



Test Report				Date of issue: 4.6.2014							
				Serial No.: 3GF11078516							
				Type: M3KP 200MLA 6 IMV6/IM1031							
				Product Code: 3GKP203410-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				400	D	50	18,5	983	35,8	0,82	S1
Insul.cl.F				415	D	50	18,5	984	35,3	0,80	S1
IP55				690	Y	50	18,5	983	20,8	0,82	S1
Eff class IE2				400 V 50Hz : IE2 - 90.9(100%) - 91.1(75%) - 90.2(50%)							
Resistance Line				Ambient: 23,5 °C				Insulation resistance at 62,5 °C		Overload	
U ₁ - V ₁				0,33970 Ω				2000 MΩ		1000 V	
U ₁ - W ₁				0,33960 Ω						Torque 160 % 15s	
V ₁ - W ₁				0,33950 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		400,0 D	50	15,3	0,71		1000	0,07			
Locked rotor test		83,5 D	50	36,2	2,35		0	0,45			
Thermal test (100% load)	179,7	400,2 D	50	36,2	20,4	18,5	983	0,82	90,6		
Partial load points:											
~75% load	134,0	400,2 D	50	28,7	15,2	13,9	989	0,77	91,0		
~50% load	88,7	400,2 D	50	22,3	10,3	9,25	993	0,66	90,3		
~25% load	43,9	400,4 D	50	17,5	5,41	4,62	997	0,45	85,5		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :					65,6	1		1 Resistance			
Frame :					43,7	2		2 Thermometer			
Bearing D-end :					37,6	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		20.8.2011						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland								Telephone		+358 10 2211	
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