

SIMOTICS SD - 280 S - IM B3 - 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	75.00	-/-	127.00	2980	240.0	95.6	95.6	95.0	0.89	0.87	0.80	8.4	2.7	3.5	IE4
690	Y	50	75.00	-/-	74.00	2980	240.0	95.6	95.6	95.0	0.89	0.87	0.80	8.4	2.7	3.5	IE4
460	Δ	60	84.00	-/-	123.00	3580	225.0	95.4	95.2	94.2	0.90	0.88	0.82	8.7	3.0	3.3	IE4
460	Δ	60	75.00	-/-	111.00	3582	200.0	95.0	94.6	93.4	0.89	0.87	0.79	9.5	3.3	3.7	IE4
IM B3 / IM 1001			FS 280 S			IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Environmental conditions : -20 °C - +40 °C / 1000 m

Locked rotor time (hot / cold) : 37 s | 50 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	72 / 86 dB(A) ^{2) 3)}	81 / 94 dB(A) ^{2) 3)}	External earthing terminal	With (standard)
Moment of inertia	0.9400 kg m ²		Vibration severity grade	A
Bearing DE NDE	6315 C3	6315 C3	Thermal class	F
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	25 g 25 g 4000 h		Frame material	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	600 kg
Regreasing device	With (standard)		Coating (paint finish)	Standard paint finish C2
Grease nipple	M10x1 DIN 3404 A		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
Condensate drainage holes	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	120 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	34 mm - 45 mm
Type of terminal box	TB1 N01	Cable entry	2xM63x1,5-2xM20x1,5
Contact screw thread	M10	Cable gland	4 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) L_{10mh} 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.	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			
	1LE1504-2DA03-4AB4						
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