Type Test Report

Date of issue: 2011.10.05

Serial No.: 3GA111608T3706

Customer:

Customer ref.:

Type: M2AA 80A 6

Product Code: 3GAA083001-_DE

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	690	Y	50	0,37	905	0,61	0,73	S1
Insul.cl.F	400	D	50	0,37	905	1,07	0,73	S1
IP55	460	D	60	0,37	1125	0,91	0,69	S1

Resistance

Line — Ambient: 18,1 ºC

U_1 - V_1	47,86000	Ω
U_1 - W_1	47,88000	Ω
V_1 - W_1	47,86000	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	D	50	0,82	0,12		1000	0,20	
Locked rotor test		114,8	D	50	1,00	0,18		0	0,89	
Thermal test (100% load)	3,9	400	D	50	1,07	0,54	0,37	905	0,73	68,00
Partial load points:										
~75% load	2,8	400	D	50	0,89	0,39	0,28	939	0,63	70,70
~50% load	1,8	400	D	50	0,79	0,27	0,19	960	0,49	68,30
~25% load	0,9	400	D	50	0,74	0,16	0,09	979	0,32	56,20

Temperature rise at rated load.

	[ºC]	[K]	Method
Stator winding :		74,2	3
Frame :		24,2	3
Bearing D-end :		21,6	3
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 29.4.2011

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