

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



Motor type : 1CV3205B

INNOMOTICS SD - 200 L - IM B3 - 4p

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)																	
230	Δ	50	30.00	-/-	96.00	1470	195.0	93.6	94.0	93.7	0.84	0.80	0.71	7.3	2.6	3.1	IE3
400	Y	50	30.00	-/-	55.00	1470	195.0	93.6	94.0	93.7	0.84	0.80	0.71	7.3	2.6	3.1	IE3
460	Y	60	34.50	-/-	55.00	1770	186.0	93.0	93.3	92.9	0.85	0.81	0.73	7.3	2.4	3.0	IE2
460	Y	60	30.00	40.00	48.00	1778	161.0	94.1	94.2	93.6	0.83	0.79	0.70	8.8	2.6	3.5	MG1
IM B3 / IM 1001		FS 200 L		CC032A		IP55		UKCA		IEC/EN 60034		IEC, EN, UL, CSA, NEMA MG1-12-12			kVA Code: K		
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 29.4 s 45 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	65 / 72 dB(A) ^{2) 3)}	67 / 74 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.2400 kg m ²		Thermal class	F
Bearing DE NDE	NU 212	6212 2Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{Rad min} 50 60Hz ¹⁾ for coupling operation	40000 h	32000 h	Frame material	cast iron
Regreasing device	Without		Net weight of the motor (IM B3)	240 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	(F) 1 temperature sensor KTY84-130 (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	25 mm ²
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	M6	Cable gland	4 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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Special design

G41 Prepared to mount components with D12 shaft L22 Bearing design for increased cantilever forces

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