



Test Report				Date of issue: 23.11.2015					
				Type: M3JM 315SMB 6					
				Product Code: 3GJM313220-_DG					
				Protection type: Ex d I Mb					
				Cert. No.: LCIE 11 ATEX 3090X / IECEx LCI 04.0007X					
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor		690	Y 50	90	992	95	0,84	S1	
Insul.cl.F		400	D 50	90	992	166	0,84	S1	
IP66		415	D 50	90	993	161	0,82	S1	
50Hz : IE2 - 94.8%(100%) - 94.7%(75%) - 94.1%(50%)									
Eff class IE2									
Resistance				Insulation resistance at 63 °C			Overload		
Line		Ambient: 25 °C		12000 MΩ		1000 V		Torque 160 % 15s	
U <sub>1</sub> - V <sub>1</sub>		0,03120 Ω							
U <sub>1</sub> - W <sub>1</sub>		0,03121 Ω							
V <sub>1</sub> - W <sub>1</sub>		0,03120 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	59,3	2,05		1000	0,05	
Locked rotor test		77,7 D	50	163,1	6,25		0	0,28	
Thermal test (100% load)	866,4	400,1 D	50	165,9	95,1	90,0	995	0,83	94,6
Partial load points:									
~75% load	649,8	400,1 D	50	130,3	71,3	67,5	995	0,79	94,6
~50% load	431,2	400,1 D	50	98,3	47,9	45,0	997	0,70	94,0
~25% load	215,1	400,0 D	50	72,7	24,8	22,5	999	0,49	90,9
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				57	1			1 Resistance	
Frame :				37	2			2 Thermocouples	
Bearing D-end :				48	2			3 Thermometer	
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 0926-010504813, on date 2009-09-10, 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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