



Test Report				Date of issue: 25.11.2015							
				Type: M3JM 180MLB 4							
				Product Code: 3GJM182420-_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	22	1474	24,3	0,82	S1			
Insul.cl.F		400	D 50	22	1474	42,0	0,82	S1			
IP66		415	D 50	22	1476	41,7	0,80	S1			
Eff class IE2		50Hz : IE2 - 92.2%(100%) - 92.5%(75%) - 91.9%(50%)									
Resistance				Insulation resistance at 50 °C			Overload				
Line		Ambient: 22 °C		15000 MΩ		1000 V		Torque 160% 15s			
U ₁ - V ₁		0,19470 Ω									
U ₁ - W ₁		0,19480 Ω									
V ₁ - W ₁		0,19480 Ω									
				High-voltage test winding			2900 V		1 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	17,1	0,63		1500	0,05			
Locked rotor test		86,9	D 50	42,1	2,11		0	0,33			
Thermal test (100% load)	142,3	400,0	D 50	42,1	23,9	22,0	1475	0,82	92,2		
Partial load points:											
~75% load	107,4	400,1	D 50	33,5	17,8	16,5	1483	0,77	92,8		
~50% load	70,8	400,1	D 50	25,7	11,9	11,00	1490	0,67	92,3		
~25% load	35,6	400,2	D 50	19,8	6,20	5,50	1495	0,45	88,7		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				56	1			1 Resistance			
Frame :				26	2			2 Thermocouples			
Bearing D-end :				38	2			3 Thermometer			
Rotor:				85	3						
Ambient Temperature :				25	2						
<p>These tests have been carried out on motor no. 3GF11070035, on date 2011-05-05, 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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