Test Report

Date of issue: 4.6.2014

Serial No.: 3GF11094436

Type: M3JP 180MLC 4 IMB3/IM1001
Product Code: 3GJP182430-ADH
Protection type: Ex d IIB T4 Gb
Cert. No.: LCIE 11 ATEX 3088X / IECEx LCI 09.0009X

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	690	Y	50	30	1473	33,6	0,81	S1
Insul.cl.F	400	D	50	30	1473	57,9	0,81	S1
IP55	415	D	50	30	1474	57,2	0,79	S1

Eff class IE1 — 50Hz : IE1 - 92.2(100%) - 92.3(75%) - 91.6(50%)

Resistance
Line — Ambient: 22,0 °C
U_1 - V_1 0,14279 Ω
U_1 - W_1 0,14300 Ω
V_1 - W_1 0,14277 Ω

Insulation resistance at 36,5 °C
8000 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	27,3	1,09		1498	0,06	
Locked rotor test		86,3	D	50	57,9	3,05		0	0,35	
Thermal test (100% load)	194,5	400,1	D	50	59,4	33,0	30,0	1466	0,80	90,9
Partial load points:										
~75% load	145,9	400,0	D	50	47,7	24,6	22,5	1476	0,75	91,4
~50% load	97,0	400,1	D	50	37,7	16,6	15,0	1483	0,63	90,6
~25% load	48,6	400,1	D	50	30,3	8,72	7,50	1491	0,42	86,0

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		88,5	1
Frame :		37,8	2
Bearing D-end :		51,7	2
Rotor:		112,7	3
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 6.2.2012

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

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