



Test Report				Date of issue: 28.8.2013							
				Serial No.: 3GF12103382							
				Type: M3GP 225SMB 6 IMB3/IM1001 Product Code: 3GGP223220-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	985	33,2	0,82	S1
Insul.cl.F				400	D	50	30	985	57,2	0,82	S1
IP55				415	D	50	30	986	55,8	0,81	S1
Eff class IE2				400 V 50Hz: IE2 - 92.2(100%) - 92.6(75%) - 92.2(50%)							
Resistance				Insulation resistance at 32,5 °C				Overload			
Line				Ambient: 21,5 °C				6000 MΩ 1000 V			
U <sub>1</sub> - V <sub>1</sub>				0,16727 Ω				Torque 160 % 15s			
U <sub>1</sub> - W <sub>1</sub>				0,16729 Ω							
V <sub>1</sub> - W <sub>1</sub>				0,16750 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]	η[r/min]	cos φ	η [%]		
No load test		400,0	D 50	24,0	0,83		998	0,05			
Locked rotor test		85,0	D 50	57,2	3,44		0	0,41			
Thermal test (100% load)	290,9	400,0	D 50	57,9	32,6	30,0	984	0,81	92,1		
Partial load points:											
~75% load	218,1	400,0	D 50	45,5	24,3	22,5	988	0,77	92,6		
~50% load	145,4	400,1	D 50	34,7	16,3	15,0	993	0,68	92,3		
~25% load	72,6	400,0	D 50	26,5	8,45	7,50	996	0,46	88,8		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :					69,4	1		1 Resistance			
Frame :					38,9	2		2 Thermometer			
Bearing D-end :					48,8	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		24.2.2012						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland								Telephone +358 10 2211 Telefax +358 10 22 47372			

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