



Test Report				Date of issue: 4.6.2014					
				Serial No.: 3GF11094421					
				Order No.: 599608-17					
				Type: M3KP 200MLC 6 IMB3/IM1001					
				Product Code: 3GKP203430-ADG222					
				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	30	983	34,2	0,80	S1		
Insul.cl.F	400	D 50	30	983	59	0,80	S1		
IP55	415	D 50	30	984	58,4	0,78	S1		
Eff class IE1		50Hz : IE2 - 91,6(100%) - 91,7(75%) - 90,5(50%)							
Resistance			Ambient: 21,0 °C		Insulation resistance at 30,5 °C		Overload		
Line			1600 MΩ		1000 V		Torque 160 % 15s		
U ₁ - V ₁			0,17878 Ω						
U ₁ - W ₁			0,17878 Ω						
V ₁ - W ₁			0,17892 Ω						
				High-voltage test winding		2900 V 1 s			
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1 [kW]	Output P2 [kW]	η[r/min]	cos φ	η [%]
No load test		399,8 D	50	27,6	1,32		998	0,07	
Locked rotor test		81,2 D	50	59,1	3,48		0	0,42	
Thermal test (100% load)	291,5	400,1 D	50	59,3	33,3	30,0	982	0,81	90,1
Partial load points:									
~75% load	218,5	400,1 D	50	47,5	24,9	22,5	987	0,76	90,3
~50% load	145,6	400,0 D	50	37,3	16,8	15,0	991	0,67	89,2
~25% load	72,8	400,1 D	50	29,7	8,97	7,50	995	0,44	83,6
Temperature rise at rated load.			°C	K	Method		Measurement method		
Stator winding :			76,3	1	1 Resistance		1 Resistance		
Frame :			42,1	2	2 Thermometer		2 Thermometer		
Bearing D-end :			59,7	2	3 Thermocouples		3 Thermocouples		
Rotor :				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		7.12.2011				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

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