



Type Test Report				Date of issue: 2014.01.13							
Customer:				Serial No.: 3GE120339T0001							
Customer ref.:				Type: M3GP 90 SLE 6 Product Code: 3GGP093444-_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	1,10	945	2,70	0,69	S1	
50Hz : IE2 - 80,1(100%) - 80,4(75%) - 78(50%)											
Resistance Line				Ambient: 16,5 °C				Insulation resistance at 25 °C		Overload	
U ₁ - V ₁				10,31000 Ω				R > 2000 Mohm 1000 V		Current 150 % 120s	
U ₁ - W ₁				10,32000 Ω						Torque 160 % 15s	
V ₁ - W ₁				10,31000 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	1,92	0,12		1000	0,09			
Locked rotor test		119,9 D	50	3,0	0,36		0	0,58			
Thermal test (100% load)	11,1	415 D	50	2,7	1,37	1,10	944	0,69	80,10		
Partial load points:											
~75% load	8,2	415 D	50	2,4	1,03	0,83	960	0,59	80,40		
~50% load	5,4	415 D	50	2,1	0,71	0,55	974	0,46	78,00		
~25% load	2,7	415 D	50	2,0	0,41	0,28	987	0,29	67,70		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				42,6	3			1 Resistance			
Frame :				21,9	3			2 Thermometer			
Bearing D-end :				22,4	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				5.3.2012			
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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