

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



Motor type : 1CV3252A INNOMOTICS SD - 250 M - 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	55.00	-/-	95.00	2975	177.0	94.3	94.5	93.9	0.89	0.87	0.80	6.7	2.3	3.1	IE3
690	Y	50	55.00	-/-	55.00	2975	177.0	94.3	94.5	93.9	0.89	0.87	0.80	6.7	2.3	3.1	IE3
460	Δ	60	62.00	-/-	92.00	3575	166.0	93.6	93.6	92.7	0.90	0.88	0.82	6.7	2.3	3.0	IE3
460	Δ	60	55.00	-/-	83.00	3578	147.0	93.6	93.4	92.3	0.89	0.87	0.79	7.3	2.5	3.3	IE3
IM B3 / IM 1001		FS 250 M				IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 34.1 s 54.3 s								

Mechanical data				
Sound level (SPL / SWL) at 50Hz 60Hz	73 / 87 dB(A) ^{2) 3)}	76 / 90 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.4600 kg m²		Thermal class	F
Bearing DE NDE	NU 315	6315 Z 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)	385 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing NDE		Color, paint shade	RAL7030
Bearing insulation DE / Bearing insulation NDE	Yes (drive end)		Motor protection	(A) without (Standard)
Condensate drainage holes	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled
External earthing terminal	With (standard)			

Terminal box																	
Terminal box position			left			Max. cross-sectional area			120 mm ²								
Material of terminal box			cast iron			Cable diameter from ... to ...			34 mm - 42 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 1) L_{10mh} according to DIN ISO 281 10/2010 3) Value is valid only for DOL operation with motor design IC411
M_A/M_N = locked rotor torque / torque nominal 2) at rated power / at full load
M_K/M_N = break down torque / nominal torque

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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	
INNOMOTICS	Document type Technical data sheet			Document status Released			
	Document title 1LE1503-2CA23-4AA6-Z			Document number TDS-240826-110649			
Restricted © Innomotics 2024	L28+L50			Revision AA	Creation date 2024-08-26	Language en	Page 1/2

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Special design

L28	Reinforced bearings at both ends DE and NDE, DE bearing for increased cantilevered forces	L50	Bearing insulation DE
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