

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



Motor type : 1CV3352C INNOMOTICS SD - 355 L - 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 _f /I _N	T _f /T _N	T _B /T _N	
DOL duty (S1) - 155(F) to 130(B)																	
380	Δ	50	315.00	-/-	610.00	993	3050.0	95.8	95.8	95.3	0.82	0.77	0.66	7.8	2.9	3.2	IE3
660	Y	50	315.00	-/-	350.00	993	3050.0	95.8	95.8	95.3	0.82	0.77	0.66	7.8	2.9	3.2	IE3
440	Δ	60	315.00	-/-	530.00	1194	2500.0	95.8	95.7	95.0	0.82	0.77	0.65	9.2	3.2	3.6	IE3
440	Δ	60	380.00	-/-	620.00	1192	3050.0	95.8	95.9	95.5	0.84	0.80	0.70	8.2	2.6	3.0	IE3
IM B3 / IM1001			FS 355 L				IP55	UKCA		IEC/EN 60034		IEC, DIN, ISO, VDE, EN					
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 35.3 s 54.7 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	75 / 90 dB(A) ^{2) 3)}	78 / 94 dB(A) ^{2) 3)}	External earthing terminal	(Standard) Yes
Moment of inertia	11.6000 kg m ²		Vibration severity grade	Grade A
Bearing DE NDE	6320 C4	6320 C4	Thermal class	F
permissible lateral force on (N)	X ₀ : 11200	X _{0.5} : 10500	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{Rad,min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Frame material	cast iron
Relubrication interval/quantity DE NDE	60 g 60 g	6000 h	Net weight of the motor	kg
Lubricants	UNIREX N3		Coating (paint finish)	Special paint finish C3
Regreasing device	Flat type lubricating nipple		Color, paint shade	RAL7030
Grease nipple	M10x1 DIN 3404 A		Motor protection	1 temperature sensor KTY84-130 (2 terminals)
Type of bearing	Locating bearing NDE		Method of cooling	IC411 - self ventilated, surface cooled
Condensate drainage holes	(Standard) Yes			

Terminal box

Terminal box position	box at the angle 45°, socket right	Max. cross-sectional area	300 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	63 mm - 70 mm
Type of terminal box	TB3R01	Cable entry	2xM80x2 - 2xM20x1,5
Contact screw thread	6xM16	Cable gland	-/-

I_f/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 I at full load

3) Value is valid only for DOL operation with motor design IC411

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G03	Mounting of rotary pulse encoder HOG 86E, 1024 l	Q02	Anti-condensation heating for 230 V (2 terminals)
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Space heaters

Technical data:	1-phase, 230V, 218W
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