



Test Report				Date of issue: 4.6.2014							
				Serial No.: 0929-010207203							
				Type: M3KP 200MLC 4							
				Product Code: 3GKP202430-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	37	1475	70	0,82	S1
Insul.cl.F				415	D	50	37	1477	68,3	0,81	S1
IP56				690	Y	50	37	1475	40,6	0,82	S1
Eff class IE2				400 V 50Hz : IE2 - 93.0(100%) - 93.1(75%) - 92.3(50%)							
Resistance Line				Ambient: 24,5 °C				Insulation resistance at 49,5 °C		Overload	
U <sub>1</sub> - V <sub>1</sub>				0,11791 Ω				4000 MΩ		1000 V	
U <sub>1</sub> - W <sub>1</sub>				0,11788 Ω						Torque 160% 15s	
V <sub>1</sub> - W <sub>1</sub>				0,11786 Ω						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		400,0 D	50	29,2	1,11		1500	0,06			
Locked rotor test		81,5 D	50	70,0	3,66		0	0,37			
Thermal test (100% load)	239,6	400,1 D	50	70,5	39,9	37,0	1480	0,82	92,8		
Partial load points:											
~75% load	179,7	400,2 D	50	56,0	29,9	27,8	1484	0,77	92,9		
~50% load	119,8	400,1 D	50	43,2	20,1	18,5	1489	0,67	92,1		
~25% load	59,8	400,1 D	50	33,4	10,5	9,25	1494	0,45	88,1		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :					69,2	1		1 Resistance			
Frame :					41,7	2		2 Thermometer			
Bearing N-end :					49,0	2		3 Thermocouples			
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				26.8.2009			
Tested by ABB Oy, Motors and Generators, Vaasa, Finland								Telephone		+358 10 2211	
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