Test Report

Date of issue: 4.6.2014

Serial No.: 0752-010227745

Type: M3JP 180MLB 6 B3
Product Code: 3GJP183420-H
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	400	D	50	15	972	29,2	0,82	S1
Insul.cl.F	415	D	50	15	974	28,7	0,80	S1
IP55	690	Y	50	15	972	16,9	0,82	S1

Eff class IE2 — 400 V 50Hz : IE2 - 90.4(100%) - 91.0(75%) - 90.4(50%)

Resistance
Line — Ambient: 22,0 °C

U_1 - V_1	0,36630	Ω
U_1 - W_1	0,36640	Ω
V_1 - W_1	0,36590	Ω

Insulation resistance at 21,0 °C
20000 MΩ 1000 V

Overload
Torque 160% 15s

High-voltage test winding 2400 V 60 s

Test		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	13,6	0,56		1000	0,06	
Locked rotor test		93,3	D	50	31,2	1,62		0	0,32	
Thermal test (100% load)		399,8	D	50	29,8	16,7	15,0	973	0,81	90,0
Partial load points:										
~75% load		400,0	D	50	23,8	12,4	11,3	981	0,75	90,7
~50% load		400,0	D	50	18,6	8,31	7,50	988	0,65	90,2
~25% load		400,1	D	50	14,8	4,37	3,75	994	0,43	85,8

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		60,0	1
Frame :		33,9	2
Bearing D-end :		32,4	2
Rotor:		83,2	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 11.7.2008

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

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