



Test Report		Cert. No. ATEX Cert.No. LCIE 06 ATEX 6047							
Customer:		Date of Issue							
Customer ref.:		Type: M3HP 90SLA 8 Protection type: Ex e II T3 Serial no.: Tag no.: Order no.:							
Rating: 3-Motor		Product Code 3GHJP094010-SG							
Insul.cl. F S1 IP 55 41 kg	V	Hz	kW	r/min	A	cos φ	I _A /I _N	t _E [s]	
	400 Y	50	0.37	696	1.34	0.63	3.0	20	
	230 D	50	0.37	696	2.32	0.63	3.0	20	
Resistance		Insulation resistance		Overload test					
U ₁ -V ₁ 39,57 Ω 22 °C		11000 MΩ 1000 V		1,6 x T _N 15 s					
U ₁ -W ₁ 39,51 "		41,5 °C							
V ₁ -W ₁ 39,46 "		High-voltage test							
		2900 V 1 s							
Test		Line U[V]	f[Hz]	Input I[A]	P ₁ [kW]	Output P ₂ [kW]	n[r/min]	cos φ	η [%]
No-load test		400,1 Y	50	1,11	0,115			0,1491	
Locked-rotor test		148,3 Y	50	1,34	0,228			0,6620	
Temperature-rise test		400,3 Y	50	1,33	0,560	0,37	692	0,61	65,5
Temperature rise at amb.temp. 25 °C		Temperature rise at amb. temp. 25 °C		Measurement method					
[K] Method		[K] Method		1 Resistance					
Stator winding 34,9 1		Frame 24,2 3		2 Embedded temp. detector					
		Bearing D-end 21,3 3		3 Thermometer					
		Rotor 40,0 3							
<p>These tests have been carried out on motor no. 3GF10025661B, 2010-05-24 which is identical in design with the above.</p> <p>Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.</p>									
On behalf of customer									
On behalf of manufacturer									
Tested by ABB Oy Motors/Vaasa									