

Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1CV3204A

SIMOTICS SD - 200 L - IM V1 - 2p

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

Remarks

Electrical data

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)																	
415	Δ	50	30.00	-/-	51.00	2955	97.0	93.3	93.6	93.3	0.87	0.83	0.75	7.0	2.5	3.3	IE3
480	Δ	60	33.50	-/-	50.00	3555	90.0	93.0	93.1	92.6	0.87	0.84	0.77	7.1	2.5	3.3	IE3
480	Δ	60	30.00	40.00	44.50	3560	80.0	92.4	92.2	91.4	0.87	0.83	0.74	7.6	2.9	3.6	MG1
IM V1 / IM 3011		FS 200 L		CC032A		IP55		IEC/EN 60034		IEC, EN, UL, CSA, NEMA MG1-12				kVA Code: J			
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 34.3 s 52.7 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	73 / 80 dB(A) ^{2) 3)}	78 / 86 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.1340 kg m ²		Thermal class	F
Bearing DE NDE	6212 2Z C3	6212 2Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	20000 h	16000 h	Frame material	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	225 kg
Regreasing device	No		Coating (paint finish)	Special paint finish C3
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Locating bearing DE		Motor protection	(A) without (Standard)
Condensate drainage holes	Yes (standard)		Method of cooling	IC411 - self ventilated, surface cooled
External earthing terminal	Yes (standard)			

Terminal box

Terminal box position	top	Max. cross-sectional area	35 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	27 mm - 35 mm
Type of terminal box	TB1 L01	Cable entry	2xM50x1,5-2xM20x1,5
Contact screw thread	M8	Cable gland	4 plugs

Notes:

I _A /I _N = locked rotor current / current nominal	1) L10mh according to DIN ISO 281 10/2010	3) Value is valid only for DOL operation with motor design IC411
M _K /M _N = locked rotor torque / torque nominal	2) at rated power / at full load	
M _B /M _N = break down torque / nominal torque		

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	
DI MC LVM		DT Configurator					
	document type			document status			
	datasheet			released			
	title			document number			
	1LE1523-2AA43-5GA4-Z						
	B02+H00+L20+M11+Q03+R50+R62+S02			rev.	creation date	language	Page
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Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	Q03	Anti-condensation heating 115 V
H00	Canopy	R50	Larger terminal box
L20	Locating bearing, DE	R62	Cast iron auxiliary terminal box (small)
M11	Stainless steel rating plate	S02	Special paint finish C3

Additional information:

Space heaters

Technical data: 1-phase, 115 V 50W

Notes:

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
	document type datasheet			document status released			
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