Test Report

Date of issue: 25.11.2015

Type: M3JM 250SMA 8
Product Code: 3GJM254210-_DG
Protection type: Ex d I Mb
Cert. No.: LCIE 10 ATEX 3063X / IECEx LCI 04.0012X

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	690	Y	50	30	735	35,2	0,78	S1
Insul.cl.F	400	D	50	30	735	60,7	0,78	S1
IP66	415	D	50	30	736	60,0	0,77	S1

Eff class IE3 — 50Hz : IE3 - 91.6%(100%) - 91.0%(75%) - 90.5%(50%)

Resistance
Line — Ambient: 22 °C
U_1 - V_1 0,18674 Ω
U_1 - W_1 0,18673 Ω
V_1 - W_1 0,18677 Ω

Insulation resistance at 59 °C
1200 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	26,2	0,76		750	0,04	
Locked rotor test		99,3	D	50	60,8	2,88		0	0,28	
Thermal test (100% load)	389,8	400,0	D	50	59,9	32,8	30,0	734	0,79	91,6
Partial load points:										
~75% load	291,9	400,0	D	50	47,8	24,4	22,5	738	0,74	92,3
~50% load	194,8	400,0	D	50	37,4	16,3	15,0	742	0,63	92,1
~25% load	97,2	400,0	D	50	29,5	8,42	7,50	745	0,41	89,0

Temperature rise at rated load.	[°C]	[K]	Method
Stator winding :		71	1
Frame :		43	2
Bearing D-end :		51	2
Ambient Temperature :	25		2

Measurement method
1 Resistance
2 Thermocouples
3 Thermometer

These tests have been carried out on motor no. 3GF11094411, on date 2012-04-18, 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

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