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Purchase Order Title:	CENTRIFUGAL PUMPS
Suppliers Name:	

Document Description:	MOTOR DATA SHEET
Equipment:	COOLING MEDIUM CIRCULATION PUMP



Department/Author	Customer name	Customer ref.	Item name
Our ref.	Rev/Changed by	Date of issue	Pages 2 of 3

No.	Definition	Data	Unit	Remarks	
1	Product	<i>TEFC, 3-phase, sq/irre/ cage induction motor</i>			
2	Product code	3GGP 312 410-ADG			
3	Type/Frame	M3GP 315MLA 4			
4	Mounting	IM1001, B3(foot)			
5	Rated output PN	200	kW		
6	Service factor	Y			
7	Type of duty	S1(iec) 100%			
8	Rated voltage UN	U	VD	+ 5 % (IEC 60034-1)	
9	Rated frequency !N	60	Hz	+ 2 % (IEC 60034-1)	
10	Rated speed nN	1750	r/min		
11	Rated current !N	346	A		
12	No-load current	98	A		
13	Starting current I _s / !I	6,4		n 7 without positive foierances	
14	Nominal torque TN	1071	Nm		
15	Locked rotor torque T *TN				
16	Maximum torque T _m /T N	2,5			
17	Minimum torque T _{min} /T N	Y,7			
18	Speed at minimum torque	Y494	r/min		
Load characteristics (IEC 60034-2-1 :2014)		Load %	Current A	Efficiency %	Power factor
19	PLL determined from residual loss	100	346	95,2 / IE2	0,88
20		75	263	95,4	0,86
21		50	187	95,0	0,81
22		Start	2215		0,31
23	Maximum starting time from hot	23	S		
24	Maximum starting time from cold	42	S		
25	Insulation class / Temperature class	F/ B			
26	Ambient temperature	45	°C		
27	Altitude	1000	m.a.s.l.		
28	Enclosure	IP56			
29	Cooling system	IC411 se/lventi/atecf			
30	Bearing DE/NDE	6319/C3 - 6316/C3			
31	Type of Grease	grease nipples			
32	Sound pressure level (LP dB(A) 1m)	T4+3	dB(A)	at no load	
33	Moment of inertia J = 1/2 GD ²	3,5	kg-m ²		
34	Balancing	hall'key			
35	Vibration class	class A acc. to IEC 60034-14			
36	Position of terminal box	Top			
37	Terminal box entries; no, dimens.				
38	Number of power terminals	6		Cable gland ,ize: 2 x M50 x 1.5	
39	Direction of rotation	CW or CCW			
40	Weight of rotor	275	kg		
41	Total weight of motor	1160	kg		
42	Anti-condensation Heater		(Yes)		
43	Winding Temperature detectors		(Yes)		
44	Running up (starting) times (at 100% & 80% of Un)				
45		INDICATE WINDING TEMPERATURE REQUIREM NT			
Ex-motors					
46	Type of protection	Ex ec IIC T3 Gc			
47	EC Type Examination No	DEMKO 18 ATEX 2076 X			
48					
Option Variant Codes / Definition					
49		Add Lubrication information for Motor bearings same with other motor datasheets.			
51					
52					

Remarks:

All data subject to tolerances in accordance with IEC