



Test Report				Date of issue: 6.6.2014						
				Serial No.: 3GF11054637						
				Type: M3GP 355SMB 4 IMB3/IM1001						
				Product Code: 3GGP352220-ADG						
				Protection type: Ex d IIB T4 Gb						
				Cert. No.: LCIE 10 ATEX 3089X / IECEx LCI 04.0008X						
Rating:				V	Hz	kW	r/min	A	cos φ	Duty
3~Motor Insul.cl.F IP55 Ambient temp. +5°C...+40°C				400	D 50	315	1488	551	0,86	S1
Resistance				Insulation resistance at 55,5 °C					Overload	
Line				12000 MΩ 1000 V					Torque 160 % 15s	
U <sub>1</sub> - V <sub>1</sub>				Ambient: 21,5 °C						
U <sub>1</sub> - W <sub>1</sub>				0,00448 Ω						
V <sub>1</sub> - W <sub>1</sub>				0,00448 Ω						
				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					
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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