

SIMOTICS SD - 315 L - IM B3 - 6p

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)																	
400	Δ	50	110.00	-/-	193.00	992	1060.0	95.8	96.1	96.0	0.86	0.82	0.73	8.3	2.8	3.5	IE4
690	Y	50	110.00	-/-	112.00	992	1060.0	95.8	96.1	96.0	0.86	0.82	0.73	8.3	2.8	3.5	IE4
460	Δ	60	110.00	-/-	169.00	1193	880.0	96.2	96.3	95.9	0.85	0.80	0.70	9.3	3.1	3.9	IE4
460	Δ	60	132.00	-/-	198.00	1191	1060.0	96.2	96.5	96.4	0.87	0.84	0.76	7.9	2.6	3.3	IE4
IM B3 / IM1001			FS 315 L			IP55	UKCA	IEC/EN 60034			IEC, DIN, ISO, VDE, EN						
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 22.1 s 31.6 s								

Sound level (SPL / SWL) at 50Hz 60Hz	63 / 78 dB(A) ^{2) 3)}	66 / 80 dB(A) ^{2) 3)}	External earthing terminal	(Standard) Yes	
Moment of inertia	4.4900 kg m²		Vibration severity grade	Grade A	
Bearing DE NDE	NU 319	6319 C3	Thermal class	F	
permissible lateral force on (N) (N)	X ₀ : 38500	X _{0,5} : 23000	X _{max} : 15000	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	
Relubrication interval/quantity DE NDE	40 g 40 g 6000 h		Net weight of the motor	1020 kg	
Lubricants	UNIREX N3		Coating (paint finish)	Standard paint finish C2	
Regreasing device	Flat type lubricating nipple		Color, paint shade	RAL7030	
Grease nipple	M10x1 DIN 3404 A		Motor protection	3 PTC thermistors - for tripping (2 terminals)	
Type of bearing	Locating bearing NDE		Method of cooling	IC411 - self ventilated, surface cooled	
Condensate drainage holes	(Standard) Yes				

Terminal box position	box at the top	Max. cross-sectional area	240 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	38 mm - 45 mm
Type of terminal box	TB1Q01	Cable entry	2xM63x1,5 - 2xM20x1,5
Contact screw thread	6xM12	Cable gland	4 plugs

I_R/I_N = locked rotor current / current nominal	1) L_{10th} according to DIN ISO 281 10/2010	3) Value is valid only for DOL operation with motor design IC411
M_R/M_N = locked rotor torque / torque nominal	2) at rated power / at full load	
M_R/M_N = break down torque / nominal torque		

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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 	
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	Document title 1LE5504-3AC43-4AB4-Z			Document number TDS-240717-075320			
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D47	TR CU product safety certificate EAC for the Eurasian Customs Union	L22	Bearing design for increased cantilever forces
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