Test Report

Date of issue: 4.6.2014

Serial No.: 3GP11023670

Customer:

Customer ref.:

Order No.: 596143-10 / 30165272-1
Type: M3JP 315MLA 2 B3
Product Code: 3GJP311410-ADG
Protection type: Ex d IIB T4 Gb
Cert. No.: LCIE 11 ATEX 3090X / IECEx LCI 04.0007X

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	400	D	50	185	2982	314	0,89	S1

Insul.cl.F
IP55

Resistance
Line — Ambient: 20,5 °C

U_1 - V_1	0,00832	Ω
U_1 - W_1	0,00830	Ω
V_1 - W_1	0,00832	Ω

Insulation resistance at 61,0 °C
2300 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		400,1	D	50	70,1	3,65		3000	0,08	
Locked rotor test		64,2	D	50	314,1	9,95		0	0,28	
Thermal test (100% load)	592,5	400,8	D	50	313,7	192,9	185,0	2984	0,89	95,9
Partial load points:										
~75% load	444,0	400,9	D	50	239,3	144,8	138,8	2988	0,87	95,8
~50% load	292,5	401,1	D	50	169,7	97,3	92,5	2993	0,83	95,1
~25% load	145,2	401,2	D	50	108,8	50,2	46,3	2997	0,67	92,1

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		65,6	1
Frame :		32,9	2
Bearing D-end :		42,0	2
Rotor:		79,2	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 18.1.2012

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

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Computer print-out valid without signature.