



Test Report				Date of issue: 6.6.2014					
				Serial No.: 3GF11094415					
				Type: M3KP 225SMB 2 IMB3/IM1001					
				Product Code: 3GKP221220-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	45	2968	46,1	0,87	S1		
Insul.cl.F	400	D 50	45	2968	79,5	0,87	S1		
IP55	415	D 50	45	2970	78	0,86	S1		
Eff class IE2		50Hz : IE2 - 93.9(100%) - 93.8(75%) - 92.9(50%)							
Resistance			Ambient: 20,0 °C		Insulation resistance at 43,5 °C		Overload		
Line			3800 MΩ		1000 V		Torque 160 % 15s		
U ₁ - V ₁			0,06334 Ω						
U ₁ - W ₁			0,06332 Ω						
V ₁ - W ₁			0,06332 Ω						
				High-voltage test winding 1800 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	22,1	1,16		2998	0,08	
Locked rotor test		73,2 D	50	79,5	3,43		0	0,34	
Thermal test (100% load)	144,8	400,1 D	50	78,8	47,7	45,0	2966	0,87	94,3
Partial load points:									
~75% load	108,6	400,0 D	50	60,7	35,8	33,8	2975	0,85	94,4
~50% load	72,4	400,1 D	50	44,1	24,1	22,5	2983	0,79	93,6
~25% load	35,9	400,0 D	50	29,9	12,5	11,3	2992	0,60	89,9
Temperature rise at rated load.				°C	[K]	Method		Measurement method	
Stator winding :				58,8	1			1 Resistance	
Frame :				29,4	2			2 Thermometer	
Bearing D-end :				42,3	2			3 Thermocouples	
Ambient Temperature :				25,0	2				
Vibration:		↓	→						
D-end		0,35	0,40						
N-end		0,50	0,60						
Axial		0,35							
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		21.1.2012				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211			
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