

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



Motor type : 1CV3220D INNOMOTICS SD Premium Insulation - 225 S - IM V5 - 8p

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) - 155(F) to 130(B)																	
380	Δ	50	18.50	-/-	42.00	732	240.0	90.1	91.3	91.3	0.74	0.69	0.57	5.9	2.4	2.9	IE3
660	Y	50	18.50	-/-	24.50	732	240.0	90.1	91.3	91.3	0.74	0.69	0.57	5.9	2.4	2.9	IE3
440	Δ	60	22.00	-/-	41.50	882	240.0	91.0	92.2	92.3	0.76	0.72	0.61	6.0	2.3	2.8	IE2
440	Δ	60	18.50	-/-	37.50	886	199.0	90.2	90.8	90.2	0.72	0.66	0.54	6.7	2.8	3.3	IE3
IM V5 / IM 1011		FS 225 S				IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 16.4 s 24.6 s								

Mechanical data				
Sound level (SPL / SWL) at 50Hz 60Hz	56 / 70 dB(A) ^{2) 3)}	58 / 72 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.5020 kg m²		Thermal class	F
Bearing DE NDE	6213 Z C3	6213 Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	20000 h	16000 h	Frame material	cast iron
Regreasing device	Without		Net weight of the motor (IM B3)	270 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing NDE		Color, paint shade	RAL7030
Condensate drainage holes	With (standard)		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
External earthing terminal	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box			
Terminal box position	top	Max. cross-sectional area	35 mm²
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	M8	Cable gland	4 plugs