Type Test Report

Date of issue: 2013.03.12

Serial No.: 3GH072510T1108

Customer:

Customer ref.:

Type: M3GP 100LB 8
Product Code: 3GGP104102-_DB
Protection Type: Ex nA IIC T3
Cert. No.: VTT 12 ATEX 050X / IECEx VTT 12.0010X

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	690	Y	50	1,10	695	1,78	0,66	S1
Insul.cl.F	400	D	50	1,10	695	3,10	0,66	S1
IP55								

Resistance
Line — Ambient: 28,0 °C

U_1 - V_1	12,07000	Ω
U_1 - W_1	12,07000	Ω
V_1 - W_1	12,09000	Ω

Insulation resistance at 27 °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	2,4	0,19		750	0,11	
Locked rotor test		83	D	50	2,1	0,17		0	0,56	
Thermal test (100% load)	15,1	400	D	50	3,1	1,47	1,10	696	0,68	74,80
Partial load points:										
~75% load	11,1	400	D	50	2,6	1,10	0,83	711	0,60	75,30
~50% load	7,2	400	D	50	2,2	0,75	0,55	725	0,48	73,30
~25% load	3,6	400	D	50	1,88	0,43	0,28	738	0,33	64,30

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		61,6	3
Frame :		39	3
Bearing D-end :		36	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 6.7.2007

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

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