

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



Motor type : 1CV2286C

INNOMOTICS SD - 280 M - IM B3 - 6p

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

Remarks	Safe Area
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	
DOL duty (S1) - 180(H) to 180(H)																	
380	Δ	60	90.00	-/-	169.00	1185	730.0	94.1	94.8	94.8	0.86	0.83	0.76	6.7	3.0	2.7	IE2
660	Y	60	90.00	-/-	97.00	1185	730.0	94.1	94.8	94.8	0.86	0.83	0.76	6.7	3.0	2.7	IE2
380	Δ	60	75.00	-/-	144.00	1188	600.0	94.1	94.3	93.9	0.84	0.80	0.70	8.0	3.7	3.2	IE2
660	Y	60	75.00	-/-	83.00	1188	600.0	94.1	94.3	93.9	0.84	0.80	0.70	8.0	3.7	3.2	IE2
IM B3 / IM 1001		FS 280 M				IP55	UKCA	IEC/EN 60034			IEC, DIN, ISO, VDE, EN						
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 13.4 s 23.4 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	66 / 80 dB(A) ^{2) 3)}	69 / 83 dB(A) ^{2) 3)}	External earthing terminal	With (standard)
Moment of inertia	1.8000 kg m ²		Vibration severity grade	A
Bearing DE NDE	6317 C3	6317 C3	Thermal class	H
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	30 g 30 g 8000 h		Frame material	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	570 kg
Regreasing device	With (standard)		Coating (paint finish)	Standard paint finish C2
Grease nipple	M10x1 DIN 3404 A		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(A) without (Standard)
Condensate drainage holes	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	120 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	34 mm - 45 mm
Type of terminal box	TB1 N01	Cable entry	2xM63x1,5
Contact screw thread	M10	Cable gland	2 plugs

I_A/I_N = locked rotor current / current nominal
M_K/M_N = locked rotor torque / torque nominal
M_B/M_N = break down torque / nominal torque
1) L_{10mh} 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

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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 	
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Special design

D22	Motor without CE character for export outside the EEA (see EU regulation 2019/1781)	N10	Temperature class 180 (H)
D47	TR CU product safety certificate EAC for the Eurasian Customs Union		

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