

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



Motor type : 1CV3204C

SIMOTICS SD - 200 L - IM B3 - 6p

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)																	
400	Δ	50	18.50	-/-	37.00	978	181.0	91.7	92.5	92.4	0.79	0.74	0.64	5.6	2.5	2.6	IE3
690	Y	50	18.50	-/-	21.50	978	181.0	91.7	92.5	92.4	0.79	0.74	0.64	5.6	2.5	2.6	IE3
IM B3 / IM 1001		FS 200 L				IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							Grade 3
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 46 s 65.2 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	63 / 76 dB(A) ^{2) 3)}	64 / 71 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.2800 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} 50 60Hz ¹⁾ for coupling operation	40000 h	32000 h	Frame material	cast iron
Regreasing device	No		Net weight of the motor (IM B3)	215 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing NDE		Color, paint shade	RAL7030
Condensate drainage holes	Yes (standard)		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
External earthing terminal	Yes (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	25 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	M6	Cable gland	4 plugs

Notes:

I_A/I_N = locked rotor current / current nominal
M_K/M_N = locked rotor torque / torque nominal
M_K/M_N = break down torque / nominal torque

1) L10mh 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
DI MC LVM		DT Configurator			
	document type				document status
	datasheet				released
	title				document number
	1LE1503-2AC43-4AB4-Z				
© Siemens AG 2023	D34				rev.
					942
					creation date
					2023-02-16
					language
					en
					Page
					1/2

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



Motor type : 1CV3204C

SIMOTICS SD - 200 L - IM B3 - 6p

Special design

D34

China Energy Efficiency Label

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
	title 1LE1503-2AC43-4AB4-Z				document number
© Siemens AG 2023	D34				rev. 942
					creation date 2023-02-16
					language en
					Page 2/2

