



Test Report				Date of issue: 25.11.2015					
				Type: M3JM 250SMB 4					
				Product Code: 3GJM252220-_DG					
				Protection type: Ex d I Mb					
				Cert. No.: LCIE 10 ATEX 3063X / IECEx LCI 04.0012X					
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor		690	Y 50	75	1476	77,8	0,86	S1	
Insul.cl.F		400	D 50	75	1476	135	0,86	S1	
IP66		415	D 50	75	1478	132	0,85	S1	
Eff class IE1		50Hz : IE1 - 93,8%(100%) - 94,2%(75%) - 93,9%(50%)							
Resistance				Insulation resistance at 48 °C			Overload		
Line		Ambient: 22 °C		1900 MΩ		1000 V		Torque 160 % 15s	
U <sub>1</sub> - V <sub>1</sub>		0,04828 Ω							
U <sub>1</sub> - W <sub>1</sub>		0,04826 Ω							
V <sub>1</sub> - W <sub>1</sub>		0,04829 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]	η[r/min]	cos φ	η [%]
No load test		400,1 D	50	43,6	1,49		1500	0,05	
Locked rotor test		75,7 D	50	133,0	6,30		0	0,36	
Thermal test (100% load)	485,3	400,1 D	50	134,9	80,1	75,0	1480	0,86	93,7
Partial load points:									
~75% load	363,4	400,1 D	50	104,4	59,8	56,3	1485	0,83	94,1
~50% load	242,5	400,1 D	50	77,1	40,0	37,5	1490	0,75	93,8
~25% load	121,6	400,1 D	50	54,7	20,6	18,8	1495	0,54	90,9
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				61	1			1 Resistance	
Frame :				27	2			2 Thermocouples	
Bearing D-end :				49	2			3 Thermometer	
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GF12103383, on date 2012-02-26, 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>									
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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