



Test Report				Date of issue: 26.8.2013					
				Serial No.: 3GF11059981					
				Type: M3GP 160MLA 6 IMB3/IM1001					
				Product Code: 3GGP163410-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	690	Y 50	7,5	968	9,2	0,78	S1		
Insul.cl.F	400	D 50	7,5	968	15,8	0,78	S1		
IP55	415	D 50	7,5	970	15,4	0,77	S1		
Eff class IE2 87.2(100%) - 88.4(75%) - 88.2(50%)									
Resistance Line				Insulation resistance at 35 °C		Overload			
Ambient: 20 °C				10000 MΩ 1000 V		Torque 160% 15s			
U <sub>1</sub> - V <sub>1</sub> 0,85050 Ω									
U <sub>1</sub> - W <sub>1</sub> 0,85080 Ω									
V <sub>1</sub> - W <sub>1</sub> 0,85160 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		400,5 D	50	7,1	0,26		998	0,05	
Locked rotor test		103,0 D	50	14,8	0,88		0	0,33	
Thermal test (100% load)	73,6	400,4 D	50	15,8	8,6	7,5	967	0,78	87,7
Partial load points:									
~75% load	55,7	400,4 D	50	12,6	6,3	5,6	978	0,72	89,2
~50% load	35,8	400,1 D	50	9,8	4,2	3,8	987	0,62	89,6
~25% load	18,4	400,3 D	50	7,8	2,2	1,9	995	0,40	86,1
Temperature rise at rated load.				°C	K	Method		Measurement method	
Stator winding :				41	1			1 Resistance	
Frame :				24	2			2 Thermometer	
Bearing D-end :				24	2			3 Thermocouples	
Ambient Temperature :				25	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		2.2.2012					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372	

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