Type Test Report

Date of issue: 2013.03.12

Serial No.: 3GH072009T5508

Customer:

Customer ref.:

Type: M3GP 90SLC 8
Product Code: 3GGP094103-_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	0,55	655	1,10	0,67	S1
Insul.cl.F	400	D	50	0,55	655	1,91	0,67	S1
IP55								

Resistance
Line — Ambient: 25,0 °C

U_1 - V_1	30,30000 Ω
U_1 - W_1	30,32000 Ω
V_1 - W_1	30,28000 Ω

Insulation resistance at 26 °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	1,36	0,14		750	0,15	
Locked rotor test		185,1	D	50	1,90	0,33		0	0,54	
Thermal test (100% load)	8,1	400	D	50	1,92	0,92	0,55	651	0,69	59,80
Partial load points:										
~75% load	5,7	400	D	50	1,51	0,65	0,41	686	0,62	63,80
~50% load	3,7	400	D	50	1,21	0,43	0,28	710	0,51	63,40
~25% load	1,8	400	D	50	1,03	0,25	0,14	730	0,35	54,20

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		72,0	3
Frame :		46,0	3
Bearing D-end :		45,0	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 1.6.2007

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