Test Report

Date of issue: 11.6.2014

Serial No.: 75033778004001B

Type: M3GP 355SMC 8 IMB3/IM1001
Product Code: 3GGP354230-ADG
Protection type: Ex nA IIC T3 Gc
Cert. No.: LCIE 12 ATEX 1008X
IECEx LCI 07.0001X

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	400	D	50	185,0	744	354	0,79	S1
Insul.cl.F	690	Y	50	185,0	744	205	0,79	S1
IP55	415	D	50	185,0	744	341	0,79	S1

400 V 50Hz: 95,4(100%) - 95,6(75%) - 95,3(50%)

Resistance
Line — Ambient: 14,0 ºC

U_1 - V_1	0,01172 Ω
U_1 - W_1	0,01171 Ω
V_1 - W_1	0,01172 Ω

Insulation resistance at 14 ºC
R > 2000 Mohm 1000 V

Overload

Voltage	130 %	180s
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	159,1	3,17		750	0,03	
Locked rotor test		85,2	D	50	360,7	12,69		0	0,24	
Thermal test (100% load)	2378,6	400	D	50	359,7	193,93	185,00	743	0,78	95,40
Partial load points:										
~75% load	1778,2	400	D	50	287,2	145,13	138,75	745	0,73	95,60
~50% load	1182,5	400	D	50	224,3	97,09	92,50	747	0,63	95,30
~25% load	590,6	400	D	50	177,3	49,87	46,25	748	0,41	92,70

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		61,3	1
Frame :		24,7	2
Bearing D-end :		37,5	2
Ambient Temperature :	25		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 19.12.2011

Tested by ABB Shanghai Motors , LV Motors, Shanghai,P.R.China

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