




Test Report				Cert. No. ATEX Cert. No. LCIE 09 ATEX 1010 IECEX Cert. No. IECEX LCI 09.0012							
Customer:				Date of Issue							
Customer ref.:				Type: M3GP 180MLA 2 Protection type: Ex nA II T3							
Rating: 3~Motor				Product Code 3GGP 181 410 - _DH							
		V	Hz	kW	r/min	A	cos φ	I _A /I _N	T _E [s]		
Insul.cl. F		690 Y	50	22	2938	22,3	0,90				
S1		400 D	50	22	2938	38,4	0,90				
IP 55		660 Y	50	22	2928	23,5	0,90				
259 kg		380 D	50	22	2928	40,8	0,90				
		415 D	50	22	2944	37,3	0,89				
		440 D	60	25	3526	39,8	0,90				
Resistance			Insulation resistance			Overload test					
U ₁ -V ₁ 0,2472 Ω			20000 MΩ			1,6 x T _N 15 s					
U ₁ -W ₁ 0,2471 "			23 °C								
V ₁ -W ₁ 0,2475 "			High-voltage test								
			2400 V 60 s								
Test		Line U[V]		f[Hz]	Input I[A]		P ₁ [kW]	Output P ₂ [kW]	η[r/min]	cos φ	η [%]
No-load test		400,0 D		50	10,1		0,706			0,1008	
Locked-rotor test		74,3 D		50	39,5		2,11			0,4158	
Temperature-rise test		400,0 D		50	39,1		24,09	22,0	2941	0,89	91,3
Temperature rise at amb.temp. 25 °C			Temperature rise at amb. temp. 25 °C			Measurement method					
[K] Method			[K] Method			1 Resistance					
Stator winding 73,1 1			Frame 28,8 3			2 Embedded temperature detector					
			Bearing D-end 34,5 3			3 Thermometer					
			Rotor 98,4 3								
<p>These tests have been carried out on motor no. 0801-010228065CC, 2008-08-06 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											