



## DET 200

Optimized for compact UAV propulsion, DET 200 delivers reliable thrust with a lightweight, thermally efficient design. Ideal for autonomous compact UAVs.

Specification	Value
Maximum Thrust	200 N
Idle Thrust	7 N / 0.7 kgf
Exhaust Gas Temperature @ Max Thrust	<750 (deg C)
Maximum Speed	123000 RPM
Idle Speed	38000 RPM
Pressure Ratio	3.8
TSFC	<0.161 kg/N-Hr
Fuel	Jet A1, Diesel
Fuel Consumption Full load	631 ml/min
Fuel Consumption Idel load	85 ml/min
Lubrication	Aeroshell (5%)
Diameter	111 mm
Length	273 mm
Total Engine Weight	1.8 kgs
Air Flow Rate	0.38 kg/s
Startup time to Idle	<35 sec
Engine Thrust Control	PWM (CANBUS)
Fuel Pump	BLDC
Max Operating Altitude	Upto 5kms
Engine Operating Mach Number	0-0.6
Max Flight Endurance	*can be specified based on mission profile
Engine Operating Temperature	-20 to 55 deg C
Engine Service Interval	25 hours
Engine Starter	BLDC Starter Motor with Bendix

### Product Delivery Includes the following:

- Engine Unit
- Engine Interface Unit
- BLDC Fuel Pump
- Battery Pack (LiPo 3S)
- Supporting Connectors and Cables
- Engine Mounts with Screws
- FOD Protection Screen



## Additional Features

CANBUS enabled diagnostic data includes fuel flow, fuel consumption, engine rpm, inlet pressure, inlet temperature, pump rpm, pump power etc.

Double 30 Watts compact glow plug & ignition startup system.

## General Arrangement

