



Test Report				Date of issue: 28.8.2013					
				Serial No.: 3GF11094435					
				Type: M3GP 225SMC 8 IMB3/IM1001					
				Product Code: 3GGP224230-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		690	Y	50	30	731	35,5	0,78	S1
Insul.cl.F		400	D	50	30	731	61,2	0,78	S1
IP55		415	D	50	30	732	61,2	0,75	S1
400 V 50Hz : 90,7(100%) - 91.5(75%) - 91.3(50%)									
Resistance				Insulation resistance at 39,0 °C		Overload			
Line				1800 MΩ		1000 V		Torque 160 % 15s	
U ₁ - V ₁				0,21000 Ω					
U ₁ - W ₁				0,21000 Ω					
V ₁ - W ₁				0,21000 Ω					
				High-voltage test winding		2400 V		60 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	28,9	0,91		750	0,05	
Locked rotor test		109,5	D 50	61,2	3,78		0	0,33	
Thermal test (100% load)	391,9	400,0	D 50	62,6	33,4	30,0	729	0,77	89,7
Partial load points:									
~75% load	293,8	400,1	D 50	50,0	24,8	22,5	735	0,72	90,7
~50% load	195,6	400,0	D 50	39,3	16,5	15,0	740	0,61	90,7
~25% load	98,1	400,1	D 50	31,4	8,60	7,50	745	0,40	87,2
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				79,3	1	1		Resistance	
Frame :				46,6	2	2		Thermometer	
Bearing D-end :				53,4	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		12.3.2012					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone		+358 10 2211	
						Telefax		+358 10 22 47372	

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