

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



Motor type : 1CV3286A

SIMOTICS SD - 280 M - IM B35 - 2p

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

Electrical data

Safe Area

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	η ³⁾			$\cos\phi$ ³⁾			I_A/I_N I_i/I_N	M_A/M_N T_i/T_N	M_K/M_N T_B/T_N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
400	Δ	50	110.00	-/-	183.00	2975	355.0	95.2	95.4	95.1	0.91	0.90	0.85	7.7	2.5	3.2	IE3
690	Y	50	110.00	-/-	106.00	2975	355.0	95.2	95.4	95.1	0.91	0.90	0.85	7.7	2.5	3.2	IE3
460	Δ	60	123.00	-/-	179.00	3575	330.0	95.0	95.1	94.4	0.91	0.90	0.86	7.6	2.6	3.1	IE3
460	Δ	60	110.00	-/-	160.00	3578	295.0	95.0	94.8	94.0	0.91	0.89	0.84	8.5	2.9	3.5	IE3
IM B35 / IM 2001		FS 280 M		670 kg		IP55		IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Environmental conditions : -20 °C - +40 °C / 1,000 m

Locked rotor time (hot / cold) : 25.8 s | 44 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	75.0 / 89.0 dB(A) ²⁾	79.0 / 93.0 dB(A) ²⁾	External earthing terminal	Yes (standard)
Moment of inertia	1.1000 kg m ²		Vibration severity grade	A
Bearing DE NDE	NU 315	6315 C3	Insulation	155(F) to 130(B)
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	25 g 25 g 4000 h		Frame material	cast iron
Lubricants	Unirex N3		Coating (paint finish)	Standard paint finish C2
Regreasing device	Yes (standard)		Color, paint shade	RAL7030
Grease nipple	M10x1 DIN 3404 A		Motor protection	(A) without (Standard)
Type of bearing	Locating bearing NDE		Method of cooling	IC411 - self ventilated, surface cooled
Condensate drainage holes	Yes (standard)			

Terminal box

Terminal box position	left	Max. cross-sectional area	120.0 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	34.0 mm - 42.0 mm
Type of terminal box	TB1 N01	Cable entry	2xM63x1,5
Contact screw thread	M10	Cable gland	2 plugs

Notes:

I_A/I_N = locked rotor current / current nominal
 M_K/M_N = locked rotor torque / torque nominal
 M_A/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. DI MC LVM	technical reference	created by DT Configurator	approved by	<i>Technical data are subject to change! There may be discrepancies between calculated and rating plate values.</i>			
SIEMENS	document type datasheet	document status released		customer			
	title 1LE1503-2DA63-4JA6-Z L22	document number					
© Siemens AG 2021	rev. 01	creation date 2021-05-26 17:43	language en	Page 1/2			

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



Motor type : 1CV3286A

SIMOTICS SD - 280 M - IM B35 - 2p

Special design

L22 Bearing design for increased cantilever forces

Notes:

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	<i>Technical data are subject to change! There may be discrepancies between calculated and rating plate values.</i>
-------------------------------	---------------------	-------------------------------	-------------	---------------------------------------------------------------------------------------------------------------------

SIEMENS	document type datasheet	document status released	customer	
	title 1LE1503-2DA63-4JA6-Z L22	document number	rev. 01	creation date 2021-05-26 17:43
© Siemens AG 2021			language en	Page 2/2