Type Test Report

Date of issue: 2013.03.12

Serial No.: 3GE121138T0001

Customer:

Customer ref.:

Type: M3GP 080 MA 8
Product Code: 3GGP084101-_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	0,18	700	0,42	0,62	S1
Insul.cl.F	400	D	50	0,18	700	0,73	0,62	S1
IP55								

Resistance
Line — Ambient: 18,4 °C

U_1 - V_1	84,20000 Ω
U_1 - W_1	84,20000 Ω
V_1 - W_1	84,50000 Ω

Insulation resistance at 25 °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	0,71	0,12		750	0,24	
Locked rotor test		123	D	50	0,69	0,12		0	0,82	
Thermal test (100% load)	2,5	400	D	50	0,78	0,33	0,18	698	0,61	54,30
Partial load points:										
~75% load	1,8	400	D	50	0,74	0,27	0,14	712	0,52	50,40
~50% load	1,2	400	D	50	0,70	0,21	0,09	725	0,43	42,20
~25% load	0,6	400	D	50	0,69	0,16	0,05	735	0,33	27,40

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		41,4	3
Frame :		26,5	3
Bearing D-end :		29,8	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 20.4.2012

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