



Type Test Report				Date of issue: 2013.12.20							
Customer:				Serial No.: 3GE120333T0003							
Customer ref.:				Type: M3GP 132 SMB 6 Product Code: 3GGP133441-_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	3,00	975	6,90	0,71	S1	
50Hz : IE2 - 84,1(100%) - 83,7(75%) - 81,2(50%)											
Resistance Line				Ambient: 14,7 °C				Insulation resistance at 25 °C		Overload	
U ₁ - V ₁				2,08800 Ω				R > 2000 Mohm		1000 V	
U ₁ - W ₁				2,08100 Ω						Current 150 % 120s	
V ₁ - W ₁				2,08300 Ω						Torque 160 % 15s	
								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	4,3	0,28		1000	0,09		
Locked rotor test			89,2 D	50	6,9	0,46		0	0,43		
Thermal test (100% load)		29,4	415 D	50	6,9	3,57	3,00	973	0,71	84,10	
Partial load points:											
~75% load		21,9	415 D	50	5,9	2,69	2,25	981	0,63	83,70	
~50% load		14,5	415 D	50	5,1	1,85	1,50	987	0,50	81,20	
~25% load		7,2	415 D	50	4,5	1,04	0,75	994	0,32	71,80	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				42,0	3			1 Resistance			
Frame :				11,5	3			2 Thermometer			
Bearing D-end :				22,6	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				9.2.2012			
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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