Type Test Report

Date of issue: 2013.03.12

Serial No.: 3GH073307T5502

Customer:

Customer ref.:

Type: M3GP 71MB 2
Product Code: 3GGP071322-_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	0,55	2680	2,10	0,85	S1
Insul.cl.F	400	Y	50	0,55	2680	1,27	0,85	S1
IP55								

Resistance
Line — Ambient: 24,0 °C

U_1 - V_1	26,16000	Ω
U_1 - W_1	26,13000	Ω
V_1 - W_1	26,17000	Ω

Insulation resistance at 31 °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	0,58	0,05		3000	0,12	
Locked rotor test		106,5	Y	50	1,30	0,17		0	0,71	
Thermal test (100% load)	2,0	400	Y	50	1,24	0,76	0,55	2590	0,88	71,90
Partial load points:										
~75% load	1,4	400	Y	50	0,93	0,54	0,41	2718	0,83	76,20
~50% load	0,9	400	Y	50	0,69	0,36	0,28	2818	0,75	78,20
~25% load	0,5	400	Y	50	0,44	0,18	0,14	2904	0,58	75,90

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		49,2	3
Frame :		7	3
Bearing D-end :		23	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 4.9.2007

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