Test Report

Date of issue: 4.6.2014

Serial No.: 3GF11094432

Type:	M3KP 200MLB 8 IMB3/IM1001
Product Code:	3GKP204420-ADG
Protection type:	Ex de IIB T4 Gb
Cert. No.:	LCIE 10 ATEX 3061X / IECEx LCI 04.0011X

Rating:

	V		Hz	kW	r/min	A	cos φ	Duty
3~Motor	690	Y	50	18,5	734	21,5	0,80	S1
Insul.cl.F	400	D	50	18,5	734	37,1	0,80	S1
IP55	415	D	50	18,5	735	36,7	0,78	S1

Resistance

Line — Ambient: 17,5 °C

U_1 - V_1	0,40740 Ω
U_1 - W_1	0,40780 Ω
V_1 - W_1	0,40770 Ω

Insulation resistance at 34,5 °C

8000 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		400,1	D	50	16,4	0,68		750	0,06	
Locked rotor test		91,2	D	50	37,1	2,20		0	0,38	
Thermal test (100% load)	240,7	400,1	D	50	37,1	20,8	18,5	733	0,81	88,8
Partial load points:										
~75% load	180,3	400,0	D	50	29,6	15,5	13,9	738	0,76	89,4
~50% load	120,2	400,1	D	50	23,1	10,5	9,25	743	0,65	88,4
~25% load	60,1	400,0	D	50	18,3	5,59	4,62	746	0,44	82,7

Temperature rise at rated load.

	[°C]	[K]	Method
Stator winding :		58,7	1
Frame :		36,7	2
Bearing D-end :		46,5	2
Ambient Temperature :	25,0		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 4.2.2012

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

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