Test Report

Cert. No.

Date of Issue

Customer:

Customer ref.:

Type: M3BP 400LC 8
Protection type:
Serial no.:
Tag no.:
Order no.:

Rating: Product Code 3GBP404530-_DG
3~Motor
Insul.cl. F
S1 AMB -20...+40°C
IP 55
3400 kg

V	Hz	kW	r/min	A	cos φ
690 Y	50	400	744	424	0,82
400 D	50	400	744	731	0,82
660 Y	50	400	743	438	0,83
380 D	50	400	743	761	0,83
415 D	50	400	744	722	0,80
440 D	60	450	893	740	0,83

Resistance

U_1-V_1	0,004300 Ω	27,5°C
U_1-W_1	0,004298 ”	
V_1-W_1	0,004302 ”	

Insulation resistance
7000 MΩ 1000 V
83,0°C

High-voltage test
1900 V 60s

Overload test 1,6 x T_N 15s

Starting Current I_S/I_N = 6,02

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 D	50	259,00	5,070			0,0283	
Locked-rotor test		87,2 D	50	731,2	21,532			0,1949	
Temperature-rise test		400,8 D	50	735,26	416,40	400,00	744	0,817	96,1

Temperature rise at amb.temp. 25,0°C

	[K]	Method
Stator winding	68,9	1
Rotor	120,9	2

Temperature rise at amb. temp. 25,0°C

	[K]	Method
Frame	44,5	3
Bearing D-end	49,0	3

Measurement method
1 Resistance
2 Embeded temperature detector
3 Thermometer

These tests have been carried out on motor no. 3GF11069476C, on date 2011-06-10, 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