



<b>Test Report</b>				Date of issue: 4.6.2014						
				Serial No.: 0908-010290845A						
				Type: M3KP 200MLC 2 B3						
				Product Code: 3GKP201430-G						
				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				400	D	50	2954	64,1	0,89	S1
Insul.cl.F				415	D	50	2958	62,4	0,88	S1
IP55				690	Y	50	2954	37,2	0,89	S1
Eff class IE2				400 V 50Hz : IE2 - 93.6(100%) - 94.0(75%) - 93.4(50%)						
Resistance Line				Ambient: 21,5 °C		Insulation resistance at 56,0 °C		Overload		
U <sub>1</sub> - V <sub>1</sub>				0,09192 Ω		3500 MΩ		1000 V		Torque 160 % 15s
U <sub>1</sub> - W <sub>1</sub>				0,09179 Ω						
V <sub>1</sub> - W <sub>1</sub>				0,09189 Ω						
						High-voltage test winding		1900 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		400,1 D	50	15,9	0,93		3000	0,08		
Locked rotor test		73,4 D	50	65,1	2,90		0	0,35		
Thermal test (100% load)	119,9	400,1 D	50	64,7	39,6	37,0	2954	0,88	93,5	
Partial load points:										
~75% load	89,2	400,0 D	50	49,3	29,6	27,8	2968	0,87	93,9	
~50% load	59,4	400,0 D	50	35,2	19,8	18,5	2979	0,81	93,3	
~25% load	30,1	400,1 D	50	22,9	10,28	9,25	2989	0,65	89,9	
Temperature rise at rated load.			[°C]	[K]	Method	Measurement method				
		Stator winding :		70,9	1	1 Resistance				
		Frame :		27,7	2	2 Thermometer				
		Bearing D-end :		44,1	2	3 Thermocouples				
		Rotor:		82,9	3					
		Ambient Temperature :	25,0		2					
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		26.3.2009					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland							Telephone	+358 10 2211		
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