



ELECTRIC MOTOR SPECIFICATION

No. 0124-3233-4
Date/sign.: 01Dec06/SSY
Page: 1 of 2
Rev.:

Line	Manufacturer & type		Rev.
01	Manufacturer	ABB	
02	Model	M3KP250SMB2	
03	FM art. no.	A57378-GL/CCS	
	Output		
04	Power rating (min.)	86.0 kW	
05	Power factor (Cosφ) at FL	0.90	
06	Efficiency at FL	95.0 %	
07	Speed synchronous / FL	3600 / 3563 rpm	
08	Sound pressure level, Lp at FL	84 + 3 dB(A) at 1 meter	
	Supply		
09	Volts / cycles / phases	440 VΔ / 60 Hz / 3 Ph	
10	Current FL / DOL start	133 / 984 A	
	Construction		
11	Cooling method (IEC 34-6)	IC 411	
12	Construction to satisfy the rules of	GL & CCS	
13	Ambient temperature	45°C	
14	Design (IEC 34-7)	IM 3011 (V1) with protective cover	
15	Size and dimensions (IEC 72)	60F500	
16	Protection (IEC 34-5 / IEC 79)	IP55 / EExdeIICT4	
17	Insulation cl (IEC 85) / temp. rise	F / F	
18	Casing / terminal box material	Cast Iron	
19	Bearings DE/NDE	6315MC3 / 6313MC3	
20	Moment of inertia	0.57 kgm ²	
21	Weight	480 kg	
22	Vibration (IEC 34-14)	N	
23	Balancing convention (ISO 8821)	H	
	Installation		
24	Starting method	DOL	
25	Duty type	S1	
26	Rotation	CW/CCW	
27	Driven machine	Propeller pump	
28	Wiring connection	Delta	
29			



ELECTRIC MOTOR SPECIFICATION

No. 0124-3233-4
Date/sign.: 01Dec06/SSY
Page: 2 of 2
Rev.:

Line	Documents required		Rev.
30	GL certificate		
31	CCS certificate		
32			
33			
34			
35			
36			
Special requirements			
37	Anti-condensation heater	50 W / 220 V	
38	PTC-thermistors in stator winding	3 in series (150°C) for tripping	
39	Terminal box	Size	Makers standard
		Location	Makers standard
		Cable entries mains	FI 21
		Cable entries aux.	
40	Grease nipples	ISO 7824 – 4 – brass	
41	External earthing bolt	1	
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
53			
54			
55			
56			
57			
58			