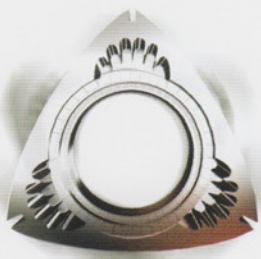


# AR741 - 38 BHP

## FOR SMALL SURVEILLANCE UAVs



**UAV**  
ENGINES



The AR741 has an outstanding power-to-weight ratio combined with much longer life and better SFC than any alternative engine. It has been developed from the mature AR731 target drone engine to meet the needs of small surveillance-type UAV's. The engine has successfully completed a 150 hour Far-33 type endurance test.

### DESIGN FEATURES

- Exceptionally light power-to-weight ratio
- Economical fuel consumption
- Low cross sectional area
- Low levels of vibration
- Long life

### TECHNICAL SPECIFICATION

Engine Type:	Single rotor Wankel-type rotary engine
Capacity:	208cc chamber size
Power Output:	38bhp (maximum) at 7,800 rpm
Weight:	23.5lbs (10.7kg) without generator
Fuel Consumption:	0.57 lb/bhp/hr at maximum power, 052 lb/bhp/hr at cruise
Vibration Level:	Zero radial vibration. Peak instantaneous torque is 4 times mean
Ignition System:	Electronic contact-less magneto. RFI suppressed HT system
Generator:	Provision for mounting GEC/Plessey 28 volt, 900 or 1500 watt (or alternatives)

### NOTE

Certain design features of the engine are covered by British, U.S. and other foreign patents.

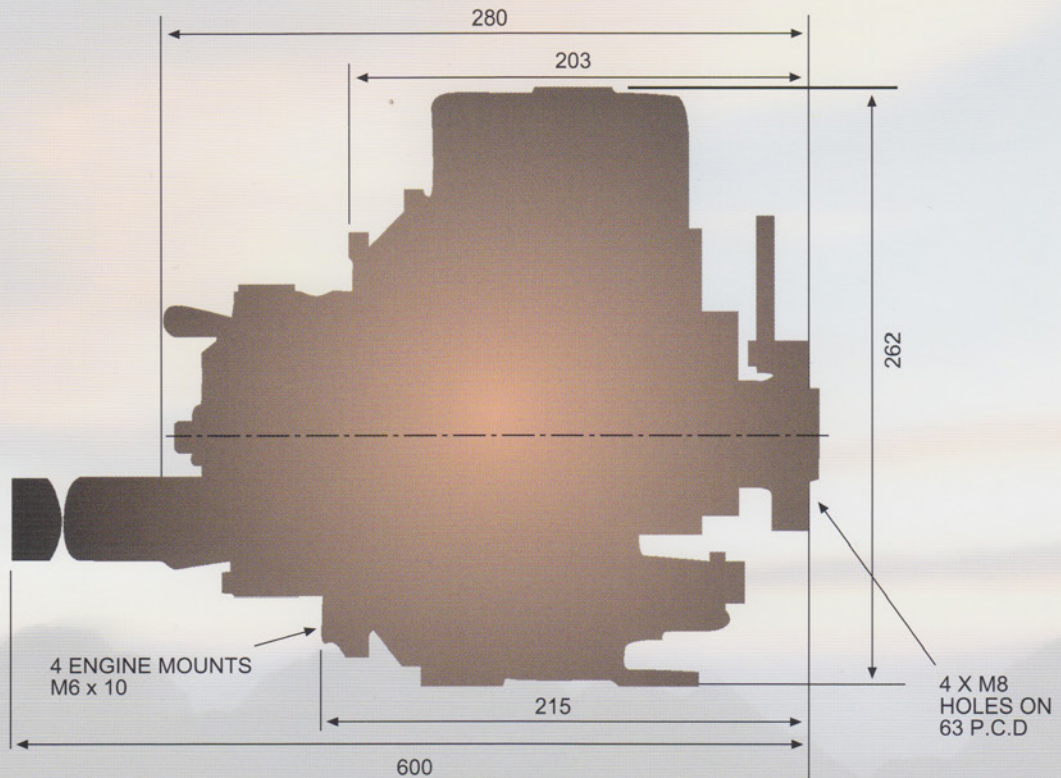
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# AR741 - ENGINE FOR UAVs

APPROX. EXTERNAL DIMENSIONS (mm)



See installation drawings - 74-1020 for standard pusher version

