## nhase Squirrel-Cage-Motors INNOMOTICS



2024-08-02

Data	sheet	for t	hree-pha	ase Squi	irrel-Cag	je-Moto	rs INNON	иотіся	<u> </u>								,	
Motor	type :	1CV42	80A			IN	NOMOTICS	S SD - 28	0 S - IM	B3 - 2n								
Motor type : 1CV4280A  Client order no.					It	INNOMOTICS SD - 280 S - IM B3 - 2p						Offer no.						
Order no											Proje	Project						
Order no.						Consignment no.					Troje	.ct						
Remarks											Saf	e Area						
Electri	cal data	а									-/-							
U	Δ/Υ	f	Р	Р	I	n	М		η <sup>3)</sup>			cosφ	3)	I <sub>A</sub> /I <sub>N</sub>	M <sub>A</sub> /M <sub>N</sub>	M <sub>K</sub> /M <sub>N</sub>	IE-CL	
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I <sub>I</sub> /I <sub>N</sub>	T <sub>I</sub> /T <sub>N</sub>	$T_B/T_N$		
400	Δ	FO	75.00	1	136.00		L duty (S1)	1			0.00	0.00	0.02	0.5	2.0	2.2	154	
400 690	Δ Υ	50 50	75.00 75.00	-l- -l-	126.00 73.00	2978 2978	240.0 240.0	95.6 95.6	95.8 95.8	95.6 95.6	0.90	0.88	0.83	8.5 8.5	2.8	3.2	IE4	
460	Δ	60	75.00	-1-	110.00	3582	200.0	95.0	94.8	94.0	0.90	0.88	0.82	9.5	3.2	3.5	IE4	
460	Δ	60	84.00	-/-	123.00	3580	225.0	95.4	95.4	94.8	0.90	0.90	0.85	8.5	2.9	3.1	IE4	
IM B3 /	IM1001		FS 280 S			IP55	UKCA					E, DIN, ISO, VDE, EN ed rotor time (hot / cold) : 34.1 s   52.9 s						
			onmental c	onditions	: -20 °C	+°C / 100	0 m			Loc	ked rote	or time	(hot / col	d):34.	1 s   52.9	) s		
Mecha	nical d	ata																
Sound	level (SF	PL / SWL)	at 50Hz 60	Hz 73	/ 87 dB(A) <sup>2)</sup>	76 /	90 dB(A) <sup>2) 3)</sup>	Exte	rnal earth	ing termi	inal			(Sta	ndard) Ye	es		
Mome	nt of ine	rtia			0.7	7970 kg m²		Vibra	Vibration severity grade				Grade A					
3 1					315 C3 S0		315 C3 S0	Ther	Thermal class				н					
permis (N)	sible late	eral force	e on (N)	5	x <sub>0</sub> : 300	x <sub>0.5</sub> : x <sub>max</sub> : Duty type 4200					S1							
bearing lifetime						Direction of rotation					bidirectional							
L <sub>10mh</sub> F <sub>Rad min</sub> for coupling operation 40000 h					40000 h	32000 h Frame material					cast iron							
Lubricants						Net weight of the motor				or	556 kg							
7.					,,	lubricating nipple Coating (paint finish)					Standard paint finish C2							
						0x1 DIN 3404 A Color, paint shade					RAL7030							
						ting bearing NDE Motor protection  Standard) Yes Method of cooling					3 PTC thermistors - for tripping (2 terminals)  IC411 - self ventilated, surface cooled							
Conde	nsate dra	ainage n	oies		(St	andard) Yes		Meti	10a ot co	oling			IC411	- seit ver	itilated, st	итасе сс	ooiea	
Termir	nal box																	
Termir	ıal box p	osition			box	x at the top		Max	. cross-se	ctional ar	ea			1	20 mm <sup>2</sup>			
Material of terminal box						cast iron Cable diameter from to				to	34 mm - 45 mm							
Type of terminal box						TB4N01 Cable entry					2xM63x1,5 - 2xM20x1,5							
Contact screw thread						6xM10 Cable gland									-/-			
$M_A/M_N = Io$ $M_K/M_N = bi$	ed rotor cui cked rotor t eak down t	orque / torq orque / nom	ue nominal ninal torque	2)	at rated power								DL operation wi					
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## Data sheet for three-phase Squirrel-Cage-Motors INNOMOTICS



Motor type : 1CV4280	Α	INNO	MOTICS SD - 28	80 S - IM B3 -	- 2p				
Special design									
	class 180(H), and coolant ter	mperature max. 60°C							
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