

SIMOTICS SD - 180 M - IM B3 - 4p

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	
380	Δ	50	18.50	-/-	36.50	1465	121.0	91.2	92.0	91.9	0.84	0.79	0.69	7.2	2.5	3.4	IE2
660	Y	50	18.50	-/-	21.00	1465	121.0	91.2	92.0	91.9	0.84	0.79	0.69	7.2	2.5	3.4	IE2
440	Δ	60	21.30	-/-	35.50	1765	115.0	92.4	93.0	92.7	0.85	0.81	0.72	6.8	2.5	3.4	IE2
440	Δ	60	18.50	-/-	31.50	1770	100.0	92.4	92.6	91.9	0.83	0.78	0.67	7.7	2.8	3.9	IE2

IM B3 / IM 1001	FS 180 M	160 kg	IP55	IEC/EN 60034	IEC, DIN, ISO, VDE, EN
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Locked rotor time (hot / cold) : 11.8 s | 21.4 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	61.0 / 74.0 dB(A) ²⁾	64.0 / 77.0 dB(A) ²⁾	External earthing terminal	Yes (standard)
Moment of inertia	0.1200 kg m ²		Vibration severity grade	A
Bearing DE NDE	6210 Z C3	6210 Z C3	Insulation	155(F) to 130(B)
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Direction of rotation	bidirectional
Lubricants	Unirex N3		Frame material	cast iron
Regreasing device	No		Coating (paint finish)	Standard paint finish C2
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(A) without (Standard)
Condensate drainage holes	Yes (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	16.0 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	19.0 mm - 28.0 mm
Type of terminal box	TB1 J01	Cable entry	2xM40x1,5-1xM16x1,5
Contact screw thread	M5	Cable gland	3 plugs

Notes:

I_A/I_N = locked rotor current / current nominal
 M_A/M_N = locked rotor torque / torque nominal
 M_K/M_N = break down torque / nominal torque

1) L10mh according to DIN ISO 281 10/2010
2) at rated power / at full load

3) Value is valid only for DOL operation with motor design IC411

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	<i>Technical data are subject to change! There may be discrepancies between calculated and rating plate values.</i>
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1CV2182B

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Special design

F01 Mounting a brake F10 Brake supply voltage 24 V DC

Additional information:

Brake:

Description: BFK458-20 Current: A
Voltage: DC 24 V Moment of inertia: Nm

Notes:

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