



Test Report				Date of issue: 28.8.2013					
				Serial No.: 3GF10034460					
				Type: M3GP 250SMB 2 IMV1/IM3011					
				Product Code: 3GGP251220-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	75	2969	129	0,89	S1		
Insul.cl.F	415	D 50	75	2972	124	0,89	S1		
IP55	690	Y 50	75	2969	75	0,89	S1		
400 V 50Hz : IE2 - 94,0(100%) - 94,0(75%) - 93.2(50%)									
Resistance				Insulation resistance at 38,0 °C		Overload			
Line	Ambient: 22,5 °C			5700 MΩ 1000 V		Torque 160% 15s			
U ₁ - V ₁	0,03631 Ω								
U ₁ - W ₁	0,03632 Ω								
V ₁ - W ₁	0,03631 Ω								
				High-voltage test winding 1900 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		400,1 D	50	29,1	2,16		2998	0,11	
Locked rotor test		75,5 D	50	129,4	4,82		0	0,28	
Thermal test (100% load)	241,2	400,4 D	50	129,7	80,0	75,0	2969	0,89	93,7
Partial load points:									
~75% load	180,7	400,6 D	50	98,8	60,0	56,3	2980	0,88	93,8
~50% load	120,3	400,9 D	50	70,2	40,3	37,5	2988	0,83	93,0
~25% load	60,7	400,5 D	50	44,9	21,1	18,8	2997	0,68	89,0
Temperature rise at rated load.		[°C]		[K]		Method		Measurement method	
		Stator winding :		64,6		1		1 Resistance	
		Frame :		33,1		2		2 Thermometer	
		Bearing D-end :		46,3		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		17.9.2010					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372	

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