

SIMOTICS SD - 315 M - IM B3 - 4p

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

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)																	
380	Δ	50	132.00	-/-	245.00	1490	850.0	96.4	96.6	96.3	0.85	0.81	0.73	8.2	3.3	3.2	IE4
660	Y	50	132.00	-/-	141.00	1490	850.0	96.4	96.6	96.3	0.85	0.81	0.73	8.2	3.3	3.2	IE4
440	Δ	60	132.00	-/-	215.00	1791	700.0	96.5	96.5	95.9	0.84	0.80	0.71	9.2	3.6	3.6	IE4
440	Δ	60	152.00	-/-	245.00	1790	810.0	96.5	96.6	96.3	0.85	0.82	0.74	8.1	3.2	3.1	IE4
IM B3 / IM1001			FS 315 M			IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Locked rotor time (hot / cold) : 25.4 s | 39.5 s

Sound level (SPL / SWL) at 50Hz 60Hz	67 / 81 dB(A) ^{2) 3)}	72 / 86 dB(A) ^{2) 3)}	Condensate drainage holes	(Standard) Yes	
Moment of inertia	2.9100 kg m²		External earthing terminal	(Standard) Yes	
Bearing DE NDE	6319 C3	6319 C3	Vibration severity grade	Grade A	
permissible lateral force on (N) (N)	x ₀ : 9300	x _{0.5} : 8650	x _{max} : 8000	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	40 g 40 g 6000 h		Frame material	cast iron	
Lubricants	UNIREX N3		Net weight of the motor	942 kg	
Regreasing device	Flat type lubricating nipple		Coating (paint finish)	Standard paint finish C2	
Grease nipple	M10x1 DIN 3404 A		Color, paint shade	RAL7030	
Type of bearing	Locating bearing DE		Motor protection	6 PTC thermistors - for alarm and tripping (4 terminals)	
Bearing insulation DE / Bearing insulation NDE	Yes (Non-drive end)		Method of cooling	IC411 - self ventilated, surface cooled	

Terminal box position	box at the top	Max. cross-sectional area	240 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	34 mm - 45 mm
Type of terminal box	TB1Q01	Cable entry	2xM63x1,5 - 2xM20x1,5
Contact screw thread	6xM12	Cable gland	2 glands

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

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Responsible department IN LVM	Technical reference	Created by SPC	Approved by Created automatically	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
SIEMENS	Document type Technical data sheet			Document status Released			
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D04	Minimum ambient temperature -30°C	R12	Terminal box rotated through 180°
D47	TR CU product safety certificate EAC for the Eurasian Customs Union	R18	Cable gland metal, max. number
L51	Bearing insulation NDE	R62	Cast iron auxiliary terminal box (small)

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