



Test Report				Date of issue: 10.6.2014					
				Serial No.: 0909-010591682					
				Type: M3GP 280SMB 4 B3					
				Product Code: 3GGP282220-ADG					
				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	90	1483	92	0,86	S1		
Insul.cl.F	400	D 50	90	1483	159	0,86	S1		
IP55	415	D 50	90	1485	155	0,85	S1		
Resistance				Insulation resistance at 58,5 °C			Overload		
Line		Ambient: 21,0 °C		13000 MΩ 1000 V		Torque 160 % 15s			
U ₁ - V ₁		0,03457 Ω							
U ₁ - W ₁		0,03458 Ω							
V ₁ - W ₁		0,03454 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	51,2	1,82		1500	0,05	
Locked rotor test		74,0 D	50	159,1	7,08		0	0,35	
Thermal test (100% load)	579,6	400,0 D	50	161,1	94,8	90,0	1484	0,85	95,0
Partial load points:									
~75% load	435,3	400,0 D	50	125,0	71,1	67,5	1485	0,82	94,9
~50% load	291,3	400,1 D	50	91,8	47,5	45,0	1493	0,75	94,7
~25% load	143,5	400,2 D	50	65,0	24,5	22,5	1496	0,54	91,8
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				61,4	1			1 Resistance	
Frame :				26,3	2			2 Thermometer	
Bearing D-end :				47,0	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		24.4.2009				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372	

Computer print-out valid without signature.