Test Report

Date of issue: 4.6.2014

Serial No.: 3GF10039061

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	400	D	50	7,5	965	15,3	0,81	S1
Insul.cl.F	415	D	50	7,5	968	15,1	0,79	S1
IP65	690	Y	50	7,5	965	8,9	0,81	S1

Eff class IE2 — 50Hz : IE2 - 87.2(100%) - 88.4(75%) - 88.2(50%)

Resistance

Line — Ambient: 21,0 °C

U_1 - V_1	1,08290	Ω
U_1 - W_1	1,08240	Ω
V_1 - W_1	1,08360	Ω

Insulation resistance at 51,0 °C

2400 MΩ 1000 V

Overload

Torque 160% 15s

High-voltage test winding 1900 V 60 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	6,99	0,37		1000	0,08	
Locked rotor test		101,6	D	50	15,3	1,06		0	0,39	
Thermal test (100% load)	74,2	400,0	D	50	15,8	8,75	7,50	961	0,80	85,7
Partial load points:										
~75% load	55,7	400,1	D	50	12,6	6,48	5,62	972	0,74	86,9
~50% load	37,1	400,1	D	50	9,87	4,33	3,75	983	0,63	86,6
~25% load	18,6	400,1	D	50	7,84	2,31	1,87	990	0,43	81,2

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		80,4	1
Frame :		26,4	2
Bearing D-end :		27,6	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 29.9.2010

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