



Test Report				Date of issue: 10.6.2014							
				Serial No.: 0845-010576755							
				Type: M3GP 315SMB 2 B3							
				Product Code: 3GGP311220-RDG							
				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	132	2982	132	0,88	S1	
Insul.cl.F				400	D 50	132	2982	225	0,88	S1	
IP55				415	D 50	132	2983	222	0,87	S1	
Resistance				Ambient: 21,5 °C				Insulation resistance at 48,0 °C		Overload	
Line								4300 MΩ 1000 V		Torque 160 % 15s	
U <sub>1</sub> - V <sub>1</sub>				0,01364 Ω							
U <sub>1</sub> - W <sub>1</sub>				0,01364 Ω							
V <sub>1</sub> - W <sub>1</sub>				0,01372 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		399,9 D	50	65,2	3,89		3000	0,09			
Locked rotor test		62,5 D	50	227,9	6,57		0	0,27			
Thermal test (100% load)	422,7	400,2 D	50	233,8	139,1	132,0	2984	0,86	94,9		
Partial load points:											
~75% load	324,5	400,1 D	50	180,8	104,7	99,0	2988	0,84	94,6		
~50% load	215,5	400,1 D	50	131,7	70,7	66,0	2993	0,78	93,3		
~25% load	109,5	400,0 D	50	89,9	37,1	33,0	2996	0,60	88,9		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :					63,0	1		1 Resistance			
Frame :					31,6	2		2 Thermometer			
Bearing D-end :					40,4	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		17.12.2008						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland								Telephone +358 10 2211		Telefax +358 10 22 47372	

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