



Test Report				Date of issue: 4.6.2014					
				Serial No.: 3GF11094434					
				Order No.: 599608-16					
				Type: M3KP 200MLB 6 IMB3/IM1001					
				Product Code: 3GKP203420-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	22	983	24,5	0,82	S1		
Insul.cl.F	400	D 50	22	983	42,2	0,82	S1		
IP55	415	D 50	22	984	41,2	0,81	S1		
Eff class IE2		50Hz : IE2 - 91.6(100%) - 91,9(75%) - 91.0(50%)							
Resistance			Ambient: 21,5 °C		Insulation resistance at 51,5 °C		Overload		
Line					3600 MΩ 1000 V		Torque 160 % 15s		
U ₁ - V ₁			0,26960 Ω						
U ₁ - W ₁			0,26940 Ω						
V ₁ - W ₁			0,26950 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]	n[r/min]	cos φ	η [%]
No load test		400,0 D	50	17,3	0,81		998	0,07	
Locked rotor test		84,7 D	50	42,4	2,67		0	0,43	
Thermal test (100% load)	213,7	400,1 D	50	42,8	24,4	22,0	983	0,82	90,3
Partial load points:									
~75% load	160,3	400,1 D	50	33,7	18,2	16,5	987	0,78	90,8
~50% load	106,8	400,0 D	50	25,8	12,2	11,0	992	0,68	90,2
~25% load	53,4	400,0 D	50	19,7	6,42	5,50	996	0,47	85,7
Temperature rise at rated load.			°C	K	Method		Measurement method		
Stator winding :			73,0	1			1 Resistance		
Frame :			45,5	2			2 Thermometer		
Bearing D-end :			58,4	2			3 Thermocouples		
Ambient Temperature :			25,0	2					
Vibration:		D-end	↓ 0,50	→ 0,35	Starting current (I _S / I _N) : 6,52				
		N-end	1,10	1,00	Locked rotor torque (T _L / T _N) : 3,03				
		Axial	0,35		Breakdown torque (T _b / T _N) : 2,83				
					Pull-up torque (T _u / T _N) : 2,49				
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		8.12.2011				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211			
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