

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



Motor type : 1CV2130A

INNOMOTICS SD - 132 S - IM B3 - 2p

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)																	
400	Δ	50	5.50	-/-	10.00	2935	17.9	87.0	87.8	86.8	0.91	0.87	0.81	7.3	2.1	2.9	IE2
690	Y	50	5.50	-/-	5.80	2935	17.9	87.0	87.8	86.8	0.91	0.87	0.81	7.3	2.1	2.9	IE2
460	Δ	60	6.30	-/-	9.70	3535	17.0	88.5	89.3	89.0	0.92	0.90	0.84	7.7	1.9	3.0	IE2
460	Δ	60	5.50	-/-	8.60	3545	14.8	88.5	88.5	88.0	0.91	0.88	0.81	8.7	2.2	3.4	IE2
IM B3 / IM 1001		FS 132 S				IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 10.9 s 18.6 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	72 / 80 dB(A) ^{2) 3)}	74 / 82 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0190 kg m ²		Thermal class	F
Bearing DE NDE	6208 2Z C3	6208 2Z C3	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
Regreasing device	Without		Net weight of the motor (IM B3)	57 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Preloaded bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	With (standard)		Motor protection	(A) without (Standard)
External earthing terminal	Without		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	6 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	11 mm - 21 mm
Type of terminal box	TB1 H01	Cable entry	2xM32x1,5
Contact screw thread	M4	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)

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