



Test Report				Date of issue: 10.6.2014							
				Serial No.: 3GF10030944							
				Type: M3GP 280SMB 6 IMB3/IM1001							
				Product Code: 3GGP283220-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				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 ₁ - V ₁				0,06082 Ω				22000 MΩ		1000 V	
U ₁ - W ₁				0,06078 Ω						Torque 160 % 15s	
V ₁ - W ₁				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	

Computer print-out valid without signature.