



Test Report				Date of issue: 28.8.2013							
				Serial No.: 3GF11076111							
				Type: M3GP 180MLC 2 B3							
				Product Code: 3GGP181430-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	37	2947	63,9	0,90	S1
Insul.cl.F				415	D	50	37	2952	63	0,88	S1
IP55				690	Y	50	37,0	2947	37,1	0,90	S1
Eff class IE2				400 V 50Hz : IE2 - 92.8(100%) - 93.0(75%) - 92.5(50%)							
Resistance				Ambient: 23,5 °C				Insulation resistance at 51,5 °C		Overload	
Line				U ₁ - V ₁ 0,10757 Ω				1900 MΩ		1000 V	
				U ₁ - W ₁ 0,10786 Ω						Torque 160% 15s	
				V ₁ - W ₁ 0,10789 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	19,6	1,21		3000	0,09			
Locked rotor test		62,8	D 50	63,9	2,96		0	0,43			
Thermal test (100% load)	119,9	400,1	D 50	65,1	40,1	37,0	2950	0,89	92,4		
Partial load points:											
~75% load	90,1	400,0	D 50	50,3	30,0	27,8	2966	0,86	92,6		
~50% load	59,9	400,0	D 50	36,7	20,2	18,5	2979	0,79	91,8		
~25% load	30,0	400,0	D 50	25,3	10,6	9,25	2991	0,60	87,5		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				69,1	69,1	1		1 Resistance			
Frame :				22,8	22,8	2		2 Thermometer			
Bearing D-end :				32,8	32,8	2		3 Thermocouples			
Ambient Temperature :				25,0	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		28.7.2011						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland								Telephone		+358 10 2211	
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