

SPECIFICATION SHEET



10kWe Peak Output
Micro Turbine Generator
LV Output Range: 25VDC – 75VDC
July 20, 2025



SPECIFICATIONS

FEATURES

Output: Filtered and Rectified DC
Works on any kerosene-grade fuel
Full Auto: Start / Restart / Fuel Prime / Cool-down
Fully reprogrammable controller
Internal Start-up Battery with self-recharging
Adjustable and fully governed output voltage
Ready-to-use out of the box

PHYSICAL PROPERTIES

Mass (Core): 20lb (8.8kg)
Mass (Core + Cosmetic Panels): 25lb (11.3kg)
Size (L x W x H) 20in x 11in x 7in (0.51m x 0.27m x 0.17m)

PERFORMANCE

Power (peak): 9.6kWe
Optimal Voltage: 55VDC - 65VDC
Maximum Current (@ 65VDC): 150A
Turbine Rotational Rate (max): 140,000RPM
Alternator Rotational Rate (max): 10,000RPM
Thrust Output (max): 8.3lbf (37N)
Startup Altitude (Max): 1.2mi (2km)
Operating Altitude (Max): 6mi (10km)
Max Ambient Temperature: 120F (50C)
Min Ambient Temperature (requires heat-pack): 14F (-10C)

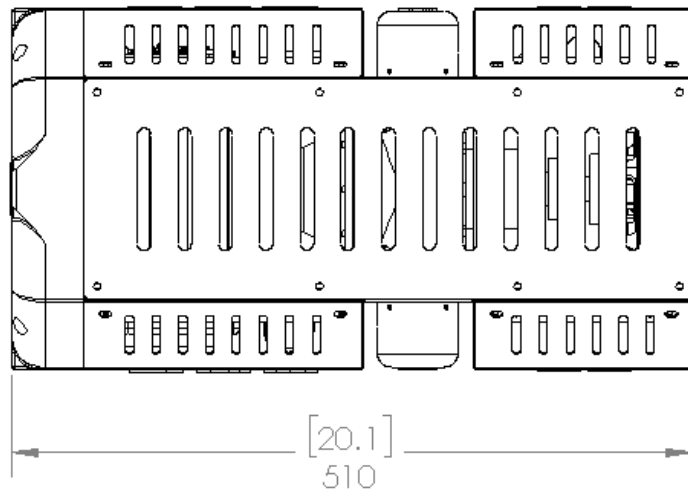
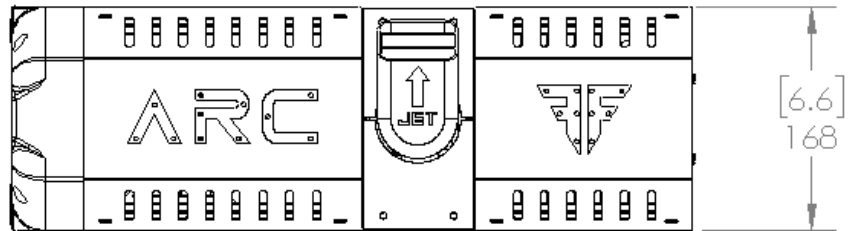
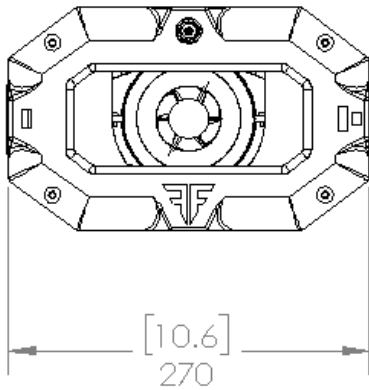
POWER PLANT

Prime Mover: Microturbine Jet-Engine
Start-up time: 30sec
Fuel Type: Heavy (Kerosene/Diesel/Jet-A)
Fuel Flowrate (peak power): 0.08Gal/min (0.3L/min)
Air Flowrate (peak power): 35CFM (1000L/min)
Exhaust Temperature: 1200F (650C)
Maintenance Interval: 50Hrs
Turbine Lifetime: 1000Hrs
Noise Level (max): 95dB



ENGINEERING DRAWING

DIMENSIONS FORMAT: [IN] MM



INTERFACES

Supply/Return Fuel:
Electrical Load:

2X 1/4in (6mm) OD Hose
2x 1/4in (M6) Ring Terminals

INCLUDED IN KIT

(Comes with every kit)

Wired Remote Control
Fuel Tubing
Power Cables
Firmware Update Cable

Carrying Handle
AC Charger
Detailed Manual

AVAILABLE ADD-ONS

(Contact us for price)

Fuel cells / buffer-tanks
Customized firmware

Exhaust/Inlet Customization
Complete integration solutions



Contact us: info@fusionflight.com
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