



Test Report				Date of issue: 4.6.2014					
				Serial No.: 3GF11094424					
				Type: M3KP 225SMB 8 IMB3/IM1001					
				Product Code: 3GKP224220-ADG					
				Protection type: Ex de IIB T4 Gb					
				Cert. No.: LCIE 10 ATEX 3057X / IECEx LCI 04.0005X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3-Motor	690	Y 50	22	732	26,4	0,77	S1		
Insul.cl.F	400	D 50	22	732	45,5	0,77	S1		
IP55	415	D 50	22	733	44,9	0,75	S1		
Resistance			Ambient: 21,0 °C		Insulation resistance at 35,0 °C		Overload		
Line			3000 MΩ		1000 V		Torque 160 % 15s		
U ₁ - V ₁	0,29520 Ω								
U ₁ - W ₁	0,29540 Ω								
V ₁ - W ₁	0,29510 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	21,1	0,67		750	0,05	
Locked rotor test		106,5 D	50	45,4	2,61		0	0,31	
Thermal test (100% load)	287,0	400,1 D	50	45,3	24,3	22,0	732	0,78	90,4
Partial load points:									
~75% load	215,2	400,0 D	50	36,4	18,1	16,5	737	0,72	91,2
~50% load	143,5	400,1 D	50	28,8	12,1	11,0	742	0,61	91,0
~25% load	71,5	400,1 D	50	23,1	6,30	5,50	746	0,39	87,3
Temperature rise at rated load.			°C	[K]	Method		Measurement method		
Stator winding :			66,5	1	1 Resistance		1 Resistance		
Frame :			42,4	2	2 Thermometer		2 Thermometer		
Bearing D-end :			45,5	2	3 Thermocouples		3 Thermocouples		
Ambient Temperature :			25,0	2					
						Starting current (I _S / I _N) : 6,09			
						Locked rotor torque (T _L / T _N) : 1,94			
						Breakdown torque (T _b / T _N) : 2,92			
						Pull-up torque (T _u / T _N) : 1,72			
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		7.2.2012				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211			
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