Type Test Report

Date of issue: 2013.03.12

Serial No.: 3GH093813T4006

Customer:

Customer ref.:

Type: M3GP 132SMC 6
Product Code: 3GGP133322-_SB
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	230	D	50	4,00	960	17,30	0,68	S1
Insul.cl.F	400	Y	50	4,00	960	10,00	0,68	S1
IP55								

50Hz : IE2 - 84,9(100%) - 85,3(75%) - 83,9(50%)

Resistance
Line — Ambient: 22,3 °C

U_1 - V_1	1,98300 Ω
U_1 - W_1	1,98400 Ω
V_1 - W_1	1,98500 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	Y	50	5,8	0,29		1000	0,07	
Locked rotor test		95,5	Y	50	7,2	0,41		0	0,34	
Thermal test (100% load)	39,7	400	Y	50	9,6	4,76	4,00	962	0,71	84,10
Partial load points:										
~75% load	29,5	400	Y	50	8,0	3,55	3,00	972	0,64	84,60
~50% load	19,4	400	Y	50	6,6	2,41	2,00	982	0,52	83,10
~25% load	9,6	400	Y	50	5,8	1,33	1,00	991	0,33	75,20

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		54,3	3
Frame :		23,3	3
Bearing D-end :		34,3	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 8.10.2009

Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain
Telephone +34 93 728 85 00
Telefax +34 93 728 85 33

Computer print-out valid without signature.