Type Test Report

Date of issue: 4.11.2015

Serial No.:

Customer:

Customer ref.:

Type: M3AA 132 S 6

Product Code: 3GAA133100-_DE

Rating:

	V		Hz	kW	r/min	A	η [%]	Duty
3~Motor	690	Y	50	3,00	960	4,46	0,65	S1
Insul.cl.F	400	D	50	3,00	960	7,69	0,65	S1
IP55	460	D	60	3,00	1161	6,84	0,67	S1

Eff class IE2

50Hz : IE2 - 83,3%(100%) - 82,9%(75%) - 80,5%(50%)

60Hz : IE1 - 85,4%(100%)

Resistance

Line Ambient: 19,0 °C

U_1 - V_1 3,02100 Ω

U_1 - W_1 3,00900 Ω

V_1 - W_1 3,01300 Ω

Insulation resistance at 18 °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	D	50	5,1	0,28		1000	0,08	
Locked rotor test		118	D	50	7,8	0,62		0	0,39	
Thermal test (100% load)	29,8	400	D	50	7,6	3,68	3,00	961	0,69	81,60
Partial load points:										
~75% load	22,1	400	D	50	6,4	2,74	2,25	973	0,61	82,00
~50% load	14,6	400	D	50	5,5	1,88	1,50	983	0,49	79,80
~25% load	7,2	400	D	50	4,9	1,07	0,75	992	0,31	70,40

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		48,0	3
Frame :		21,0	3
Bearing D-end :		38,6	3
Ambient Temperature :	25		3

Measurement method

1 Resistance

2 Thermometer

3 Thermocouples

These tests have been carried out on motor no. 3GE080813T3006, on date 2008-04-14 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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