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



2024-09-23

Motor type : 1CV4280B Client order no.					I.	INNOMOTICS SD - 280 S - IM V1 - 4p					4р Т	Offer pa						
Client order no. Order no.					"	Item-No. Consignment no.						Offer no.						
					C							Project						
Remarks					•						•	Safe A	Area					
Electri	cal data	a									-	/-						
U	Δ/Υ	f	Р	P	1	n	М		η 3)			1	osφ ³⁾		I _A /I _N	M _A /M _N	M _K /M	
[V]		[Hz] [k	[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	1
380	Δ	50	75.00	-/-	136.00	1490	OL duty (S1) 480.0	96.0	96.2	96.	0 0.8	87 (0.84	0.76	8.5	2.8	3.4	IE4
660	Y	50	75.00	-/-	79.00	1490	480.0	96.0	96.2	96.).84	0.76	8.5	2.8	3.4	
440	Δ	60	75.00	-/-	119.00	1792	400.0	96.2	96.2	95.	7 0.8	36 C).82	0.74	10.0	3.2	3.8	IE4
440	Δ	60	86.00	-/-	135.00	1790	460.0	96.2	96.4	96.	1 0.8	37 C).85	0.78	8.9	2.8	3.3	IE4
IM V1 / I	IM V1 / IM3011 FS 280 S				IP55	UKCA	IEC/EN	60034	IEC, [DIN, ISO, Y	/DE, EN,	GB 186	13-2012			Gi	rade 2	
		Enviror	nmental co	nditions :	-20 °C - +4	+40 °C / 1000 m Lock				Locked	ked rotor time (hot / cold) : 32.7 s 46 s							
Mecha	nical d	ata																
Sound	level (SF	L / SWL)	at 50Hz 60I	Hz 64	/ 78 dB(A) ²³) ^{2) 3)} 67 / 82 dB(A) ^{2) 3)} External earthing termi				rminal	nal (Standard) Yes							
·					1.	7400 kg m²	2	Vibr	Vibration severity grade				Grade A					
3 1					6316 C3 S0					F								
permis (N)	sible late	eral force	e on (N)	8	x ₀ : 600	x _{0,5} : 7900	x _{max} : 7200 Duty type				S1							
bearing lifetime <u>Liomh</u> F _{Rad min} for coupling operation 20000 h						Direction of rotation					า	bidirectional 						
50 60F	lz ')				20000 h	20 a 1 20 a					cast iron							
Relubrication interval/quantity DE NDE					8000 h					620 kg								
Lubricants					UNIREX N3 Coating (paint finish)				1)	Standard paint finish C2								
3 3				٠,٠	e lubricating nipple Color, paint shade Ox1 DIN 3404 A Motor protection					RAL7030 3 PTC thermistors - for tripping (2 terminals)								
					ating bearing NDE Method of cooling					IC411 - self ventilated, surface cooled								
					(Standard) Yes							СТП	Jen ver	itilatea, 3	arrace (Looicu		
Termin	al box																	
Termin	al box p	osition			bo	x at the top	ı	Max	. cross-se	ctiona	l area				1	120 mm²		
Material of terminal box					cast iron Cable diameter from to					n to	o 34 mm - 45 mm							
Type of terminal box						TB4N01 Cable entry					2xM63x1,5 - 2xM20x1,5							
Contact screw thread					6xM10 Cable gland					-/-								
$M_A/M_N = local$	cked rotor t		nt nominal que nominal ninal torque) L _{10mh} according) at rated power		10/2010				3) Value is	valid only	for DOL	operation wi	th motor de	sign IC411		
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Special design



Motor type : 1CV4280B INNOMOTICS SD - 280 S - IM V1 - 4p

B12	Sea worthy packaging	J		N3U II	icreased air n	umanyner	nperature with 30 to 6	o g water p	er ms air
D34	China Energy Efficient			N3U II	icreased all 11	umatyrter	nperature with 30 to 0	o g water p	er ms all
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