



Test Report				Date of issue: 25.11.2015						
				Type: M3JM 180MLB 6						
				Product Code: 3GJM183420-_DH						
				Protection type: Ex d I Mb						
				Cert. No.: LCIE 11 ATEX 3088X / IECEX LCI 09.0009X						
Rating:										
		V	Hz	kW	r/min	A	cos φ	Duty		
3-Motor		690	Y 50	15	973	16,9	0,82	S1		
Insul.cl.F		400	D 50	15	973	29,7	0,82	S1		
IP66		415	D 50	15	975	29,3	0,80	S1		
Eff class IE2		50Hz : IE2 - 90.5%(100%) - 91.0%(75%) - 90.5%(50%)								
Resistance				Insulation resistance at 21 °C				Overload		
Line		Ambient: 22 °C		20000 MΩ		1000 V		Torque 160% 15s		
U ₁ - V ₁		0,36630 Ω								
U ₁ - W ₁		0,36640 Ω								
V ₁ - W ₁		0,36590 Ω								
				High-voltage test winding			2400 V		60 s	
Test	Line U[V]	f[Hz]	Input I[A]	P1 [kW]	Output P2 [kW]	η[r/min]	cos φ	η [%]		
No load test	400,0	D 50	13,6	0,56		1000	0,06			
Locked rotor test	93,3	D 50	31,2	1,62		0	0,32			
Thermal test (100% load)	399,8	D 50	29,8	16,7	15,0	973	0,81	90,0		
Partial load points:										
~75% load	400,0	D 50	23,8	12,4	11,3	981	0,75	90,7		
~50% load	400,0	D 50	18,6	8,31	7,50	988	0,65	90,2		
~25% load	400,1	D 50	14,8	4,37	3,75	994	0,43	85,8		
Temperature rise at rated load.			[°C]	[K]	Method		Measurement method			
Stator winding :			60	1			1 Resistance			
Frame :			34	2			2 Thermocouples			
Bearing D-end :			32	2			3 Thermometer			
Rotor:			83	3						
Ambient Temperature :			25	2						
<p>These tests have been carried out on motor no. 0752-010227745, on date 2008-07-11, 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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