

SIMOTICS SD - 180 L - IM B35 - 6p

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

Remarks

Safe Area

U	Δ / Y	f	P	P	I	n	M	$\eta^{(3)}$			$\cos \varphi^{(3)}$			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) - 180(H) to 180(H)																	
500	Δ	50	15.00	-/-	25.00	975	147.0	89.7	90.1	89.5	0.78	0.71	0.59	6.0	2.5	3.1	IE2
575	Δ	60	18.00	-/-	24.50	1170	147.0	91.7	92.2	91.8	0.80	0.74	0.64	6.0	2.4	2.9	IE2
575	Δ	60	15.00	-/-	21.50	1178	122.0	90.2	90.2	89.0	0.77	0.70	0.58	6.9	2.8	3.4	IE2
IM B35 / IM 2001			FS 180 L				IP55	UKCA		IEC/EN 60034		IEC, DIN, ISO, VDE, EN					
Environmental conditions : -20 °C - + °C / 1,000 m										Locked rotor time (hot / cold) : 24.7 s 41.2 s							

Sound level (SPL / SWL) at 50Hz 60Hz	57 / 70 dB(A) ^{2) 3)}	60 / 73 dB(A) ^{2) 3)}	External earthing terminal	Yes (standard)
Moment of inertia	0.1700 kg m²		Vibration severity grade	A
Bearing DE NDE	6310 C3	6310 C3	Thermal class	H
bearing lifetime			Duty type	S1
L _{10mh} F _{rad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Direction of rotation	bidirectional
Relubrication interval/quantity DE NDE	15 g 15 g h		Frame material	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	155 kg
Regreasing device	Yes (standard)		Coating (paint finish)	Special paint finish C3
Grease nipple	M10x1 DIN 3404 A		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(B) 3 PTC thermistors - for tripping (standard) (2 terminals)
Condensate drainage holes	Yes (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	left	Max. cross-sectional area	16 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	19 mm - 28 mm
Type of terminal box	TB1 J01	Cable entry	2xM40x1,5-1xM16x1,5
Contact screw thread	M5	Cable gland	3 plugs

Notes:

I_{Lr}/I_{Ln} = locked rotor current / current nominal	1) L10mh according to DIN ISO 281 10/2010	3) Value is valid only for DOL operation with motor design IC411
M_r/M_{rn} = locked rotor torque / torque nominal	2) at rated power / at full load	
M_b/M_{bn} = 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	
DI MC LVM		DT Configurator					
	document type			document status			
	datasheet			released			
	title			document number			
	1LE1601-1EC44-0JB6-Z						
	D22+N11			rev.	creation date	language	Page
© Siemens AG 2023				935	2023-01-26	en	1/2

SIMOTICS SD - 180 L - IM B35 - 6p

Special design

D22	Motor without CE character for export outside the EEA (see EU regulation 2019/1781)	N11	Temperature class 180(H), and coolant temperature max. 60°C
-----	---	-----	---

Notes:

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
	document type datasheet			document status released			
	title 1LE1601-1EC44-0JB6-Z			document number			
© Siemens AG 2023	D22+N11			rev. 935	creation date 2023-01-26	language en	Page 2/2