



Test Report				Date of issue: 4.6.2014					
				Serial No.: 3GF11094435					
				Type: M3KP 225SMC 8 IMB3/IM1001					
				Product Code: 3GKP224230-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	30	731	35,5	0,78	S1		
Insul.cl.F	400	D 50	30	731	61,2	0,78	S1		
IP55	415	D 50	30	732	61,2	0,75	S1		
400 V D 50Hz : 90,7(100%) - 91.5(75%) - 91.3(50%)									
Resistance			Ambient: 21,5 °C		Insulation resistance at 39,0 °C		Overload		
Line			1800 MΩ		1000 V		Torque 160 % 15s		
U ₁ - V ₁			0,21000 Ω						
U ₁ - W ₁			0,21000 Ω						
V ₁ - W ₁			0,21000 Ω						
				High-voltage test winding		2400 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	28,9	0,91		750	0,05	
Locked rotor test		109,5 D	50	61,2	3,78		0	0,33	
Thermal test (100% load)	391,9	400,0 D	50	62,6	33,4	30,0	729	0,77	89,7
Partial load points:									
~75% load	293,8	400,1 D	50	50,0	24,8	22,5	735	0,72	90,7
~50% load	195,6	400,0 D	50	39,3	16,5	15,0	740	0,61	90,7
~25% load	98,1	400,1 D	50	31,4	8,60	7,50	745	0,40	87,2
Temperature rise at rated load.			°C	K	Method		Measurement method		
Stator winding :			79,3	1			1 Resistance		
Frame :			46,6	2			2 Thermometer		
Bearing D-end :			53,4	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		12.3.2012				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

Computer print-out valid without signature.

ABB, Motors and Generators
www.abb.com/motors&generators