



Test Report				Date of issue: 28.8.2013					
				Serial No.: 3GF11094413					
				Type: M3GP 250SMB 8 IMB3/IM1001					
				Product Code: 3GGP254220-ADD					
				Protection type: Ex nA II C T3 Gc					
				Cert. No.: LCIE 13 ATEX 1034 X <u>IECEx LCIE 13.0047X</u>					
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor		400	D	50	37	737	74,2	0,78	S1
Insul.cl.F		415	D	50	37	738	72,2	0,77	S1
IP55		690	Y	50	37	737	43	0,78	S1
400 V 50Hz : 92.2(100%) - 91.7(75%) - 91.0(50%)									
Resistance			Ambient: 22,5 °C		Insulation resistance at 35,0 °C		Overload		
Line					12000 MΩ 1000 V		Torque 160 % 15s		
U ₁ - V ₁			0,12991 Ω						
U ₁ - W ₁			0,12985 Ω						
V ₁ - W ₁			0,12993 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		400,1 D	50	33,6	0,96		750	0,04	
Locked rotor test		91,0 D	50	74,3	3,34		0	0,29	
Thermal test (100% load)	479,4	400,1 D	50	73,3	40,0	37,0	737	0,79	92,5
Partial load points:									
~75% load	359,4	400,1 D	50	58,7	29,8	27,8	741	0,73	93,1
~50% load	238,3	400,1 D	50	46,1	20,0	18,5	744	0,63	92,7
~25% load	119,8	400,1 D	50	36,6	10,4	9,25	747	0,41	89,4
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				56,3	1	1		Resistance	
Frame :				30,5	2	2		Thermometer	
Bearing D-end :				43,6	2	2		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		17.3.2012				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

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