



Test Report				Date of issue: 4.6.2014					
				Serial No.: 3GF11094422					
				Type: M3KP 250SMB 6 IMB3/IM1001					
				Product Code: 3GKP253220-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	45	986	49,3	0,82	S1		
Insul.cl.F	400	D 50	45	986	85	0,82	S1		
IP55	415	D 50	45	987	82,9	0,81	S1		
Eff class IE2		50Hz : IE2 - 93.1(100%) - 93.3(75%) - 92,6(50%)							
Resistance			Ambient: 12,0 °C		Insulation resistance at 37,5 °C		Overload		
Line	U <sub>1</sub> - V <sub>1</sub>		0,00883 Ω		3800 MΩ		Torque 160 % 15s		
	U <sub>1</sub> - W <sub>1</sub>		0,00883 Ω		1000 V				
	V <sub>1</sub> - W <sub>1</sub>		0,00883 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		400,0 D	50	28,8	1,02		1000	0,05	
Locked rotor test		83,0 D	50	85,0	4,58		0	0,37	
Thermal test ( 100% load )	435,9	400,1 D	50	83,9	48,5	45,0	987	0,84	92,7
Partial load points:									
~75% load	326,8	400,1 D	50	65,1	36,2	33,8	990	0,80	93,1
~50% load	218,1	400,1 D	50	48,3	24,2	22,5	994	0,72	92,9
~25% load	108,4	400,1 D	50	34,9	12,6	11,3	996	0,52	89,6
Temperature rise at rated load.			°C	K	Method		Measurement method		
Stator winding :			56,1	1	1 Resistance		1 Resistance		
Frame :			32,2	2	2 Thermometer		2 Thermometer		
Bearing D-end :			44,1	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		4.2.2012				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

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