

SIMOTICS SD - 315 S - IM V1 - 2p

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

Safe Area

-/-

U	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	$\eta^{(3)}$			$\cos\varphi^{(3)}$			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
[V]								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)																	
230	Δ	50	110.00	-/-	320.00	2982	350.0	95.2	95.4	94.9	0.91	0.90	0.85	7.1	2.4	3.1	IE3
400	Y	50	110.00	-/-	183.00	2982	350.0	95.2	95.4	94.9	0.91	0.90	0.85	7.1	2.4	3.1	IE3
460	Y	60	123.00	-/-	179.00	3582	330.0	95.0	95.0	94.2	0.91	0.90	0.85	7.2	2.4	3.0	IE3
460	Y	60	110.00	-/-	160.00	3585	295.0	95.0	94.8	93.8	0.91	0.89	0.84	8.0	2.6	3.3	IE3
IM V1 / IM 3011			FS 315 S			IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 47.6 s 78.8 s								

Sound level (SPL / SWL) at 50Hz 60Hz	75 / 89 dB(A) ^{2) 3)}	79 / 93 dB(A) ^{2) 3)}	External earthing terminal	With (standard)
Moment of inertia	1.3900 kg m²		Vibration severity grade	A
Bearing DE NDE	6316 C3	6316 C3	Thermal class	F
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad,min} for coupling operation 50 60Hz ¹⁾	20000 h	16000 h	Direction of rotation	bidirectional
Relubrication interval/quantity DE NDE	30 g 30 g 3000 h		Frame material	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	750 kg
Regreasing device	With (standard)		Coating (paint finish)	Special paint finish C3
Grease nipple	M10x1 DIN 3404 A		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(B) 3 PTC thermistors - for tripping (standard) (2 terminals)
Condensate drainage holes	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	top	Max. cross-sectional area	150 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	38 mm - 45 mm
Type of terminal box	TB1 Q01	Cable entry	2xM63x1,5-2xM20x1,5
Contact screw thread	M12	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_{br} = 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 	
	Document type Technical data sheet			Document status Released			
	Document title 1LE1603-3AA02-2GB4-Z			Document number TDS-240704-135258			
Restricted © Innomotics 2024	D22+Q02			Revision AA	Creation date 2024-07-04	Language en	Page 1/2

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D22	Motor without CE character for export outside the EEA (see EU regulation 2019/1781)	Q02	Anti-condensation heating for 230 V (2 terminals)
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Space heaters

Technical data:	1-phase, 230 V 109W
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