



Test Report				Date of issue: 20.11.2015					
				Type: M3JM 355SMA 4					
				Product Code: 3GJM352210-_DG					
				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	690	Y 50	250	1488	256	0,85	S1		
Insul.cl.F	400	D 50	250	1488	442	0,85	S1		
IP66	415	D 50	250	1489	431	0,84	S1		
Eff class IE2 50Hz. IE2 - 95,9%(100%) - 96,0%(75%) - 95,5%(50%)									
Resistance				Insulation resistance at 56 °C		Overload			
Line Ambient: 21 °C				12000 MΩ 1000 V		Speed 120 % 120s			
U ₁ - V ₁ 0,00635 Ω									
U ₁ - W ₁ 0,00635 Ω									
V ₁ - W ₁ 0,00636 Ω				High-voltage test winding 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	131,3	4,29		1500	0,05	
Locked rotor test		74,1 D	50	437,0	15,6		0	0,28	
Thermal test (100% load)	1605	400,1 D	50	441,4	260,7	250,0	1488	0,85	95,9
Partial load points:									
~75% load	1194	400,0 D	50	339,8	195,3	187,5	1491	0,83	96,0
~50% load	795,2	400,1 D	50	247,7	130,9	125,0	1494	0,76	95,5
~25% load	407,7	400,1 D	50	171,2	67,2	62,5	1497	0,57	93,0
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				62	1	1		Resistance	
Frame :				26	2	2		Thermocouples	
Bearing D-end :				48	2	2		Thermometer	
Rotor:				97	3				
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GF10044324, on date 2010-11-19, which is identical in electrical 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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