Test Report

Date of issue: 11.6.2014

Serial No.: 3GF11054639

Type: M3GP 355SMB 6 IMB3/IM1001
Product Code: 3GGP353220-ADG
Protection type: Ex nA IIC T3 Gc
Cert. No.: LCIE 12 ATEX 1008X
IECEx LCI 07.0001X

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	400	D	50	200	993	359	0,84	S1

Insul.cl.F
IP55
Ambient temp. +5°C...+40°C

Resistance
Line — Ambient: 20,5 °C

U_1 - V_1	0,00994 Ω
U_1 - W_1	0,00995 Ω
V_1 - W_1	0,00994 Ω

Insulation resistance at 62,0 °C
5800 MΩ 1000 V

Overload
Torque 160 % 15s

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		399,9	D	50	117,5	3,36		1000	0,04	
Locked rotor test		80,4	D	50	359,3	14,8		0	0,30	
Thermal test (100% load)	1923,0	400,1	D	50	364,5	209,9	200,0	992	0,83	95,3
Partial load points:										
~75% load	1438,0	400,0	D	50	281,7	157,0	150,0	994	0,80	95,6
~50% load	960,7	400,1	D	50	207,6	104,9	100,0	996	0,73	95,3
~25% load	475,2	400,2	D	50	147,6	53,8	50,0	998	0,53	93,0

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		64,9	1
Frame :		39,4	2
Bearing D-end :		45,3	2
Rotor:		109,9	3
Ambient Temperature :	25,0		2

Measurement method
1 Resistance
2 Thermometer
3 Thermocouples

Starting current (I_S / I_N) : 7,03
Locked rotor torque (T_I / T_N) : 2,72

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 1.2.2011

Tested by ABB Oy, Motors and Generators, Vaasa, Finland

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