Test Report

Cert. No. LCIE 10 ATEX 3092 X

Date of Issue

Customer:

Customer ref.:

Type: M3GP 100LB 4
Protection type: Ex nA II T3
Serial no.:
Tag no.:
Order no.:

Rating: Product Code 3GGP102520-_SH
3~Motor
Insul.cl. F
S1
IP 55
63 kg

V	Hz	kW	r/min	A	cos φ
400 Y	50	3	1442	6	0.83
230 D	50	3	1442	10,6	0.83
380 Y	50	3	1430	6,3	0.85
220 D	50	3	1430	10,9	0.85
415 Y	50	3	1444	5,8	0.82
440 Y	60	3,5	1729	6,2	0.85

Resistance

U_1 -V_1	3,105 Ω	23,0°C
U_1 -W_1	3,104 ”	
V_1 -W_1	3,104 ”	

Insulation resistance
24000 MΩ 1000 V
46,0°C

High-voltage test
1800 V 60s

Overload test
1,6 x T_N 15s

Starting Current I_S/I_N = 7,29

Test		Line U[V]	f[Hz]	Input I[A]	P_1 [kW]	Output P_2 [kW]	n[r/min]	cos φ	η [%]
No-load test		400,0 Y	50	3,145	0,197			0,0906	
Locked-rotor test		74,1 Y	50	6,014	0,426			0,5523	
Temperature-rise test		400,3 Y	50	6,12	3,50	3,00	1444	0,825	85,8

Temperature rise at amb.temp. 25,0°C

	[K]	Method
Stator winding	48,7	1

Temperature rise at amb. temp. 25,0°C

	[K]	Method
Frame	30,9	3
Bearing D-end	31,0	3

Measurement method
1 Resistance
2 Embeded temperature detector
3 Thermometer

These tests have been carried out on motor no. 3GF11060778B, on date 2011-05-23, which is identical in design with the above.

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

ABB Oy, Motors and Generators, Vaasa, Finland

ABB Oy
Motors and Generators
P.O.Box 633
FI-65101 Vaasa Finland
Phone: +358 10 2211
Fax: +358 10 22 47372