Test Report

Date of issue: 4.6.2014

Serial No.: 3GF12103382

Type:	M3JP 225SMB 6 IMB3/IM1001
Product Code:	3GJP223220-ADG
Protection type:	Ex d IIB T4 Gb
Cert. No.:	LCIE 10 ATEX 3057X / IECEx LCI 04.0005X

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	690	Y	50	30	985	33,2	0,82	S1
Insul.cl.F	400	D	50	30	985	57,2	0,82	S1
IP55	415	D	50	30	986	55,8	0,81	S1

Eff class IE2 — 400 V 50Hz: IE2 - 92.2(100%) - 92.6(75%) - 92.2(50%)

Resistance

Line — Ambient: 21,5 °C

U_1 - V_1	0,16727 Ω
U_1 - W_1	0,16729 Ω
V_1 - W_1	0,16750 Ω

Insulation resistance at 32,5 °C
6000 MΩ 1000 V

Overload
Torque 160 % 15s

High-voltage test winding 2900 V 1 s

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	24,0	0,83		998	0,05	
Locked rotor test		85,0	D	50	57,2	3,44		0	0,41	
Thermal test (100% load)	290,9	400,0	D	50	57,9	32,6	30,0	984	0,81	92,1
Partial load points:										
~75% load	218,1	400,0	D	50	45,5	24,3	22,5	988	0,77	92,6
~50% load	145,4	400,1	D	50	34,7	16,3	15,0	993	0,68	92,3
~25% load	72,6	400,0	D	50	26,5	8,45	7,50	996	0,46	88,8

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		69,4	1
Frame :		38,9	2
Bearing D-end :		48,8	2
Ambient Temperature :	25,0		2

Measurement method
1 Resistance
2 Thermometer
3 Thermocouples

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 Date of test 24.2.2012

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

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