Type Test Report

Date of issue: 24.8.2015

Serial No.:

Customer:

Customer ref.:

Type: M3BP 200MLB 4
Product Code: 3GBP202420-ADG

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	690	Y	50	37,0	1479	39,0	0,85	S1
Insul.cl.F	400	D	50	37,0	1479	67,2	0,85	S1
IP55	415	D	50	37,0	1481	65,4	0,84	S1
	440	D	60	37,0	1780	60,1	0,86	S1
	460	D	60	37,0	1783	58,6	0,84	S1

Eff class IE2

50Hz : IE2 - 93,4%(100%) - 94,4%(75%) - 94,4%(50%)
60Hz : IE2 - 93,9%(100%)

Resistance
Line Ambient: 20,1 ºC

U_1 - V_1	0,12320	Ω
U_1 - W_1	0,12320	Ω
V_1 - W_1	0,12330	Ω

Insulation resistance at 21,5 ºC
R > 2000 Mohm 1000 V

Overload

Current	150 %	120s
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		400,2	D	50	21,9	0,69		1500	0,05	
Locked rotor test		88,9	D	50	70,9	3,77			0,35	
Thermal test (100% load)	238,9	400	D	50	67,2	39,54	37,00	1479	0,85	93,59
Partial load points:										
~75% load	180,2	400	D	50	52,5	29,76	28,03	1485	0,82	94,20
~50% load	120,2	400	D	50	39,0	19,90	18,75	1490	0,74	94,21
~25% load	61,7	400	D	50	28,0	10,48	9,66	1496	0,54	92,17

Temperature rise at rated load.

	[ºC]	[K]	Method
Stator winding :		76,7	1
Frame :		55,1	2
Bearing D-end :		44,7	2
Ambient Temperature :	22		2

Measurement method
1 Resistance
2 Thermometer
3 Thermocouples

These tests have been carried out on motor no. 3GV11 10837618 001, on date 2011-11-28
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 Date of test

Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden

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