Test Report

Cert. No. ATEX Cert.No.LCIE 06 ATEX 6089
IECEx Cert. No. IECEx LCI 07.0001

Date of Issue

Customer:

Customer ref.:

Type: M3GP 225SMC 8
Protection type: Ex nA II T3

Serial no.:
Tag no.:
Order no.:

Rating: Product Code 3GGP224230-_DG
3~Motor
Insul.cl. F
S1
IP 55
375 kg

V		Hz	kW	r/min	A	cos φ
690	Y	50	30	731	35.5	0.78
400	**D**	**50**	**30**	**731**	**61.2**	**0.78**
660	Y	50	30	728	36,4	0.80
380	D	50	30	728	63.3	0.80
415	D	50	30	732	61.2	0.75
440	D	60	34	878	62.1	0.79

Resistance

U_1 -V_1	0,2010 Ω	19 °C
U_1 -W_1	0,2011 ”	
V_1 -W_1	0,2011 ”	

Insulation resistance
4200 MΩ 1000 V
62 °C

High-voltage test
2400 V 60 s

Overload test
1,6 x T_N 15 s

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	28,3	0,913			0,0465	
Locked-rotor test		106,8 D	50	63,0	3,73			0,3196	
Temperature-rise test		400,1 D	50	62,1	33,23	30,0	731	0,77	90,3

Temperature rise at amb.temp. 25 °C

	[K]	Method
Stator winding	75,0	1

Temperature rise at amb. temp. 25 °C

	[K]	Method
Frame	51,0	3
Bearing D-end	51,6	3
Rotor	112,9	3

Measurement method
1 Resistance
2 Embedded temp. detector
3 Thermometer

These tests have been carried out on motor no. 3GF10022021B, 2010-02-22
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/Vaasa

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Motors

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