



Test Report				Date of issue: 28.8.2013						
				Serial No.: 3GF10029779						
				Type: M3GP 180MLB 8 IMV6/IM1031						
				Product Code: 3GGP184420-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		400	D 50	11	723	24,9	0,72	S1		
Insul.cl.F		415	D 50	11	725	24,7	0,70	S1		
IP56		690	Y 50	11	723	14,4	0,72	S1		
Ambient temp. -20°C...+45°C										
		400 V 50Hz : 88.3(100%) - 89.2(75%) - 88.7(50%)								
Resistance				Insulation resistance at 60,0 °C				Overload		
Line		Ambient: 24,0 °C		1481 MΩ		1000 V		Torque 160% 15s		
U <sub>1</sub> - V <sub>1</sub>		0,43050 Ω								
U <sub>1</sub> - W <sub>1</sub>		0,43050 Ω								
V <sub>1</sub> - W <sub>1</sub>		0,43060 Ω								
				High-voltage test winding 1800 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	14,0	0,50		748	0,05		
Locked rotor test		111,7	D 50	24,4	1,46		0	0,31		
Thermal test (100% load)	145,9	400,1	D 50	25,5	12,5	11,0	723	0,71	87,8	
Partial load points:										
~75% load	109,3	400,1	D 50	21,2	9,31	8,25	731	0,64	88,7	
~50% load	73,1	400,0	D 50	17,5	6,24	5,50	738	0,51	88,2	
~25% load	36,4	400,1	D 50	15,0	3,31	2,75	744	0,32	83,1	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method		
Stator winding :				55,8	1			1 Resistance		
Frame :				36,9	2			2 Thermometer		
Bearing D-end :				41,5	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		17.8.2010					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211				
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