



Type Test Report				Date of issue: 2013.01.10							
Customer:				Serial No.: 3GE120838T0003							
Customer ref.:				Type: M3GP 080 MD 4 Product Code: 3GGP082444-_HB Protection type: Ex nA IIC T3 Gc Cert. No.: VTT 12 ATEX 050 X / IECEx VTT 12.0010 X							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor Insul.cl.F IP55 Eff class IE2				415	D 50	0,75	1435	1,80	0,7	S1	
50Hz : IE2 - 80,8(100%) - 80,5(75%) - 77,4(50%)											
Resistance Line				Ambient: 14,0 °C				Insulation resistance at 22,5 °C		Overload	
U ₁ - V ₁				12,91000 Ω				R > 2000 Mohm 1000 V		Current 150 % 120s	
U ₁ - W ₁				12,95000 Ω						Torque 160 % 15s	
V ₁ - W ₁				12,92000 Ω						Speed 120 % 120s	
				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		415 D	50	1,28	0,09		1500	0,10			
Locked rotor test		73,8 D	50	1,80	0,15		0	0,64			
Thermal test (100% load)	5,0	415 D	50	1,84	0,93	0,75	1437	0,70	80,80		
Partial load points:											
~75% load	3,7	415 D	50	1,59	0,70	0,56	1454	0,61	80,50		
~50% load	2,4	415 D	50	1,42	0,48	0,38	1470	0,47	77,40		
~25% load	1,2	415 D	50	1,34	0,28	0,19	1485	0,29	66,00		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				22,5	3	3		1 Resistance			
Frame :				37,1	3	3		2 Thermometer			
Bearing D-end :				32,0	3	3		3 Thermocouples			
Ambient Temperature :				25	3	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				7.3.2012			
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain							Telephone		+34 93 728 85 00		
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