Type Test Report

Date of issue: 2015-03-16

Serial No.: 3G1T12460000013380

Customer:

Customer ref.:

Type: M1AA 200 MLA 4
Product Code: 3GAA202061-_SA

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	230	D	50	30.0	1460	96.6	0,86	S1
Insul.cl.F	400	Y	50	30.0	1460	55.8	0,86	S1
IP55	460	Y	60	30.0	1760	48.5	0,85	S1

Eff class IE1

50Hz : IE1-90.7(100%)-90.7(75%)-89.8(50%)
60Hz :

Resistance
Line Ambient: 25 ºC

U_1 - V_1	0,30400	Ω
U_1 - W_1	0,30400	Ω
V_1 - W_1	0,30300	Ω

Insulation resistance at 25 ºC
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	Y	50	19,35	1,09		1500	0,08	
Locked rotor test		100,4	Y	50	32,8	2,55		0	0,45	
Thermal test (100% load)	196,2	400	Y	50	56,20	33,55	30,16	1468	0,86	90,60
Partial load points:										
~75% load	147,2	400	Y	50	43,1	25,21	22,76	1477	0,84	90,74
~50% load	98,1	400	Y	50	32,51	17,01	15,25	1485	0,75	89,94
~25% load	49,1	400	Y	50	23,51	8,96	7,68	1493	0,55	85,67

Temperature rise at rated load.

	[ºC]	[K]	Method
Stator winding :		92,1	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 2012-11-16

Computer print-out valid without signature.