



<b>Type Test Report</b>						Cert. No. LCIE 09 ATEX 1010 IECEX LCI 09.0012											
Customer:						Date of Issue											
Customer ref.:						Type: M3GP 180MLC 2 Protection Ex nA II T3 type: Serial no.: Tag no.: Order no.:											
Rating: 3-Motor						Product Code 3GGP181430-_DH											
						V	Hz	kW	r/min	A	cos φ						
Insul.cl. F						690 Y	50	37	2947	37,1	0,90						
S1						<b>400 D</b>	<b>50</b>	<b>37</b>	<b>2947</b>	<b>63,9</b>	<b>0,90</b>						
IP 55						660 Y	50	37	2940	39	0,90						
292 kg						380 D	50	37	2940	67,6	0,90						
						415 D	50	37	2952	63	0,88						
						440 D	60	43	3538	67,6	0,90						
Resistance				Insulation resistance				Overload test 1,6 x T <sub>N</sub> 15 s									
U <sub>1</sub> -V <sub>1</sub> 0,1076 Ω				1900 MΩ 1000 V													
U <sub>1</sub> -W <sub>1</sub> 0,1079 "				51,5°C													
V <sub>1</sub> -W <sub>1</sub> 0,1079 "				High-voltage test													
				2400 V 60 s													
Test		Line U[V]		f[Hz]		Input I[A]		P <sub>1</sub> [kW]		Output P <sub>2</sub> [kW]		n[r/min]		cos φ		η [%]	
No-load test		400,0 D		50		19,6		1,21						0,0891			
Locked-rotor test		62,8 D		50		63,9		2,96						0,426			
Temperature-rise test		400,1 D		50		65,1		40,06		37,0		2950		0,89		92,4	
Temperature rise at amb.temp. 25,0°C				Temperature rise at amb. temp. 25,0°C				Measurement method									
[K] Method				[K] Method				1 Resistance									
Stator winding 69,1 1				Frame 22,8 3				2 Embedded temperature detector									
				Bearing D-end 32,8 3				3 Thermometer									
<p>These tests have been carried out on motor no. 3GF11076111E, on date 2011-07-28, 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																	
ABB Oy, Motors and Generators, Vaasa, Finland																	