



Test Report				Date of issue: 4.6.2014				
				Serial No.: 3GF11094426				
				Type: M3KP 250SMC 2 IMB3/IM1001				
				Product Code: 3GKP251230-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	90	2965	89	0,9	S1	
Insul.cl.F	400	D 50	90	2965	153	0,9	S1	
IP55	415	D 50	90	2968	149	0,89	S1	
Eff class IE1		50Hz : IE1 - 94,0(100%) - 94,2(75%) - 93.7(50%)						
Resistance			Ambient: 21,0 °C		Insulation resistance at 40,5 °C		Overload	
Line			5000 MΩ		1000 V		Torque 160 % 15s	
U ₁ - V ₁			0,03072 Ω					
U ₁ - W ₁			0,03076 Ω					
V ₁ - W ₁			0,03075 Ω					
				High-voltage test winding		2900 V 1 s		
Test	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	32,8	2,09		2998	0,09	
Locked rotor test	77,0	D 50	153,1	6,15		0	0,30	
Thermal test (100% load)	400,1	D 50	154,2	95,5	90,0	2967	0,89	94,3
Partial load points:								
~75% load	400,3	D 50	117,0	71,5	67,5	2977	0,88	94,4
~50% load	400,0	D 50	82,4	48,0	45,0	2985	0,84	93,8
~25% load	400,2	D 50	51,7	24,9	22,5	2993	0,70	90,5
Temperature rise at rated load.			[°C]	[K]	Method	Measurement method		
Stator winding :			68,9	1	1	1 Resistance		
Frame :			34,5	2	2	2 Thermometer		
Bearing D-end :			53,0	2	2	3 Thermocouples		
Ambient Temperature :			25,0	2				
Vibration:		↓	→					
D-end		0,40	0,35					
N-end		0,60	0,60					
Axial		0,28						
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		20.1.2012			
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		
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