SPECIFICATION SHEET

ARC

8kW Power Output

Micro Turbogenerator

April 19, 2024

DIMENSIONS (mm)

270
168
510

Fuel Ports

Electric Terminals (+/-)
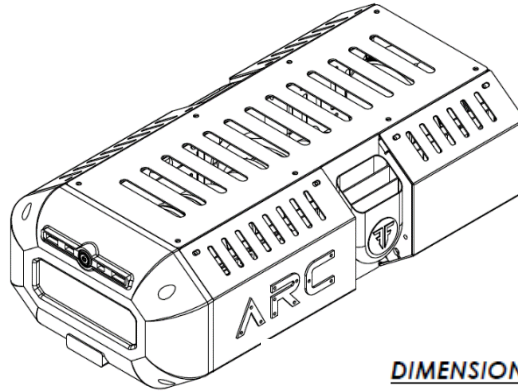
SPECIFICATIONS

FEATURES
Brushless Starter / Brushless Alternator
Ready-to-use out of the Box
Full Auto: Start / Restart / Cool-down
Auto Self Fuel-priming
Re-programmable with Arduino IDE

MASS PROPERTIES
Unit Mass: 10kg

PERFORMANCE
Power (max): 8.0 kW
Output Voltage Range: 15VDC – 85VDC
Operating Voltage (optimal): 60VDC
Current Handling (max): 200A
Turbine RPM (max): 140,000
Alternator RPM (max): 10,000

PRIME MOVER
1X Microturbine Jet Engine
Start-up time: 30sec
Fuel Type: Heavy (Kerosene/Diesel/Jet-A)
Lubrication (mixed with fuel): 3-5% Turbo Oil
Fuel Flowrate (max): 300gram/min
Air Flowrate (max): 0.25kg/s
Exhaust Temperature: 650C
Maintenance Interval (80% Throttle): 50Hrs
Noise Level (max): 100dB

INTERFACES
Supply/Return Fuel: 2X 6mm OD Hose
Electrical Load: 2x M6 Terminals

INCLUDED IN KIT
ARC Generator
2X DC Power Cables
Carrying Handle
Armored Case
Wired Remote Control
AC Charger (Start-up battery)
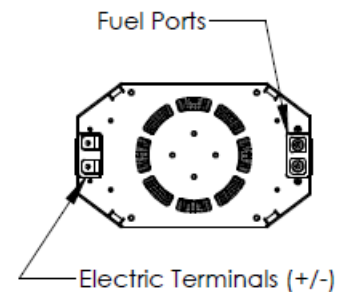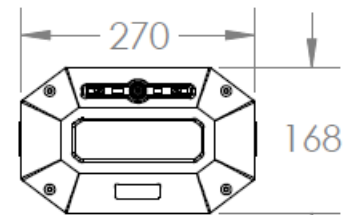
ADD-ON ITEMS   **(contact for price)**
Custom exhaust pipes
Buffer tank (125mL)
Main Fuel Tank (20L)
Custom powder coat
Custom Air Inlet Adapter

MADE IN U. S. A.