Type Test Report

Date of issue: 2015-03-16

Serial No.: 3G1T10500000011223

Customer:

Customer ref.:

Type: M1AA 225 SMC 4

Product Code: 3GAA222063-_DA

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	690	Y	50	55.0	1470	58.8	0,83	S1
Insul.cl.F	400	D	50	55.0	1470	102.0	0,83	S1
IP55	460	D	60	55.0	1770	89.2	0,83	S1

Eff class IE1

50Hz : IE1-92.1(100%)-92(75%)-90.9(50%)

60Hz : IE1-93.1(100%)-93(75%)-91.9(50%)

Resistance

Line — Ambient: 25 °C

U_1 - V_1	0,10400 Ω
U_1 - W_1	0,10400 Ω
V_1 - W_1	0,10400 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	45,07	2,02		1500	0,06	
Locked rotor test		85	D	50	59,1	2,78		0	0,32	
Thermal test (100% load)	358,5	400	D	50	103,70	59,73	55,48	1478	0,83	92,59
Partial load points:										
~75% load	268,9	400	D	50	83,37	45,00	41,75	1483	0,78	92,44
~50% load	179,2	400	D	50	64,80	30,33	27,99	1491	0,69	90,73
~25% load	89,6	400	D	50	50,90	16,02	14,02	1494	0,45	88,35

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		62,0	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 2010-12-02

Computer print-out valid without signature.