



<b>Type Test Report</b>				Date of issue: 2013.03.12															
Customer:				Serial No.: 3GH073207T3704															
Customer ref.:				Type: M3GP71MB 4 Product Code: 3GGP072322-_SB Protection Type: Ex nA IIC T3 Cert. No.: VTT 12 ATEX 050X / IECEx VTT 12.0010X															
Rating:		V		Hz		kW		r/min		A		cos φ		Duty					
3-Motor		230		D 50		0,37		1380		1,52		0,83		S1					
Insul.cl.F		400		Y 50		0,37		1380		0,88		0,83		S1					
IP55																			
Resistance				Insulation resistance at 30 °C				Overload											
Line Ambient: 25,0 °C				R > 2000 Mohm 1000 V				Current 150 % 120s											
U <sub>1</sub> - V <sub>1</sub> 57,66000 Ω								Torque 160 % 15s											
U <sub>1</sub> - W <sub>1</sub> 56,96000 Ω								Speed 120 % 120s											
V <sub>1</sub> - W <sub>1</sub> 57,50000 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]		η[r/min]		cos φ		η [%]	
No load test				400 Y		50		0,56		0,05				1500		0,13			
Locked rotor test				106,4 Y		50		0,90		0,12				0		0,72			
Thermal test ( 100% load )		2,6		400 Y		50		0,87		0,52		0,37		1377		0,86		70,90	
Partial load points:																			
~75% load		1,9		400 Y		50		0,70		0,38		0,28		1414		0,78		73,20	
~50% load		1,2		400 Y		50		0,54		0,25		0,19		1446		0,66		73,40	
~25% load		0,6		400 Y		50		0,43		0,14		0,09		1473		0,46		66,60	
Temperature rise at rated load.				[°C]		[K]		Method		Measurement method									
Stator winding :				44,7		3		1 Resistance											
Frame :				14		3		2 Thermometer											
Bearing D-end :				22		3		3 Thermocouples											
Ambient Temperature :				25		3													
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				28.8.2007											
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain												Telephone +34 93 728 85 00		Telefax +34 93 728 85 33					

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