



Type Test Report				Date of issue: 2016.08.18							
Customer:				Serial No.: 3GH093909T7506							
Customer ref.:				Type: M3GP 90SLC 6 Product Code: 3GGP093323-DB Protection Type: Ex nA IIC T3 Cert. No.: VTT 12 ATEX 050X / IECEX VTT 12.0010X							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor				400	Y 50	0,75	960	2,30	0,58	S1	
Insul.cl.F				230	D 50	0,75	960	4,10	0,58	S1	
IP55				460	Y 60	0,75	1160	2,10	0,54	S1	
Eff class IE2				50Hz : IE2 - 76,3%(100%) - 74,7%(75%) - 69,5%(50%) 60Hz : IE2 - 80,4%(100%)							
Resistance				Insulation resistance at 20,8 °C				Overload			
Line				R > 2000 Mohm 1000 V				Current 150 % 120s Torque 160 % 15s Speed 120 % 120s			
U <sub>1</sub> - V <sub>1</sub>				Ambient: 18,4 °C				High-voltage test winding 2400 V 60 s			
U <sub>1</sub> - W <sub>1</sub>				12,62000 Ω							
V <sub>1</sub> - W <sub>1</sub>				12,64000 Ω							
				12,65000 Ω							
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		400 Y	50	1,91	0,13		1000	0,10			
Locked rotor test		95,9 Y	50	2,3	0,23		0	0,60			
Thermal test ( 100% load )	7,5	400 Y	50	2,3	0,97	0,75	956	0,59	77,60		
Partial load points:											
~75% load	5,5	400 Y	50	2,1	0,74	0,56	968	0,50	76,10		
~50% load	3,7	400 Y	50	2,0	0,53	0,38	979	0,38	71,10		
~25% load	1,8	400 Y	50	1,90	0,33	0,19	989	0,25	57,20		
Temperature rise at rated load.				°C	[K]	Method		Measurement method			
Stator winding :				31,6	3			1 Resistance			
Frame :				17,2	3			2 Thermometer			
Bearing D-end :				20,1	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			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				

Computer print-out valid without signature.