



Test Report				Date of issue: 4.6.2014							
				Serial No.: 3GF10030944							
				Type: M3KP 280SMB 6 IMB3/IM1001							
				Product Code: 3GKP283220-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				400	D	50	55	990	100	0,84	S1
Insul.cl.F				415	D	50	55	991	98,2	0,83	S1
IP55				690	Y	50	55	990	58	0,84	S1
400 V 50Hz : IE2 - 93.8(100%) - 94.0(75%) - 93.3(50%)											
Resistance Line				Ambient: 24,5 °C				Insulation resistance at 64,0 °C		Overload	
U <sub>1</sub> - V <sub>1</sub>				0,06082 Ω				22000 MΩ		1000 V	
U <sub>1</sub> - W <sub>1</sub>				0,06078 Ω						Torque 160 % 15s	
V <sub>1</sub> - W <sub>1</sub>				0,06075 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		400,1 D	50	31,1	1,21		1000	0,06			
Locked rotor test		85,3 D	50	100,9	4,60		0	0,31			
Thermal test (100% load)	530,6	400,1 D	50	100,9	58,8	55,0	989	0,84	93,6		
Partial load points:											
~75% load	398,5	400,2 D	50	77,8	43,9	41,3	993	0,81	94,1		
~50% load	264,8	400,1 D	50	57,0	29,3	27,5	995	0,74	93,8		
~25% load	131,1	400,0 D	50	40,2	15,1	13,8	998	0,54	90,9		
Temperature rise at rated load.				[°C]		[K]		Method		Measurement method	
Stator winding :				59,4		1				1 Resistance	
Frame :				38,3		2				2 Thermometer	
Bearing D-end :				45,1		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			18.8.2010					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland								Telephone		+358 10 2211	
								Telefax		+358 10 22 47372	

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