

Terminal box position	box at the angle 45°, socket right	Max. cross-sectional area	300 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	63 mm - 70 mm
Type of terminal box	TB3R01	Cable entry	2xM80x2 - 2xM20x1,5
Contact screw thread	6xM16	Cable gland	-/-

Notes:

I_L/I_N = locked rotor current / current nominal	1) L_{10min} according to DIN ISO 281 10/2010	3) Value is valid only for DOL operation with motor design IC411
M_L/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					
	document type			document status			
	datasheet			released			
	title			document number			
	1LE5603-3BA43-4JB3						
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