



Type Test Report				Date of issue: 2014.01.13							
Customer:				Serial No.: 3GH072608T7502							
Customer ref.:				Type: M3GP 80MB 2 Product Code: 3GGP081441-_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 IE3				415	D 50	0,75	2905	1,82	0,7	S1	
50Hz : IE3 - 81,3(100%) - 80,1(75%) - 75,9(50%)											
Resistance Line				Ambient: 26,0 °C				Insulation resistance at 30 °C		Overload	
U ₁ - V ₁				13,31000 Ω				R > 2000 Mohm 1000 V		Current 150 % 120s	
U ₁ - W ₁				13,31000 Ω						Torque 160 % 15s	
V ₁ - W ₁				13,32000 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	1,39	0,10		3000	0,10			
Locked rotor test		79,1 D	50	2,4	0,24		0	0,73			
Thermal test (100% load)	2,5	415 D	50	1,82	0,92	0,75	2903	0,70	81,30		
Partial load points:											
~75% load	1,8	415 D	50	1,59	0,70	0,56	2929	0,61	80,10		
~50% load	1,2	415 D	50	1,45	0,49	0,38	2955	0,47	75,90		
~25% load	0,6	415 D	50	1,43	0,30	0,19	2981	0,29	62,20		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				31,0	3	3		1 Resistance			
Frame :				10	3	3		2 Thermometer			
Bearing D-end :				1	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				17.7.2007			
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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