Type Test Report

Date of issue: 2015-03-16

Serial No.: 3G1T07200000009133

Customer:

Customer ref.:

Type: M1AA 160 MLA 6

Product Code: 3GAA163061-_SA

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	230	D	50	7.5	960	32.7	0,75	S1
Insul.cl.F	400	Y	50	7.5	960	18.9	0,75	S1
IP55	460	Y	60	7.5	1165	15.9	0.70	S1

Eff class IE1

50Hz : IE1-84.7(100%)-84.5(75%)-82.5(50%)

60Hz :

Resistance

Line — Ambient: 25 °C

U_1 - V_1	1,57500 Ω
U_1 - W_1	1,57700 Ω
V_1 - W_1	1,57800 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	Y	50	8,14	0,42		1000	0,08	
Locked rotor test		50	Y	50	18,5	0,77		0	0,48	
Thermal test (100% load)	75,7	400	Y	50	17,90	8,94	7,62	961	0,74	82,81
Partial load points:										
~75% load	56,8	400	Y	50	13,9	6,68	5,72	972	0,72	82,42
~50% load	37,9	400	Y	50	10,95	4,60	3,81	980	0,62	81,00
~25% load	18,9	400	Y	50	9,09	2,62	1,91	989	0,42	72,71

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		68,0	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 2007-05-20

Computer print-out valid without signature.