Test Report

Cert. No. ATEX Cert.No.LCIE 01 ATEX 6024

Date of Issue

Customer:

Customer ref.:

Type: M3HP 250SMB 4
Protection type: Ex e II T3

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

Rating: Product Code 3GHP 252 220 – _DG
3~Motor
Insul.cl. F
S1
IP 55
470 kg

V		Hz	kW	r/min	A	cos φ	I_A/I_N	T_E[s]
690	Y	50	60	1483	61	0.88	7.3	8
400	**D**	**50**	**60**	**1483**	**105**	**0.88**	7.3	8
440	D	60	60	1783	96	0.87	7.1	9

Resistance

U_1 -V_1	0,0563 Ω	23 °C
U_1 -W_1	0,0563 ”	
V_1 -W_1	0,0562 ”	

Insulation resistance
20000 MΩ 1000 V
44,5 °C

High-voltage test
2900 V 1 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		400,1 D	50	28,8	1,14			0,0572	
Locked-rotor test		82,5 D	50	105	33,1			0,2206	
Temperature-rise test		400,1 D	50	105	63,21	60,0	1483	0,87	94,9

Temperature rise at amb.temp. 25 °C

	[K]	Method
Stator winding	43,6	1

Temperature rise at amb. temp. 25 °C

	[K]	Method
Frame	24,6	3
Bearing D-end	34,5	3
Rotor	64,1	3

Measurement method
1 Resistance
2 Embedded temp. detector
3 Thermometer

These tests have been carried out on motor no. 3GF10027835B, 2010-05-28
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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