Test Report

Date of issue: 25.5.2015

Serial No.:

Customer:

Customer ref.:

Order No.:
Type: M3JP 200MLA 2
Product Code: 3GJP201410-ADK
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	30,0	2958	29,6	0,90	S1
Insul.cl.F	400	D	50	30,0	2958	51,0	0,90	S1
IP55	660	Y	50	30,0	2952	31,2	0,90	S1
	380	D	50	30,0	2952	54,1	0,90	S1
	415	D	50	30,0	2962	49,2	0,90	S1
	460	D	60	30,0	3563	44,5	0,90	S1

Eff class IE3

50Hz : IE3-94,2(100%)-94,9(75%)-94,7(50%)
60Hz : IE3-93,5(100%)

Resistance
Line Ambient: 23,7 ºC
U_1 - V_1 0,1163 Ω
U_1 - W_1 0,1142 Ω
V_1 - W_1 0,1175 Ω

Insulation resistance at 24 ºC
R > 2000 Mohm 1000 V

Overload
Current 150 % 120s
Torque 160 % 15s
Speed 120 % 120s

High-voltage test winding 2400 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		401,1	D	50	12,5	0,56		3000	0,06	
Locked rotor test		71,2	D	50	49,4	2,05		0	0,34	
Thermal test (100% load)	96,8	400	D	50	51,5	31,82	30,00	2960	0,89	94,29
Partial load points:										
~75% load	75,5	400	D	50	41,0	24,78	23,47	2970	0,87	94,72
~50% load	51,0	400	D	50	29,2	16,80	15,91	2981	0,83	94,69
~25% load	26,9	400	D	50	19,2	9,08	8,43	2991	0,68	92,82

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		51,8	1
Frame :		31,3	2
Bearing D-end :		24,7	2
Ambient Temperature :	24		2

Measurement method
1 Resistance
2 Thermometer
3 Thermocouples

These tests have been carried out on motor no. 3GV1110782965001, on date 2011-09-27
which is identical in electrical 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 Date of test

Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden
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Computer print-out valid without signature.