



Type Test Report				Date of issue: 2015-06-10																															
Customer:				Serial No.: 3G1S14461451885001																															
Customer ref.:				Type: M3AA 200MLA 6 Product Code: 3GAA203051-ADL																															
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>400</td> <td>D 50</td> <td>18,5</td> <td>980</td> <td>38,8</td> <td>0,75</td> <td>S1</td> </tr> <tr> <td>690</td> <td>Y 50</td> <td>18,5</td> <td>980</td> <td>22,5</td> <td>0,75</td> <td>S1</td> </tr> <tr> <td>415</td> <td>D 50</td> <td>18,5</td> <td>982</td> <td>38,9</td> <td>0,72</td> <td>S1</td> </tr> </tbody> </table>						V	Hz	kW	r/min	A	cos φ	Duty	400	D 50	18,5	980	38,8	0,75	S1	690	Y 50	18,5	980	22,5	0,75	S1	415	D 50	18,5	982	38,9	0,72	S1
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400	D 50	18,5	980	38,8	0,75	S1																													
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3~Motor																																			
Insul.cl.F																																			
IP55																																			
Eff class IE3		50Hz : IE3 - 91,7(100%) - 92,2(75%) - 91,5(50%)																																	
Resistance Line		Ambient: 22,5 °C		Insulation resistance at 22,1 °C		Overload																													
U ₁ - V ₁		0,24500 Ω		R > 2000 Mohm 1000 V		Current 150% 120s																													
U ₁ - W ₁		0,24470 Ω				Torque 160% 15s																													
V ₁ - W ₁		0,24550 Ω				Speed 120% 120s																													
				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		401 D	50	20,6	0,68		1000	0,05																											
Locked rotor test		87,2 D	50	39,0	1,81			0,31																											
Thermal test (100% load)	180,4	400 D	50	38,9	20,19	18,50	979	0,75	91,6																										
Partial load points:																																			
~75% load	134,5	400 D	50	32,0	15,09	13,88	985	0,68	91,9																										
~50% load	89,2	400 D	50	26,2	10,16	9,25	991	0,56	91,1																										
~25% load	44,4	400 D	50	22,0	5,35	4,63	996	0,35	86,5																										
Temperature rise at rated load.		[°C]		[K]		Method		Measurement method																											
Stator winding :		45,0		1		1 Resistance																													
Frame :		32,5		2		2 Thermometer																													
Bearing D-end :		33,2		2		3 Thermocouples																													
Ambient Temperature :		22		2																															
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		2014-09-02		Telephone		+46 (0)21 32 90 00																											
Tested by ABB AB, LV Motors, 721 70 Västerås, Sweder						Telefax		+46 (0)21 32 90 22																											

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