Type Test Report

Date of issue: 2011.10.05

Serial No.: 3GA111608T5506

Customer:

Customer ref.:

Type: M2AA 80B 6

Product Code: 3GAA083002-_DE

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	690	Y	50	0,55	905	0,91	0,73	S1
Insul.cl.F	400	D	50	0,55	905	1,58	0,73	S1
IP55	460	D	60	0,55	1120	1,36	0,68	S1

Resistance

Line — Ambient: 18,1 ºC

U_1 - V_1	30,75000 Ω
U_1 - W_1	30,76000 Ω
V_1 - W_1	30,78000 Ω

Insulation resistance at 25,2 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	1,14	0,13		1000	0,16	
Locked rotor test		128,4	D	50	1,57	0,28		0	0,81	
Thermal test (100% load)	5,8	400	D	50	1,58	0,80	0,55	905	0,73	68,70
Partial load points:										
~75% load	4,2	400	D	50	1,33	0,57	0,41	929	0,62	71,80
~50% load	2,8	400	D	50	1,21	0,39	0,28	954	0,47	69,70
~25% load	1,3	400	D	50	1,14	0,24	0,14	976	0,30	57,80

Temperature rise at rated load.

	[ºC]	[K]	Method
Stator winding :		58,8	3
Frame :		43	3
Bearing D-end :		38,5	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 26.4.2011

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