



Three Phase AC Motor Data Sheet

VISUND

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Tag No. EM-05-0100/EM-05-0200/EM-05-0300/EM-05-0400	Location/Module C30/D30/P30
Unit WINDLASS MAIN MOTOR 200KW	No. req'd 4
SEE ITEM 31 FOR COMPLETE TAGNO LIST	
Service _____	Inquiry No. _____
Size & Type 355M & 1MJ2 353-46660-Z	Quote No. _____
Supplier MARITIME PUSNES	P.O. No. 20200
Manufacturer SIEMENS AS	Job No. _____
Model 1MJ2 353-46660-Z	Serial No. 672874-001/2/3/4

1 Company Data	
2 Nominal Power System	V/Hz: 690 / 50
3 Winding Connection	Star or Delta: STAR
4 Synchronous Speed	rpm: _____
5 Duty Type S1 AT 43 Hz	
6 Starting Method FREQUENCY CONVERTER	
7 Winding Temp. Sensors 3 OFF for ALARM + 3 OFF for TRIP	
8 Bearing Temp. Sensors -	
9 Vibration Detectors, -	
10 Permissible Starting Current Times In	
11 Construction	
12 IEC Standard	No: 34 & 79
13 Degree of Protection	IP: 56
14 Insulation Class	Stator/Rotor: F / F limited to B rise
15 EEx Protection EE x e de	
16 Temperature Class T3	
17 Gas Group IIA	
18 Cooling Method TEFC	
19 Environmental Condition	
20 Hazardous Area Classification SAFE for 2 off, ZONE 2 for 2 off	
21 Ambient Temperature	Max/Min. °C: 35 / -7
22 Space Heater Voltage A.C.	V: 230 V
23	
24 Cables and Terminals	
25 Terminal Boxes Degree of Protection	IP: 56
26 Terminal Boxes EEX Protection EE x e	
27 Power Cable 3 x 150 mm²/Outer Dia.	mm: 59.5 +/- 3.0
28 Heater Cable 2 x 2.5 mm²/Outer Dia.	mm: 14.0 +/- 1.0
29 Junction Boxes Position at side seen from Motor Drive End	
30	Thermistor/Speed Contr. cabl.: See note 2
31 Notes EM-05-0100/0200/0300/0400	WINDLASS MAIN MOTOR
32	
33	Note 2. Thermistor cable: 7 x 1.5mm² 17.5 +/- 1.0
34	Speed Control 3 x 1.5mm² 14.0 +/- 1.0
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47 Supplier Data, Driven Equipment			
48	Type		
49	Max Absorbed Power	kW:	
50	Normal Absorbed Power	kW:	
51	Starting Torque Required	Nm:	
52	Max/Normal Torque Required	Nm:	
53	Speed /Torque Curve Number		
54	Inertia J=GD ² /4	kg m ² :	
55	Duty Type		
56	Direction of Rotation seen Towards Drive End	CW ☒ CCW ☒	
57	Shaft or Belt Driven	SHAFT	
58	Thrust Transmitted to Motor	N: NO (FLEX. COUPL.)	
59	Mounting of Motor	Horizontal ☒ Vertical ☐	
60			
61	Notes		
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70 Motor Manufacturer Data			
71	Type Code	1MJ2 353-46660-Z	
72	Serial No	672874-001/002/003/004	
73	Rated Output Duty Type S1	kW:	250
74	Full Load Speed	rpm:	1485
75	Temperature Rise	°C:	70
76	Rated Current I _N	Amp:	243
77	Starting Current I _s	xI _N :	6.5
78	Efficiency 1/1-3/4-1/2 Load	%:	96 - 95.5 - 94
79	Power Factor 1/1-3/4-1/2 Load	Cos phi:	0.9 - 0.87 - 0.83
80	Starting Power Factor	Cos phi:	0.4
81	Allowable Starting Voltage Drop	%:	10
82	Num. of Allow. Consecutive Starts Cold	NA	
83	Num. of Allow. Consecutive Starts Hot	NA	
84	Num. of Allowable Starts pr. Hour	NA	
85	Thermal Time Constant EEXe Motor	Sec.:	NA
86	Allowable Locked Rotor Time Cold	Sec.:	40
87	Allowable Locked Rotor Time Hot	Sec.:	15
88	Starting Time Nominal Voltage	Sec.:	PROGRAMABLE
89	Starting Time at 80% Voltage	Sec.:	PROGRAMABLE
90	Speed/Torque Curve No	Ref. 21-1A-HM-S70-09200-6514	
91	Notes		
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Construction			
101	Insulation Class	Stator/Rotor:	F/F
102	Mounting Arrangement	B3 ☒ B10 ☐ V1 ☐ Other	
103	Cooling Method	FOR	
104	Cooling Fan Material	POLYPROPYLEN	
105	Nameplate Material External/Internal	ST. STEEL	
106	Frame Size	355M	
107			
Mechanical			
109	Inertia J=GD ² /4	kgm ² :	4.8
110	Rated Torque	Nm:	1610
111	Locked Rotor Torque	%:	150
112	Breakdown Torque	%:	270
113	Bearing Drive End	NU 320 - C3	
114	Bearing Non Drive End	6320 - C3	
115	Lubricaton System	GREASE	
116	Noise Level Nominal Load/Speed	dBA:	75 dba + 6 - 10dba for conv. drive
117	Weight Total	kg:	2600
118	Rotor Weight	kg:	na
119	Drain Arrangement	na	
120			
Various			
122	EEx Certificate Issued by	DTB	
123	EEx Certificate Number	84/3305	
124	EEx Classification	EExde	
125	Motor Production, Serial Number	672874 001/002/003/004	
126	Space Heater Power	kW:	0.35
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132	Notes		
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