



V6.0.1-1.0.5878.19526

<b>Type Test Report</b>				Date of Issue 7.3.2016					
				Type: M3GP 355MLB 2					
				Product Code 3GGP351420_DG					
				Protection type: Ex nA II C T3 Gc					
				Cert. No. LCIE 12 ATEX 1008 X / IECEX LCI 07.0001X					
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor		690	Y 50	450	2983	431	0.90	S1	
Ins. Class F		400	D 50	450	2983	743	0.90	S1	
IP 55		415	D 50	450	2985	716	0.90	S1	
2080 kg									
AMB -40°C...+40°C									
Resistance				Insulation resistance		66 °C		Overload	
Ambient: 21 °C				5000 MΩ		1000 V		Torque 160 % 15 s	
U1 - V1		0.00264 Ω							
U1 - W1		0.00265 Ω							
V1 - W1		0.00264 Ω							
				High-voltage test		2400 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		400.0 D	50	171.8	6.28		3000	0.05	
Locked-rotor test		54.7 D	50	742.4	18.6		0	0.26	
Thermal test (100% load)	1440	400.4 D	50	747.0	463.8	450.0	2985	0.90	97.0
Partial load points:									
~75% load	1077	400.5 D	50	572.0	347.7	337.5	2991	0.88	97.1
~50% load	717.4	400.7 D	50	407.2	233.0	225.0	2995	0.83	96.6
~25% load	358.4	401.0 D	50	261.9	119.2	112.5	2997	0.66	94.3
				°C	K	Method	Measurement method		
Stator winding :				75	1	1 Resistance			
Frame :				38	2	2 Thermocouples			
Bearing D-end :				54	2	3 Thermometer			
Rotor :				95	3				
Ambient Temperature :				25	2				
These tests have been carried out on motor no. 3G1F1603300447C, on date 2016-02-22, which is identical in electrical design with the above.						Starting current ( $I_s / I_N$ ) : 8.88			
						Locked rotor torque ( $T_L / T_N$ ) : 2.61			
Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60023-2-1. PLL determined from residual loss.									
On behalf of customer									
On behalf of manufacturer									
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

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