Type Test Report

Date of issue: 2015-03-16

Serial No.: 3G1T13170000012452

Customer:

Customer ref.:

Type: M1AA 200 MLB 2

Product Code: 3GAA201062-_DA

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	690	Y	50	37.0	2950	37.8	0,89	S1
Insul.cl.F	400	D	50	37.0	2950	65.5	0,89	S1
IP55	460	D	60	37.0	3540	56.9	0,89	S1

Eff class IE1

50Hz : IE1-91.2(100%)-90.6(75%)-88.8(50%)

60Hz : IE1-91.8(100%)-91.2(75%)-89.4(50%)

Resistance

Line — Ambient: 25 °C

U_1 - V_1	0,19000 Ω
U_1 - W_1	0,19100 Ω
V_1 - W_1	0,19100 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	20,90	1,83		3000	0,12	
Locked rotor test		74,5	D	50	37,5	1,64		0	0,34	
Thermal test (100% load)	119,8	400	D	50	66,50	40,67	37,09	2964	0,89	90,95
Partial load points:										
~75% load	89,8	400	D	50	53,4	30,98	27,76	2975	0,84	89,29
~50% load	59,9	400	D	50	40,14	20,83	18,52	2983	0,76	87,63
~25% load	29,9	400	D	50	29,09	11,51	9,23	2990	0,57	80,35

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		81,0	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 2013-03-07

Computer print-out valid without signature.