



Test Report				Date of issue: 23.11.2015					
				Type: M3JM 355SMC 6 B3					
				Product Code: 3GJM 353230-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	996	340	0,81	S1		
Insul.cl.F	415	D 50	185	996	344	0,79	S1		
IP66	690	Y 50	185	996	198	0,81	S1		
Eff class IE4		50Hz : IE4 - 96.6%(100%) - 96.7%(75%) - 96.3%(50%)							
Resistance				Insulation resistance at 41,5 °C		Overload			
Line Ambient: 24,0 °C				11000 MΩ 1000 V		Torque 160 % 15s			
U <sub>1</sub> - V <sub>1</sub> 0,00901 Ω									
U <sub>1</sub> - W <sub>1</sub> 0,00902 Ω									
V <sub>1</sub> - W <sub>1</sub> 0,00902 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		399,9 D	50	139,8	2,54		1000	0,03	
Locked rotor test		78,2 D	50	360,9	11,3		0	0,23	
Thermal test (100% load)	1776,0	400,0 D	50	343,5	191,5	185,0	996	0,81	96,6
Partial load points:									
~75% load	1324,0	400,2 D	50	273,5	143,5	138,8	997	0,76	96,7
~50% load	875,8	400,3 D	50	211,7	96,0	92,5	998	0,66	96,3
~25% load	439,0	400,4 D	50	163,7	49,1	46,3	999	0,43	94,3
Temperature rise at rated load.				°C	[K]	Method		Measurement method	
Stator winding :				40,1	1			1 Resistance	
Frame :				14,2	2			2 Thermometer	
Bearing D-end :				29,0	2			3 Thermocouples	
Ambient Temperature :				25,0	2				
<p>These tests have been carried out on motor no. 3GP11022849, on date 2011-08-27 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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