Type Test Report

Date of issue: 4.11.2015

Serial No.:

Customer:

Customer ref.:

Type: M3AA 132 S 8

Product Code: 3GAA134100-_SE

Rating:

	V		Hz	kW	r/min	A	η [%]	Duty
3~Motor	400	Y	50	2,20	715	6,20	0,65	S1
Insul.cl.F	230	D	50	2,20	715	10,70	0,65	S1
IP55	460	Y	60	2,20	870	5,40	0,64	S1

Eff class IE2

50Hz : IE2 - 77,7%(100%) - 79,2%(75%) - 77,6%(50%)

60Hz : IE1 - 79,0%(100%)

Resistance

Line Ambient: 19,7 °C

U_1 - V_1	4,82800	Ω
U_1 - W_1	4,82900	Ω
V_1 - W_1	4,83100	Ω

Insulation resistance at 25,8 °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	4,1	0,27		750	0,10	
Locked rotor test		136,3	Y	50	6,1	0,72		0	0,50	
Thermal test (100% load)	29,5	400	Y	50	6,3	2,96	2,20	712	0,67	74,40
Partial load points:										
~75% load	21,8	400	Y	50	5,4	2,17	1,65	724	0,58	76,20
~50% load	14,3	400	Y	50	4,6	1,48	1,10	734	0,46	74,30
~25% load	7,1	400	Y	50	4,2	0,86	0,55	742	0,29	64,20

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		65,1	3
Frame :		34,2	3
Bearing D-end :		46	3
Ambient Temperature :	25		3

Measurement method

1 Resistance

2 Thermometer

3 Thermocouples

These tests have been carried out on motor no. 3GE100813T0009, on date 2010-04-20 which is identical in electrical design with the above.

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

Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain

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