Type Test Report

Date of issue: 2015-03-16

Serial No.: 3G1T13100000012442

Customer:

Customer ref.:

Type: M1AA 200 MLA 6

Product Code: 3GAA203061-_DA

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	690	Y	50	18.5	970	21.3	0,83	S1
Insul.cl.F	400	D	50	18.5	970	37.0	0,83	S1
IP55	460	D	60	18.5	1175	32.2	0,81	S1

Eff class IE1

50Hz : IE1-88.6(100%)-88.7(75%)-87.1(50%)

60Hz :

Resistance

Line — Ambient: 25 °C

U_1 - V_1	0,41600 Ω
U_1 - W_1	0,41500 Ω
V_1 - W_1	0,41500 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	18,40	0,62		1000	0,06	
Locked rotor test		95,2	D	50	21,4	1,36		0	0,38	
Thermal test (100% load)	182,1	400	D	50	37,12	20,88	18,52	979	0,83	87,29
Partial load points:										
~75% load	136,6	400	D	50	30,20	15,64	13,88	986	0,76	87,26
~50% load	91,1	400	D	50	24,06	10,62	9,25	991	0,64	86,71
~25% load	45,5	400	D	50	19,44	5,51	4,63	994	0,41	84,00

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		89,0	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 2013-03-08

Computer print-out valid without signature.