



Type Test Report				Date of issue: 2014.01.13							
Customer:				Serial No.: 3GH093909T7506							
Customer ref.:				Type: M3GP 90SLC 6 Product Code: 3GGP093443-_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	960	2,40	0,56	S1	
50Hz : IE2 - 76,4(100%) - 74,0(75%) - 68,2(50%)											
Resistance Line				Ambient: 18,0 °C				Insulation resistance at 24 °C		Overload	
U <sub>1</sub> - V <sub>1</sub>				12,62000 Ω				R > 2000 Mohm		Current 150 % 120s	
U <sub>1</sub> - W <sub>1</sub>				12,64000 Ω				1000 V		Torque 160 % 15s	
V <sub>1</sub> - W <sub>1</sub>				12,65000 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	2,0	0,15		1000	0,10			
Locked rotor test		95,9 D	50	2,3	0,23		0	0,60			
Thermal test ( 100% load )	7,5	415 D	50	2,4	0,98	0,75	960	0,56	76,40		
Partial load points:											
~75% load	5,5	415 D	50	2,2	0,76	0,56	971	0,47	74,00		
~50% load	3,7	415 D	50	2,1	0,55	0,38	981	0,36	68,20		
~25% load	1,8	415 D	50	2,0	0,36	0,19	990	0,24	52,80		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				32,2	3	3		1 Resistance			
Frame :				18,2	3	3		2 Thermometer			
Bearing D-end :				19,5	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				15.10.2009			
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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