



Test Report				Date of issue: 28.8.2013					
				Serial No.: 3GF12103383					
				Type: M3GP 250SMB 4 IMB3/IM1001					
				Product Code: 3GGP252220-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	75	1476	77	0,86	S1	
Insul.cl.F		400	D 50	75	1476	133	0,86	S1	
IP55		415	D 50	75	1478	130	0,85	S1	
Eff class IE2		50Hz : IE2 - 94,3(100%) - 94,5(75%) - 94,2(50%)							
Resistance			Ambient: 21,5 °C		Insulation resistance at 47,5 °C		Overload		
Line					1900 MΩ		1000 V		
U <sub>1</sub> - V <sub>1</sub>			0,04828 Ω				Torque 160 % 15s		
U <sub>1</sub> - W <sub>1</sub>			0,04826 Ω						
V <sub>1</sub> - W <sub>1</sub>			0,04829 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]	η[r/min]	cos φ	η [%]
No load test		400,1 D	50	43,6	1,49		1500	0,05	
Locked rotor test		75,7 D	50	133,0	6,30		0	0,36	
Thermal test (100% load)	485,3	400,1 D	50	134,9	80,1	75,0	1480	0,86	93,7
Partial load points:									
~75% load	363,4	400,1 D	50	104,4	59,8	56,3	1485	0,83	94,1
~50% load	242,5	400,1 D	50	77,1	40,0	37,5	1490	0,75	93,8
~25% load	121,6	400,1 D	50	54,7	20,6	18,8	1495	0,54	90,9
Temperature rise at rated load.				°C	K	Method		Measurement method	
Stator winding :				61,4	1	1 Resistance			
Frame :				27,3	2	2 Thermometer			
Bearing D-end :				49,0	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		26.2.2012					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

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