

SIMOTICS SD - 180 M - IM B5 - 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	22.00	-/-	38.50	2950	71.0	92.7	93.0	92.4	0.89	0.86	0.79	7.5	2.3	3.5	IE3
460	Δ	60	24.50	-/-	37.50	3550	66.0	91.7	91.7	90.6	0.89	0.88	0.83	7.5	2.3	3.6	IE3
460	Δ	60	22.00	30.00	34.00	3560	59.0	91.7	91.4	90.0	0.89	0.85	0.78	8.2	2.8	3.9	MG1
IM B5 / IM 3001			FS 180 M		CC032A		IP55	UKCA		IEC/EN 60034		IEC, EN, UL, CSA, NEMA MG1-12			kVA Code: K		
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 23.5 s 35.7 s								

Sound level (SPL / SWL) at 50Hz 60Hz	73 / 80 dB(A) ^{2) 3)}	78 / 85 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0800 kg m²		Thermal class	F
Bearing DE NDE	6210 2Z C3	6210 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)	160 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	(B) 3 PTC thermistors - for tripping (2 terminals)
External earthing terminal	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	top	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_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. 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 1LE1523-1EA23-4FB4			document number			
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