



Test Report				Date of issue: 10.6.2014							
				Serial No.: 0910-010592792							
				Type: M3GP 280SMA 2 B3							
				Product Code: 3GGP281210-G							
				Protection type: Ex nA IIC T3 Gc							
				Cert. No.: LCIE 12 ATEX 1008X IECEX LCI 07.0001X							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				690	Y 50	75	2978	76	0,88	S1	
Insul.cl.F				400	D 50	75	2978	131	0,88	S1	
IP55				415	D 50	75	2980	127	0,87	S1	
Resistance				Ambient: 22,0 °C				Insulation resistance at 44,0 °C		Overload	
Line				U ₁ - V ₁ 0,03113 Ω				12000 MΩ 1000 V		Torque 160 % 15s	
				U ₁ - W ₁ 0,03113 Ω							
				V ₁ - W ₁ 0,03110 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	37,9	2,77		3000	0,11			
Locked rotor test		64,1 D	50	131,1	4,09		0	0,28			
Thermal test (100% load)	240,5	400,1 D	50	131,8	79,7	75,0	2977	0,87	94,1		
Partial load points:											
~75% load	180,9	400,1 D	50	102,1	60,1	56,3	2983	0,85	93,6		
~50% load	120,3	400,0 D	50	74,8	40,8	37,5	2987	0,79	92,0		
~25% load	60,8	400,0 D	50	51,4	21,7	18,8	2991	0,61	86,5		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				55,7	1			1 Resistance			
Frame :				25,6	2			2 Thermometer			
Bearing D-end :				37,5	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		12.5.2009						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland								Telephone		+358 10 2211	
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