

SPECIFICATION SHEET



10kWe Peak Output
Micro Turbine Generator
HV Output Range: 250VDC – 750VDC
July 20, 2025



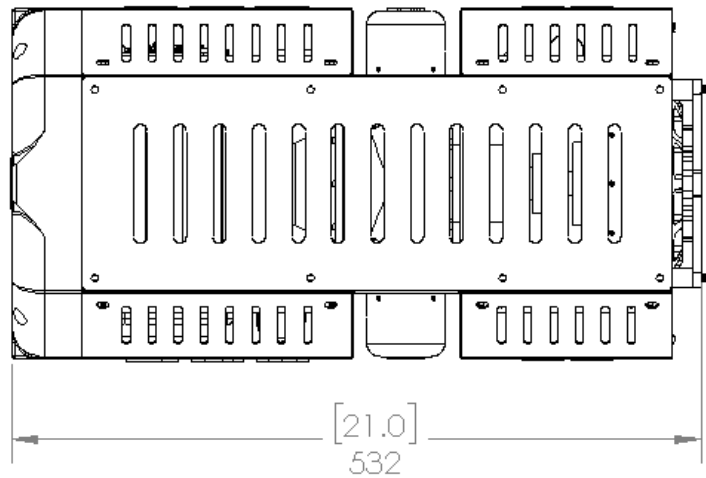
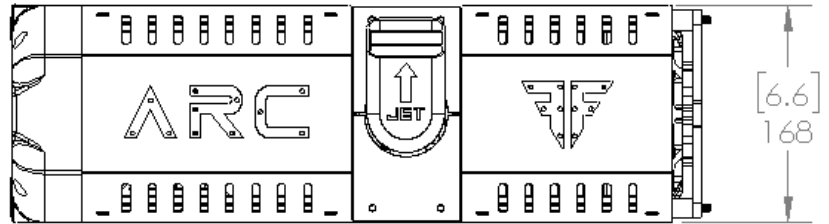
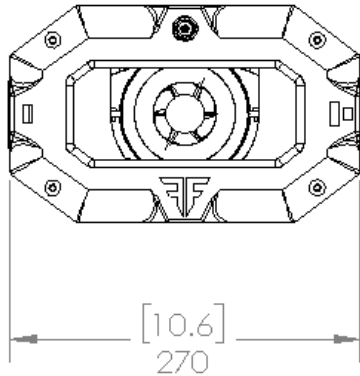
SPECIFICATIONS

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):	24lb (10.8kg)
	Mass (Core + Cosmetic Panels):	29lb (13.3kg)
	Size (L x W x H)	21in x 11in x 7in (0.53m x 0.27m x 0.17m)
PERFORMANCE	Power (peak):	9.5kWe
	Optimal Voltage:	500VDC - 650VDC
	Maximum Current Capacity:	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
Reprogram 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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