Type Test Report

Date of issue: 2013.03.12

Serial No.: 3GH092213T5502

Customer:

Customer ref.:

Type: M3GP 132SMB 2
Product Code: 3GGP131322-_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	5,50	2865	18,00	0,86	S1
Insul.cl.F	400	Y	50	5,50	2865	10,40	0,86	S1
IP55								
Eff class IE2								

50Hz : IE2 - 88,0(100%) - 88,6(75%) - 88,0(50%)

Resistance
Line Ambient: 27,9 °C

U_1 - V_1	1,30200	Ω
U_1 - W_1	1,30100	Ω
V_1 - W_1	1,30200	Ω

Insulation resistance at 31,3 °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	3,0	0,30		3000	0,15	
Locked rotor test		80,9	Y	50	10,5	0,66		0	0,45	
Thermal test (100% load)	18,4	400	Y	50	10,0	6,34	5,50	2860	0,91	86,80
Partial load points:										
~75% load	13,6	400	Y	50	7,6	4,72	4,13	2896	0,89	87,50
~50% load	9,0	400	Y	50	5,4	3,17	2,75	2933	0,84	86,80
~25% load	4,4	400	Y	50	3,4	1,68	1,38	2965	0,70	82,10

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		48,4	3
Frame :		6,8	3
Bearing D-end :		34,1	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 16.6.2009

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