



Test Report				Date of issue: 25.11.2015																															
				Type: M3JM 180MLC 2 Product Code: 3GJM181430-_DH Protection type: Ex d I Mb Cert. No.: LCIE 11 ATEX 3088X / IECEX LCI 09.0009X																															
Rating:		<table border="1"> <thead> <tr> <th>V</th> <th>Hz</th> <th>kW</th> <th>r/min</th> <th>A</th> <th>cos φ</th> <th>Duty</th> </tr> </thead> <tbody> <tr> <td>690</td> <td>Y 50</td> <td>37</td> <td>2950</td> <td>37,6</td> <td>0,90</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>37</td> <td>2950</td> <td>64,9</td> <td>0,9</td> <td>S1</td> </tr> <tr> <td>415</td> <td>D 50</td> <td>37</td> <td>2952</td> <td>63,8</td> <td>0,88</td> <td>S1</td> </tr> </tbody> </table>						V	Hz	kW	r/min	A	cos φ	Duty	690	Y 50	37	2950	37,6	0,90	S1	400	D 50	37	2950	64,9	0,9	S1	415	D 50	37	2952	63,8	0,88	S1
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3~Motor																																			
Insul.cl.F																																			
IP66																																			
Eff class IE2		50Hz : IE2 - 92.8%(100%) - 93.1%(75%) - 92.8%(50%)																																	
Resistance		Ambient: 24 °C Line $U_1 - V_1$ 0,10757 Ω $U_1 - W_1$ 0,10786 Ω $V_1 - W_1$ 0,10789 Ω				Insulation resistance at 52 °C 1900 MΩ 1000 V Overload Torque 160% 15s																													
		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		400,0 D	50	19,6	1,21		3000	0,09																											
Locked rotor test		62,8 D	50	63,9	2,96		0	0,43																											
Thermal test (100% load)	119,9	400,1 D	50	65,1	40,1	37,0	2950	0,89	92,4																										
Partial load points:																																			
~75% load	90,1	400,0 D	50	50,3	30,0	27,8	2966	0,86	92,6																										
~50% load	59,9	400,0 D	50	36,7	20,2	18,5	2979	0,79	91,8																										
~25% load	30,0	400,0 D	50	25,3	10,6	9,25	2991	0,60	87,5																										
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method																												
Stator winding :		69		1			1 Resistance																												
Frame :		23		2			2 Thermocouples																												
Bearing D-end :		33		2			3 Thermometer																												
Ambient Temperature :		25		2																															
These tests have been carried out on motor no. 3GF11076111, on date 2011-07-28, which is identical in electrical design with the above.																																			
Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.																																			
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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