



Test Report				Date of issue: 4.6.2014					
				Serial No.: 3GF11071613					
				Type: M3KP 280SMA 8 IMB3/IM1001					
				Product Code: 3GKP284210-ADG					
				Protection type: Ex de IIB T4 Gb					
				Cert. No.: LCIE 11 ATEX 3089X / IECEX LCI 04.0006X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor	690	Y 50	37	741	42,8	0,78	S1		
Insul.cl.F	400	D 50	37	741	74	0,78	S1		
IP65	415	D 50	37	741	74	0,76	S1		
Ambient temp. -20°C...+40°C									
Resistance				Insulation resistance at 55,5 °C			Overload		
Line	Ambient: 23,0 °C			23000 MΩ 1000 V		Torque 160 % 15s			
U <sub>1</sub> - V <sub>1</sub>	0,11086 Ω								
U <sub>1</sub> - W <sub>1</sub>	0,11087 Ω								
V <sub>1</sub> - W <sub>1</sub>	0,11095 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	30,4	1,04		750	0,05	
Locked rotor test		95,9 D	50	74,0	2,86		0	0,23	
Thermal test (100% load)	476,9	400,1 D	50	73,0	39,8	37,0	742	0,79	93,0
Partial load points:									
~75% load	358,3	400,1 D	50	58,3	29,8	27,8	743	0,74	93,2
~50% load	237,6	400,1 D	50	45,4	20,0	18,5	746	0,64	92,6
~25% load	119,1	400,1 D	50	35,4	10,4	9,3	747	0,42	88,8
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				53,9	1	1 Resistance			
Frame :				22,2	2	2 Thermometer			
Bearing D-end :				34,1	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		30.5.2011				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

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