



Test Report					Date of issue: 11.6.2014						
					Serial No.: 3GF11054637						
					Type: M3GP 355SMB 4 IMB3/IM1001 Product Code: 3GGP352220-ADG Protection type: Ex nA IIC T3 Gc Cert. No.: LCIE 12 ATEX 1008X IECEX LCI 07.0001X						
Rating:											
3~Motor Insul.cl.F IP55 Ambient temp. +5°C...+40°C					V	Hz	kW	r/min	A	cos φ	Duty
					400	D 50	315	1488	551	0,86	S1
Resistance					Insulation resistance at 55,5 °C					Overload	
Line Ambient: 21,5 °C					12000 MΩ 1000 V					Torque 160 % 15s	
U ₁ - V ₁ 0,00448 Ω U ₁ - W ₁ 0,00448 Ω V ₁ - W ₁ 0,00449 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	162,8	4,51		1500	0,04			
Locked rotor test		72,1 D	50	550,2	19,6		0	0,28			
Thermal test (100% load)	2022,0	400,2 D	50	551,5	327,8	315,0	1488	0,86	96,1		
Partial load points:											
~75% load	1519,8	400,2 D	50	424,7	245,4	236,3	1491	0,83	96,3		
~50% load	1020,7	400,1 D	50	309,0	164,0	157,5	1495	0,77	96,0		
~25% load	499,0	400,2 D	50	212,2	83,8	78,8	1497	0,57	94,0		
Temperature rise at rated load.					°C	K	Method	Measurement method			
Stator winding :					70,5	1	1 Resistance				
Frame :					25,6	2	2 Thermometer				
Bearing D-end :					50,1	2	3 Thermocouples				
Rotor:					113,6	3					
Ambient Temperature :					25,0	2					
Starting current (I _S / I _N) : 7,25 Locked rotor torque (T _I / T _N) : 2,25											
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 3.3.2011											
Tested by ABB Oy, Motors and Generators, Vaasa, Finland Telephone +358 10 2211 Telefax +358 10 22 47372											

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