



Test Report					Date of issue:							
Customer:					Serial no:							
					Order no:							
Customer ref.:					Type: M3BP 80MLG 8							
					Product Code: 3GBP084470-_SL							
					Tag no:							
Rating:												
3~Motor Insul.cl.F IP55 Eff class IE3					V	Hz	kW	r/min	A	cos φ	Duty	
					400	Y	50	0,25	692	0,90	0,62	S1
					IE3-64.1%(100%)-64.3%(75%)-61.7%(50%)							
Resistance Line U ₁ - V ₁ U ₁ - W ₁ V ₁ - W ₁					Ambient: 11 °C		Insulation resistance at 46 °C			Overload		
					46,6500 Ω		11000 MΩ 1000 V			Torque 160% 15s		
					46,7600 Ω							
					46,5800 Ω		High-voltage test winding 2900 V			1 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		400,4 Y	50	0,60	0,04		748	0,10				
Locked rotor test		211,7 Y	50	0,91	0,13		0	0,38				
Thermal test (100% load)	3,6	400,4 Y	50	0,92	0,37	0,25	674	0,58	68,0			
Partial load points:												
~75% load	2,7	399,9 Y	50	0,78	0,27	0,19	701	0,50	70,0			
~50% load	1,8	400,9 Y	50	0,68	0,18	0,12	720	0,39	68,0			
~25% load	0,9	400,8 Y	50	0,62	0,11	0,06	736	0,25	56,9			
Temperature rise at rated load.					[°C]	[K]	Method	Measurement method				
Stator winding :					23	1	1 Resistance					
Frame :					19	2	2 Thermometer					
Bearing D-end :					19	2	3 Thermocouples					
Rotor:					27	3						
Ambient Temperature :					25	2						
These tests have been carried out, date 16.12.2013, the test G, on motor no 3GF13172459, which is identical in design with the above.												
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 16.12.2013												
Tested by ABB BU, Motors and Generators, Sant Quirze del Valles, Spain												
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