Type Test Report

Date of issue: 2012.02.15

Serial No.: 3GE081609T5508

Customer:

Customer ref.:

Type: M3AA 90L 8

Product Code: 3GAA094002-_DE

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	690	Y	50	0,55	660	1,32	0,58	S1
Insul.cl.F	400	D	50	0,55	660	2,30	0,58	S1
IP55	460	D	60	0,55	825	2,00	0,52	S1

Resistance

Line — Ambient: 18,0 ºC

U_1 - V_1	21,84000 Ω
U_1 - W_1	21,84000 Ω
V_1 - W_1	21,85000 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	2,1	0,23		750	0,16	
Locked rotor test		154,6	D	50	2,3	0,39		0	0,63	
Thermal test (100% load)	7,6	400	D	50	2,3	0,88	0,55	695	0,54	62,80
Partial load points:										
~75% load	5,5	400	D	50	2,2	0,69	0,41	710	0,45	59,80
~50% load	3,6	400	D	50	2,1	0,53	0,28	720	0,35	52,20
~25% load	1,8	400	D	50	2,2	0,39	0,14	737	0,25	35,70

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		63,5	3
Frame :		36,9	3
Bearing D-end :		39,4	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 11.3.2009

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