



Test Report				Date of issue: 4.6.2014					
				Serial No.: 3GF11094412					
				Order No.: 599608-13					
				Type: M3KP 250SMC 4 IMB3/IM1001					
				Product Code: 3GKP252230-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	86	1477	90	0,85	S1		
Insul.cl.F	400	D 50	86	1477	155	0,85	S1		
IP55	415	D 50	86	1479	152	0,83	S1		
Eff class IE1		50Hz : IE1 - 94,1(100%) - 94,4(75%) - 94,0(50%)							
Resistance			Ambient: 19,0 °C		Insulation resistance at 39,0 °C		Overload		
Line			5000 MΩ		1000 V		Torque 160 % 15s		
U <sub>1</sub> - V <sub>1</sub>			0,03639 Ω						
U <sub>1</sub> - W <sub>1</sub>			0,03641 Ω						
V <sub>1</sub> - W <sub>1</sub>			0,03640 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]	η[r/min]	cos φ	η [%]
No load test		400,0 D	50	57,3	1,54		1500	0,04	
Locked rotor test		71,3 D	50	155,0	6,66		0	0,35	
Thermal test ( 100% load )	556,1	400,2 D	50	155,0	90,7	86,0	1481	0,85	94,8
Partial load points:									
~75% load	417,0	400,1 D	50	121,6	67,8	64,5	1486	0,81	95,1
~50% load	278,5	400,0 D	50	91,6	45,4	43,0	1491	0,72	94,8
~25% load	139,2	400,1 D	50	67,7	23,3	21,5	1496	0,50	92,4
Temperature rise at rated load.			°C	K	Method		Measurement method		
Stator winding :			62,2	1	1 Resistance		1 Resistance		
Frame :			27,8	2	2 Thermometer		2 Thermometer		
Bearing D-end :			53,1	2	3 Thermocouples		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		28.12.2011				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

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