Test Report

Date of issue: 4.6.2014

Serial No.: 3GF11094409

Type: M3JP 400LC 8
Product Code: 3GJP404530-_DG
Protection type: Ex d IIB T4 Gb
Cert. No.: LCIE 10 ATEX 3004X / IECEx LCI 04.0032X

Rating:

	V		Hz	kW	r/min	A	cos φ
3~Motor	690	Y	50	400	744	424	0,82
Insul.cl.F	400	D	50	400	744	731,0	0,82
S1 AMB -20…+40°C	660	Y	50	400	743	438	0,83
IP55	380	D	50	400	743	761	0,83
3680 kg	415	D	500	400	744	722	0,8
	440	D	60	450,0	893	740,0	0,83

Resistance

Line — Ambient: 27,5 °C

U_1 - V_1	0,00430 Ω
U_1 - W_1	0,00430 Ω
V_1 - W_1	0,00430 Ω

Insulation resistance at 83,0 °C
7000 MΩ 1000 V

Overload test 1,6x T_N 15s

Starting Current I_S/I_N = 6,02

High-voltage test winding 1900 V 60s

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		400,0	D	50	259,0	5,07			0,03	
Locked rotor test		87,2	D	50	731,2	21,53			0,19	
Temperature-rise test		400,8	D	50	735,3	416,4	400,0	744	0,82	96,1

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		68,9	1
Frame :		44,5	3
Bearing D-end :		49,0	3
Rotor:		120,9	2
Ambient Temperature :	25,0		

Measurement method
1 Resistance
2 Thermometer
3 Thermocouples

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

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

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