



Type Test Report				Date of issue: 2013.12.19							
Customer:				Serial No.: 3GE120833T0001							
Customer ref.:				Type: M3GP 132 SMF 6 Product Code: 3GGP133444-_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 IE1				415	D 50	5,50	965	12,40	0,72	S1	
50Hz : IE1 - 85,6(100%) - 86,5(75%) - 85,5(50%)											
Resistance Line				Ambient: 15,2 °C				Insulation resistance at 25 °C		Overload	
U <sub>1</sub> - V <sub>1</sub>				1,24900 Ω				R > 2000 Mohm		1000 V	
U <sub>1</sub> - W <sub>1</sub>				1,23700 Ω						Current 150 % 120s	
V <sub>1</sub> - W <sub>1</sub>				1,23700 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	7,6	0,34		1000	0,06		
Locked rotor test			109,5 D	50	13,2	1,11		0	0,44		
Thermal test ( 100% load )		54,5	415 D	50	12,4	6,43	5,50	964	0,72	85,60	
Partial load points:											
~75% load		40,4	415 D	50	10,3	4,77	4,13	974	0,64	86,50	
~50% load		26,7	415 D	50	8,7	3,22	2,75	983	0,51	85,50	
~25% load		13,2	415 D	50	7,5	1,74	1,38	992	0,32	79,00	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				68,1	3			1 Resistance			
Frame :				23,5	3			2 Thermometer			
Bearing D-end :				34,7	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			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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