



Type Test Report				Date of issue: 2015-03-16																															
Customer:				Serial No.: 3G1T1343000015384																															
Customer ref.:				Type: M1AA 160 MLC 8 Product Code: 3GAA164063-_SA																															
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>230</td> <td>D 50</td> <td>7.5</td> <td>720</td> <td>34.1</td> <td>0,67</td> <td>S1</td> </tr> <tr> <td>400</td> <td>Y 50</td> <td>7.5</td> <td>720</td> <td>19.7</td> <td>0,67</td> <td>S1</td> </tr> <tr> <td>460</td> <td>Y 60</td> <td>7.5</td> <td>870</td> <td>17.9</td> <td>0,63</td> <td>S1</td> </tr> </tbody> </table>						V	Hz	kW	r/min	A	cos φ	Duty	230	D 50	7.5	720	34.1	0,67	S1	400	Y 50	7.5	720	19.7	0,67	S1	460	Y 60	7.5	870	17.9	0,63	S1
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230	D 50	7.5	720	34.1	0,67	S1																													
400	Y 50	7.5	720	19.7	0,67	S1																													
460	Y 60	7.5	870	17.9	0,63	S1																													
3~Motor																																			
Insul.cl.F																																			
IP55																																			
50Hz :																																			
60Hz :		IE1-83.5(100%)-81.5(75%)-81.3(50%)																																	
Resistance		Insulation resistance at 25 °C				Overload																													
Line		R > 2000 Mohm 1000 V				Current 150% 120s																													
U ₁ - V ₁		Ambient: 25 °C				Torque 160% 15s																													
U ₁ - W ₁		0,50300 Ω				Speed 120% 120s																													
V ₁ - W ₁		0,50400 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 Y	50	10,55	0,48		750	0,07																											
Locked rotor test		105 Y	50	19,6	1,68		0	0,47																											
Thermal test (100% load)	100,7	400 Y	50	19,40	9,16	7,53	714	0,68	82,34																										
Partial load points:																																			
~75% load	75,5	400 Y	50	15,70	6,80	5,74	725	0,63	83,76																										
~50% load	50,3	400 Y	50	12,98	4,61	3,88	735	0,52	82,95																										
~25% load	25,2	400 Y	50	11,10	2,51	1,96	743	0,33	78,30																										
Temperature rise at rated load.		<table border="1"> <thead> <tr> <th>°C</th> <th>[K]</th> <th>Method</th> </tr> </thead> <tbody> <tr> <td>Stator winding :</td> <td>80,1</td> <td>3</td> </tr> <tr> <td>Frame :</td> <td></td> <td></td> </tr> <tr> <td>Bearing D-end :</td> <td></td> <td></td> </tr> <tr> <td>Ambient Temperature :</td> <td>25</td> <td>3</td> </tr> </tbody> </table>				°C	[K]	Method	Stator winding :	80,1	3	Frame :			Bearing D-end :			Ambient Temperature :	25	3	Measurement method														
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						1 Resistance																													
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						3 Thermocouples																													
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		Date of test		2013-10-21																															

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