Type Test Report

Date of issue: 2015-03-16

Serial No.: 3G1T13230000014593

Customer:

Customer ref.:

Type: M1AA 160 MLB 8

Product Code: 3GAA164062-_DA

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	690	Y	50	5.5	720	9.7	0,58	S1
Insul.cl.F	400	D	50	5.5	720	16.8	0,58	S1
IP55	460	D	60	5.5	870	15.3	0,55	S1

Eff class IE1

50Hz : IE1-81.4(100%)-79.8(75%)-79.4(50%)

60Hz : IE1-82.1(100%)-80.4(75%)-80.1(50%)

Resistance

Line — Ambient: 25 °C

U_1 - V_1	1,99600	Ω
U_1 - W_1	1,99800	Ω
V_1 - W_1	1,99860	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	13,03	0,60		750	0,07	
Locked rotor test		102	D	50	17,0	1,59		0	0,53	
Thermal test (100% load)	72,2	400	D	50	17,10	6,55	5,51	728	0,55	84,52
Partial load points:										
~75% load	54,2	400	D	50	15,45	5,10	4,27	738	0,48	83,67
~50% load	36,1	400	D	50	14,10	3,59	2,83	740	0,35	82,62
~25% load	18,1	400	D	50	13,55	2,74	2,04	745	0,29	74,50

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		65,0	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 2013-06-06

Computer print-out valid without signature.