



Test Report				Date of issue: 4.6.2014					
				Serial No.: 3GF11094413					
				Order No.: 599608-29					
				Type: M3KP 250SMB 8 IMB3/IM1001					
				Product Code: 3GKP254220-ADG					
				Protection type: Ex de IIB T4 Gb					
				Cert. No.: LCIE 10 ATEX 3063X / IECEx LCI 04.0012X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor	690	Y 50	37	737	43	0,78	S1		
Insul.cl.F	400	D 50	37	737	74,2	0,78	S1		
IP55	415	D 50	37	738	72,2	0,77	S1		
Resistance		Ambient: 22,5 °C		Insulation resistance at 35,0 °C		Overload			
Line				12000 MΩ	1000 V	Torque 160 % 15s			
U ₁ - V ₁			0,12991 Ω						
U ₁ - W ₁			0,12985 Ω						
V ₁ - W ₁			0,12993 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		400,1 D	50	33,6	0,96		750	0,04	
Locked rotor test		91,0 D	50	74,3	3,34		0	0,29	
Thermal test (100% load)	479,4	400,1 D	50	73,3	40,0	37,0	737	0,79	92,5
Partial load points:									
~75% load	359,4	400,1 D	50	58,7	29,8	27,8	741	0,73	93,1
~50% load	238,3	400,1 D	50	46,1	20,0	18,5	744	0,63	92,7
~25% load	119,8	400,1 D	50	36,6	10,4	9,25	747	0,41	89,4
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method		
Stator winding :				56,3	1		1 Resistance		
Frame :				30,5	2		2 Thermometer		
Bearing D-end :				43,6	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		17.3.2012					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

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