V6.0.1 - 1.0.6486.23853

Type Test Report

Date of Issue: 01/02/2018

Serial No.: 0155

Customer:

Customer ref.:

Tag No.:
Order No.:
Type: M3MA 100 LA 6
Product Code: 3GMA103510-xSx
Protection type:
Cert. No.:

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	460	Y	60	1.5	1180	3.38	0.62	S1

Ins. Class F
IP69K

Eff class NEMA Premium Efficiency
NEMA NOM EFF 88.5%

Resistance
Line — Ambient: 22 °C

U_1 - V_1	3.88000 Ω
U_1 - W_1	3.88700 Ω
V_1 - W_1	3.89400 Ω

Insulation resistance at 20 °C

R > 2000 Mohm 1000 V

High-voltage test 2400 V 1 s

Test	Torque [Nm]	Line U[V]		f[Hz]	Input I[A]	P1 [W]	Output P2 [W]	n[r/min]	cos φ	h [%]	s [%]
No-load test		460.3	Y	60	2.23	108.86			0.06		
Thermal test (100% load)	12.1	459.2	Y	60	3.41	1676.6	1501.9	1186	0.62	89.6	1.81
Partial load points:											
~75% load	9.1	461.2	Y	60	3.00	1273.2	1126.0	1191	0.53	89.0	1.32
~50% load	6.0	462.4	Y	60	2.66	872.5	744.9	1197	0.41	86.0	0.87
~25% load	2.9	463.1	Y	60	2.40	482.0	366.7	1202	0.25	77.0	0.47

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		32	1
Frame :	52		2
Ambient Temperature :	24		2

Measurement method
1 Resistance
2 Thermocouples
3 Thermometer

Tested according to IEEE-112 Method B.

On behalf of customer

On behalf of manufacturer Date of test: 01/02/2018

Tested by ABB S.p.A. - RMMG - 20010 Vittuone (MI) Italy

Computer print-out valid without signature.

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