Type Test Report

Date of issue: 2015-03-16

Serial No.: 3G1T08060000010007

Customer:

Customer ref.:

Type: M1AA 200 MLA 2

Product Code: 3GAA201061-_DA

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	690	Y	50	30.0	2945	31.8	0,86	S1
Insul.cl.F	400	D	50	30.0	2945	55.2	0,86	S1
IP55	460	D	60	30.0	3535	48.0	0,86	S1

Eff class IE1

50Hz : IE1-90.7(100%)-90.1(75%)-88.3(50%)

60Hz : IE1-91.3(100%)-90.8(75%)-89(50%)

Resistance

Line — Ambient: 25 °C

U_1 - V_1	0,27100 Ω
U_1 - W_1	0,27200 Ω
V_1 - W_1	0,27100 Ω

Insulation resistance at 25 °C

R > 2000 Mohm 1000 V

Overload

Current	150%	120s
Torque	160%	15s
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]	n[r/min]	cos φ	η [%]
No load test		400	D	50	19,40	1,69		3000	0,13	
Locked rotor test		97	D	50	32,1	2,48		0	0,46	
Thermal test (100% load)	97,3	400	D	50	55,10	32,92	30,17	2953	0,87	90,85
Partial load points:										
~75% load	73,0	400	D	50	43,70	25,20	22,71	2978	0,83	90,37
~50% load	48,6	400	D	50	33,09	17,23	15,21	2991	0,75	88,09
~25% load	24,3	400	D	50	24,68	9,47	7,62	2996	0,55	80,99

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		88,3	3
Frame :			
Bearing D-end :			
Ambient Temperature :	25		3

Measurement method
1 Resistance
2 Thermometer
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 2008-02-04

Computer print-out valid without signature.