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

<u>Data</u> :	sheet	for tl	hree-ph	ase Squi	irrel-Cag	e-Moto	rs INNOI	MOTICS	5						-A			
Motor type :1CV4280A						INNOMOTICS SD - 280 S - IM B3 - 2p												
Client order no.					lt	ltem-No.					Offer	Offer no.						
Order no.					C	onsignment n	0.				Proje	Project						
Remarks																		
Electric	al data	a									Safe -/-	e Are	a					
U	Δ/Υ	f	Р	Р	I	n	М		η ³⁾			cosq) ³⁾	I _A /I _N	M_A/M_N	$M_{\rm K}/M_{\rm N}$	IE-CL	
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	1 2/4	I _I /I _N	T _I /T _N	$T_{\rm B}/T_{\rm N}$		
		= 0					L duty (S1	1	l) to 130									
400	Δ Y	50	75.00	-/-	126.00	2978	240.0	95.6	95.8	95.6	0.90	0.8		8.5	2.8	3.2	IE4	
690 460	Δ	50 60	75.00 75.00	-/-	73.00	2978 3582	240.0 200.0	95.6 95.0	95.8 94.8	95.6 94.0	0.90	0.8 0.8		8.5 9.5	2.8 3.2	3.2 3.5	IE4	
460	Δ	60	84.00	-/-	123.00	3580	225.0	95.4	95.4	94.8	0.90	0.9		8.5	2.9	3.1	IE4	
100		00	01.00	,	125.00	3300	225.0		55.1	5 1.0	0.50	0.5	0.05	0.5	2.5	5.1		
IM B3 / II	M1001		FS 280	5		IP55 UKCA IEC/EN 60034 IE				IEC, DIN, IS	C, DIN, ISO, VDE, EN							
		Enviro	onmental o	conditions	: -20 °C	- + °C / 1000 m Locke				cked roto	ed rotor time (hot / cold) : 34.1 s 52.9 s							
Mecha	nical d	ata																
Sound	lovel (SP	91 / SW/L)	at 50HzI60	Hz 73	/ 87 dB(A) ²⁾	3) 76/9	90 dB(A) ^{2) 3)}	Evte	rnal earth	ning term	inal			(Sta	andard) Ye	ac .		
Sound level (SPL / SWL) at 50Hz 60Hz 73 / 87 dB(A) Moment of inertia						 2⁽²⁾³⁾ 76 / 90 dB(A) ²⁽³⁾ External earthing termin 0.7970 kg m² Vibration severity grade 					Grade A							
				f	5315 C3 S0	-	815 C3 S0		rmal class			H						
-		eral force	e on (N)		x ₀ : 300							п S1						
(N) bearing	g lifetim	10		5	300	x0.5:xmax:47504200Direction of retation					bidirectional							
	-		g operatior	1	40000 h	Direction of rotation					cast iron							
					40000 11	32000 h Frame material				or	556 kg							
Lubricants					Elat type l	Net weight of the motor				.01	Standard paint finish C2							
						e lubricating nipple Coating (paint finish) 0x1 DIN 3404 A Color, paint shade					RAL7030							
											3 PTC thermistors - for tripping (2 terminals)							
						ting bearing NDE Motor protection Standard) Yes Method of cooling					3 PIC thermistors - for tripping (2 terminals) IC411 - self ventilated, surface cooled							
Conder	isate uiz	annage n	oles		(31			Wet		onng			104111	- sell vel	itilateu, st		Joleu	
Termin	al box																	
Terminal box position b					bo	box at the top Max. cross-sectional area					rea	120 mm ²						
Material of terminal box						cast iron Cable diameter from to					to	o 34 mm - 45 mm						
Type of terminal box						TB4N01 Cable entry						2xM63x1,5 - 2xM20x1,5						
Contact screw thread						6xM10 Cable gland									-/-			
$M_A/M_N = loc$ $M_K/M_N = bre$	cked rotor to eak down to	orque / nom	que nominal ninal torque	2)) at rated power			communicatio	on thereof to				DOL operation wit			ble for pay	ment of	
		,		J			patent grant or re									,J		
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Motor type : 1CV4280A

INNOMOTICS SD - 280 S - IM B3 - 2p



Special design

N11 Temperature class 180(H), and coolant temperature max. 60°C

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