

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



Motor type : 1CV1282B

- 280 M - IM V1 - 4p

Motor Code 17034

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

Remarks

Electrical data

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	
220	Δ	50.6	90.00	-/-	295.00	1500	573.0	92.6	-/-	-/-	0.87	-/-	-/-	-/-	-/-	2.8	-/-
380	Y	50.6	90.00	-/-	170.00	1500	573.0	92.6	-/-	-/-	0.87	-/-	-/-	-/-	-/-	2.8	-/-
440	Y	60.6	104.00	-/-	170.00	1800	552.0	92.7	-/-	-/-	0.87	-/-	-/-	-/-	-/-	2.7	-/-
IM V1 / IM 3011		FS 280 M		560 kg		IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN				n _{max} 3000 1/min			

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

These values are calculated. The final rating plate data will be calculated when the order is placed
The efficiency values and efficiency class according to EuP directive are valid for standard power ratings under standard conditions.

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	75 / 90 dB(A) ²⁾	76 / 91 dB(A) ²⁾	Insulation	155(F) to 155(F)
Moment of inertia	1.4000 kg m ²		Duty type	S9
Bearing DE NDE	6317 C3	6317 C3	Direction of rotation	bidirectional
Relubrication interval/quantity DE NDE	30 g 30 g 8000 h		Frame material	cast iron
Lubricants	Esso Unirex N3		Data of anti condensation heating	-/- V, -/- W
Regreasing device	Yes (standard)		Coating (paint finish)	
Grease nipple	M10x1 DIN 3404 A		Color, paint shade	
Type of bearing	Locating bearing NDE		Motor protection	(F) 1 temperature sensor KTY84-130
Condensate drainage holes	Yes (standard)		Method of cooling	IC411 - self ventilated, surface cooled
External earthing terminal	No			
Vibration severity grade	A			

Converter data

Feeding	SINAMICS with uncontrolled supply
Recommended converter	-/-

Terminal box

Terminal box position	top	Contact screw thread	M10
Material of terminal box	cast iron	Max. cross-sectional area	120.0 mm ²
Type of terminal box	TB1 N01	Cable diameter from ... to ...	34.0 mm - 42.0 mm

Notes:

I_A/I_N = locked rotor current / current nominal
M_A/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.			
DI MC LVM		DT Configurator					
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Cable entry 2xM63x1,5-2xM20x1,5

Cable gland 4 plugs
-/-

Notes:

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