



Test Report				Date of issue: 23.11.2015					
				Type: M3JM 355SMA 4 B3					
				Product Code: 3GJM 352210-K					
				Protection type: Ex d I Mb					
				Cert. No.: LCIE 10 ATEX 3089 X /					
				IECEX LCI 04.0008X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor	400	D 50	185	1492	321	0,86	S1		
Insul.cl.F	415	D 50	185	1492	320	0,85	S1		
IP66	690	Y 50	185	1492	185	0,86	S1		
Eff class IE4		50Hz : IE4 - 97.1%(100%) - 97.2%(75%) - 96.8%(50%)							
Resistance				Insulation resistance at 40,5 °C					
Line	Ambient: 24,0 °C			1800 MΩ 1000 V					
U <sub>1</sub> - V <sub>1</sub>	0,00805 Ω								
U <sub>1</sub> - W <sub>1</sub>	0,00805 Ω								
V <sub>1</sub> - W <sub>1</sub>	0,00805 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]	η[r/min]	cos φ	η [%]
No load test		399,8 D	50	111,0	2,30			0,03	
Locked rotor test		59,4 D	50	317,9	9,20			0,28	
Thermal test (100% load)	1228,0	400,4 D	50	321,4	190,5	185,0	1492	0,86	97,1
Partial load points:									
~75% load	889,5	400,5 D	50	251,3	142,8	138,8	1494	0,82	97,2
~50% load	592,8	400,6 D	50	188,1	95,6	92,5	1496	0,73	96,8
~25% load	296,3	400,7 D	50	137,2	48,8	46,3	1498	0,51	94,9
Temperature rise at rated load.				°C	[K]	Method		Measurement method	
Stator winding :				40,3	1	1 Resistance		1 Resistance	
Frame :				23,4	2	2 Thermometer		2 Thermometer	
Bearing D-end :				28,7	2	3 Thermocouples		3 Thermocouples	
Ambient Temperature :				25,0	2				
<p>These tests have been carried out on motor no. 3GP11022746, on date 2011-08-24 which is identical in design with the above.</p> <p>Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.</p> <p>On behalf of customer</p> <p>On behalf of manufacturer</p> <p>Tested by ABB Oy, Motors and Generators, Vaasa, Finland</p> <p>Telephone +358 10 2211 Telefax +358 10 22 47372</p>									

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