Test Report

Cert no: CC031A

Cate of issue:

Customer:

Customer ref.:

Serial no:
Order no:
Type: M3BP 112MG 4
Product Code: 3GBP112370-_CK
Tag no:

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	460	Y	60	4	1754	7,2	0,77	S1

Insul.cl.F
IP55

Eff class NEMA Premium Efficiency — NEMA NOM EFF 89.5%

Resistance
Line — Ambient: 24 °C

U_1 - V_1	2,1930 Ω
U_1 - W_1	2,1950 Ω
V_1 - W_1	2,1940 Ω

Insulation resistance at 51 °C
20000 MΩ 1000 V

High-voltage test winding 2900 V 1 s

Overload
Torque 160% 15s

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		459,9	Y	60	3,77	0,18		1798	0,06	
Locked rotor test		99,6	Y	60	7,49	0,52		0	0,40	
Thermal test (100% load)	21,9	460,1	Y	60	7,34	4,49	4,02	1752	0,77	89,5
Partial load points:										
~75% load	16,4	460,0	Y	60	6,05	3,38	3,04	1764	0,70	89,8
~50% load	11,0	460,1	Y	60	4,96	2,30	2,05	1777	0,58	89,0
~25% load	5,5	460,0	Y	60	4,14	1,23	1,03	1788	0,37	83,8

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		45	1
Frame :		23	2
Bearing D-end :		32	2
Rotor :		53	3
Ambient Temperature :	25		2

Measurement method
1 Resistance
2 Thermometer
3 Thermocouples

These tests have been carried out, date 15.09.2013, the test B, on motor no 3GF13165593, which is identical in design with the above.

Manufactured and tested in accordance with rules of IEC 60034-1 and CSA C390-10.
PLL determined from residual loss.

On behalf of customer

On behalf of manufacturer Date of test 15.9.2013

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

Telephone +358 10 2211
Telefax +358 10 22 47372

Computer print-out valid without signature.