Test Report

Serial No.: 3GF11059981

Type:	M3JP 160MLA 6 IMB3/IM1001
Product Code:	3GJP163410-ADH
Protection type:	Ex d IIB T4 Gb
Cert. No.:	LCIE 11 ATEX 3087X
	IECEx LCI 09.0008X

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	690	Y	50	7.5	968	9.2	0.78	S1
Insul.cl.F	400	D	50	7.5	968	15.8	0.78	S1
IP55	415	D	50	7.5	970	15.4	0.77	S1
Eff class IE2	87.2(100%) - 88.4(75%) - 88.2(50%)							

Resistance
Line — Ambient: 20 ºC

U_1 - V_1	0.85050 Ω
U_1 - W_1	0.85080 Ω
V_1 - W_1	0.85160 Ω

Insulation resistance at 35 ºC
10000 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		400.5	D	50	7.1	0.26		998	0.05	
Locked rotor test		103.0	D	50	14.8	0.88		0	0.33	
Thermal test (100% load)	73.6	400.4	D	50	15.8	8.6	7.5	967	0.78	87.7
Partial load points:										
~75% load	55.7	400.4	D	50	12.6	6.3	5.6	978	0.72	89.2
~50% load	35.8	400.1	D	50	9.8	4.2	3.8	987	0.62	89.6
~25% load	18.4	400.3	D	50	7.8	2.2	1.9	995	0.40	86.1

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		41	1
Frame :		24	2
Bearing D-end :		24	2
Ambient Temperature :	25		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 2.2.2012

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

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