



Test Report				Date of issue: 28.8.2013					
				Serial No.: 3GF11094424					
				Type: M3GP 225SMB 8 IMB3/IM1001					
				Product Code: 3GGP224220-ADD					
				Protection type: Ex nA II C T3 Gc					
				Cert. No.: LCIE 13 ATEX 1034 X					
				IECEX LCIE 13.0047X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3-Motor	400	D	50	22	732	45,5	0,77 S1		
Insul.cl.F	415	D	50	22	733	44,9	0,75 S1		
IP55	690	Y	50	22	732	26,4	0,77 S1		
400 V 50Hz : 90.6(100%) - 91.2(75%) - 90.6(50%)									
Resistance Line			Ambient: 21,0 °C		Insulation resistance at 35,0 °C		Overload		
U ₁ - V ₁			0,29520 Ω		3000 MΩ		Torque 160 % 15s		
U ₁ - W ₁			0,29540 Ω		1000 V				
V ₁ - W ₁			0,29510 Ω		High-voltage test winding		2900 V 1 s		
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1 [kW]	Output P2 [kW]	n[r/min]	cos φ	η [%]
No load test		400,0 D	50	21,1	0,67		750	0,05	
Locked rotor test		106,5 D	50	45,4	2,61		0	0,31	
Thermal test (100% load)	287,0	400,1 D	50	45,3	24,3	22,0	732	0,78	90,4
Partial load points:									
~75% load	215,2	400,0 D	50	36,4	18,1	16,5	737	0,72	91,2
~50% load	143,5	400,1 D	50	28,8	12,1	11,0	742	0,61	91,0
~25% load	71,5	400,1 D	50	23,1	6,30	5,50	746	0,39	87,3
Temperature rise at rated load.			[°C]	[K]	Method		Measurement method		
Stator winding :				66,5	1		1 Resistance		
Frame :				42,4	2		2 Thermometer		
Bearing D-end :				45,5	2		3 Thermocouples		
Ambient Temperature :			25,0		2				
Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.									
On behalf of customer									
On behalf of manufacturer			Date of test		7.2.2012				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211			
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