



Test Report				Date of issue: 19.11.2015																																																													
				Type: M3JM 180MLB 4																																																													
				Product Code: 3GJM182420-_DK																																																													
				Protection type: Ex d I Mb																																																													
				Cert. No.: LCIE 11 ATEX 3088X / IECEx LCI 09.0009X																																																													
Rating:																																																																	
<table border="1"> <thead> <tr> <th></th> <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>3-Motor</td> <td>690</td> <td>Y 50</td> <td>22,0</td> <td>1480</td> <td>24,1</td> <td>0,82</td> <td>S1</td> </tr> <tr> <td>Insul.cl.F</td> <td>400</td> <td>D 50</td> <td>22,0</td> <td>1480</td> <td>41,5</td> <td>0,82</td> <td>S1</td> </tr> <tr> <td>IP66</td> <td>660</td> <td>Y 50</td> <td>22,0</td> <td>1477</td> <td>42,7</td> <td>0,84</td> <td>S1</td> </tr> <tr> <td></td> <td>380</td> <td>D 50</td> <td>22,0</td> <td>1477</td> <td>42,7</td> <td>0,84</td> <td>S1</td> </tr> <tr> <td></td> <td>415</td> <td>D 50</td> <td>22,0</td> <td>1482</td> <td>40,9</td> <td>0,80</td> <td>S1</td> </tr> <tr> <td></td> <td>460</td> <td>D 60</td> <td>22,0</td> <td>1783</td> <td>35,8</td> <td>0,82</td> <td>S1</td> </tr> </tbody> </table>											V	Hz	kW	r/min	A	cos φ	Duty	3-Motor	690	Y 50	22,0	1480	24,1	0,82	S1	Insul.cl.F	400	D 50	22,0	1480	41,5	0,82	S1	IP66	660	Y 50	22,0	1477	42,7	0,84	S1		380	D 50	22,0	1477	42,7	0,84	S1		415	D 50	22,0	1482	40,9	0,80	S1		460	D 60	22,0	1783	35,8	0,82	S1
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Eff class IE3																																																																	
50Hz : IE3-93,3(100%)-94,1(75%)-94,1(50%)																																																																	
60Hz : IE3-93,8(100%)																																																																	
Resistance			Insulation resistance at 23 °C			Overload																																																											
Line			Ambient: 24,8 °C			R > 2000 Mohm 1000 V		Torque 160 % 15s																																																									
U ₁ - V ₁			0,19250 Ω																																																														
U ₁ - W ₁			0,19160 Ω																																																														
V ₁ - W ₁			0,19220 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]	n[r/min]	cos φ	η [%]																																																								
No load test		400,0 D	50	16,5	0,51		1500	0,04																																																									
Locked rotor test		76,0 D	50	40,6	1,64		0	0,31																																																									
Thermal test (100% load)	141,8	400,0 D	50	41,7	23,6	22,0	1481	0,82	93,2																																																								
Partial load points:																																																																	
~75% load	106,7	400,0 D	50	33,1	17,7	16,6	1486	0,77	93,7																																																								
~50% load	71,2	400,0 D	50	25,5	11,9	11,1	1491	0,67	93,4																																																								
~25% load	35,9	400,0 D	50	19,5	6,22	5,63	1496	0,46	90,5																																																								
Temperature rise at rated load.			[°C]		[K]		Method																																																										
Stator winding :			59		1		Measurement method																																																										
Frame :			40		2		1 Resistance																																																										
Bearing D-end :			39		2		2 Thermocouples																																																										
Ambient Temperature :			23		2		3 Thermometer																																																										
<p>These tests have been carried out on motor no.3GV1110779333001, on date 2011-09-27 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> <p>On behalf of customer</p> <p>On behalf of manufacturer</p>																																																																	
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