



Test Report				Date of issue: 10.6.2014							
				Serial No.: 3GF11068912							
				Type: M3GP 280SMA 4 IMV1/IM3011							
				Product Code: 3GGP282210-BDG							
				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				380	D 50	75	1482	140	0,86	S1	
Insul.cl.F				400	D 50	75	1484	135	0,85	S1	
IP55				415	D 50	75	1485	134	0,83	S1	
Ambient temp. -20°C...+45°C											
Resistance				Ambient: 25,0 °C				Insulation resistance at 60,0 °C		Overload	
Line								7000 MΩ 1000 V		Torque 160 % 15s	
U ₁ - V ₁				0,04282 Ω							
U ₁ - W ₁				0,04289 Ω							
V ₁ - W ₁				0,04280 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	45,0	1,50		1500	0,05			
Locked rotor test		75,0 D	50	135,0	5,98		0	0,34			
Thermal test (100% load)	482,6	400,2 D	50	134,8	79,3	75,0	1485	0,85	94,6		
Partial load points:											
~75% load	361,0	400,0 D	50	105,0	59,3	56,3	1488	0,82	94,8		
~50% load	239,4	400,0 D	50	78,0	39,7	37,5	1493	0,73	94,5		
~25% load	119,7	400,0 D	50	56,4	20,5	18,8	1496	0,52	91,7		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :					59,3	1		1 Resistance			
Frame :					33,1	2		2 Thermometer			
Bearing D-end :					33,4	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		12.5.2011						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland								Telephone		+358 10 2211	
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