Technical Data Sheet

	Project Location		
Item name:	Customer name		PO.No :N/M
Author:	Reference No.		Pages:1/1
Project contacts:	Date of issue	2023-9-8	

	Definition	Date	Unit	Remarks	
1	Product	3-phase Squirrel cage LV VFD Motor(5-50Hz)			
2	Product code	IEC60034-1			
3	Type/Frame	GM-YPT-315-4			
4	Mounting	IMB3		IEC60034-7	
5	Rated output P_N	315		kW	
6	Service factor	1.0			
7	Type of duty	S1(IEC)100%			
8	Rated voltage U_N	500 /865 V		±5%(IEC 60034-1)	
9	Rated frequency f_N	50 Hz			
10	Rated speed n_N	1485		r/min	
11	Rated current I_N	438 /253		A(ampere)	
12	No-load current	110 /63		A(ampere)	
13	Starting current I_S/I_N	/		IEC60034-12 design N,H	
14	Nominal torque T_N	2025.8		Nm	
15	Locked rotor torque T_S/T_N	/			
16	Maximum torque T_{max}/T_N	2.0			
19		Load %	Current A	Efficiency %	Power factor
20	Load characterustics(IEC 60034-2-1:2007)PLL	100%	438 /253	95.5%	0.87
21	determined from residual loss	75%	342 /197	95.3%	0.75
22		50%	254 /147	94.8%	0.70
23	Maximum starting time from hot	20	s		
24	Maximum starting time from cold	40	s		
25	Starting times Cold/Hot	3/2			
26	Insulation class/ Temperature	F/B			
27	Ambient temperature	-15 ~ 40	℃		
28	Altitude	Less than 1000 m.a.s.l.			
29	Enclosure	IP55		IEC60034-5	
30	Cooling system(Method)	IC411		IEC60034-6	
31	Bearing DE/NDE	Roller Bearing/Insulated Ball Bearing			
32	Type of Grease	No. 3 lithium base grease			
33	Sound pressure level(LP Db(A) 1m)	Less Than 94dB(A)		at load(IEC60034-9)	
35	Balancing	Rotor dynamic balance			
36	Vibration class	less than 2.3mm/s		IEC60034-14	
37	Position of terminal box	on the top of motor			
39	Number of power terminals	2			
40	Direction of rotation	CW or CCW		IEC60034-8	
41	Total weight of motor	2000kg			
42	Dimension drawing no.	23-09-08009			
43	Bearing Temperature sensors	2*PT100		IEC60034-11	
44	Stator Temperature sensors	6*PT100			
45	Space heater spe.	1 phase 220-240V 50Hz			
46	Thermal sensor	Type Philips (KTY)-PTY84-130			
47	Inverter Duty	(5-50Hz)			
48	Encoder Eltra	EH-80			

Remarks:
Date bassed on situation 20-Oct-15
All data subject to tolerances in accordance with IEC60034-1
Guranteed values on request