



Type Test Report				Date of issue: 4.6.2014						
				Serial No.: 3GF12103384						
				Order No.: 627894-1						
				Type: M3KP 225SMC 4 IMB3/IM1001						
				Product Code: 3GKP222230-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	1477	45,4	0,88	S1		
Insul.cl.F		400	D 50	45	1477	78,4	0,88	S1		
IP55		415	D 50	45	1479	77,3	0,86	S1		
Eff class IE2		50Hz : IE2-94.1%(100%)-94.6%(75%)-94.4%(50%)								
Resistance Line			Ambient: 22,0 °C			Insulation resistance at 42,5 °C		Overload		
U ₁ - V ₁			0,08011 Ω			4900 MΩ		1000 V		
U ₁ - W ₁			0,08011 Ω					Torque 160 % 15s		
V ₁ - W ₁			0,08028 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	25,4	1,00		1500	0,06		
Locked rotor test		79,8 D	50	78,4	3,91		0	0,36		
Thermal test (100% load)	291,0	400,1 D	50	81,5	48,1	45,0	1480	0,85	93,5	
Partial load points:										
~75% load	217,8	400,0 D	50	62,5	35,9	33,8	1486	0,83	93,9	
~50% load	145,0	400,1 D	50	45,6	24,0	22,5	1491	0,76	93,7	
~25% load	72,6	400,1 D	50	31,8	12,4	11,3	1495	0,56	90,8	
Temperature rise at rated load.				°C	[K]	Method		Measurement method		
Stator winding :				62,8	62,8	1		1 Resistance		
Frame :				26,6	26,6	2		2 Thermometer		
Bearing D-end :				45,4	45,4	2		3 Thermocouples		
Rotor :						3				
Ambient Temperature :				25,0	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		18.3.2012						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372		

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