

C12DI-I 航空活塞发动机

AERO ENGINES



二冲程双缸
水平对置发动机

Two-stroke two cylinder horizontally
opposed engine

满足5000米海拔起
升限不低于7500米

Take off altitude at 5000m
service ceiling $\geq$ 7500m ASL



可根据客户需求进行定制开发,使产品更符合客户的使用需求
Customized development at the request of customer requirements



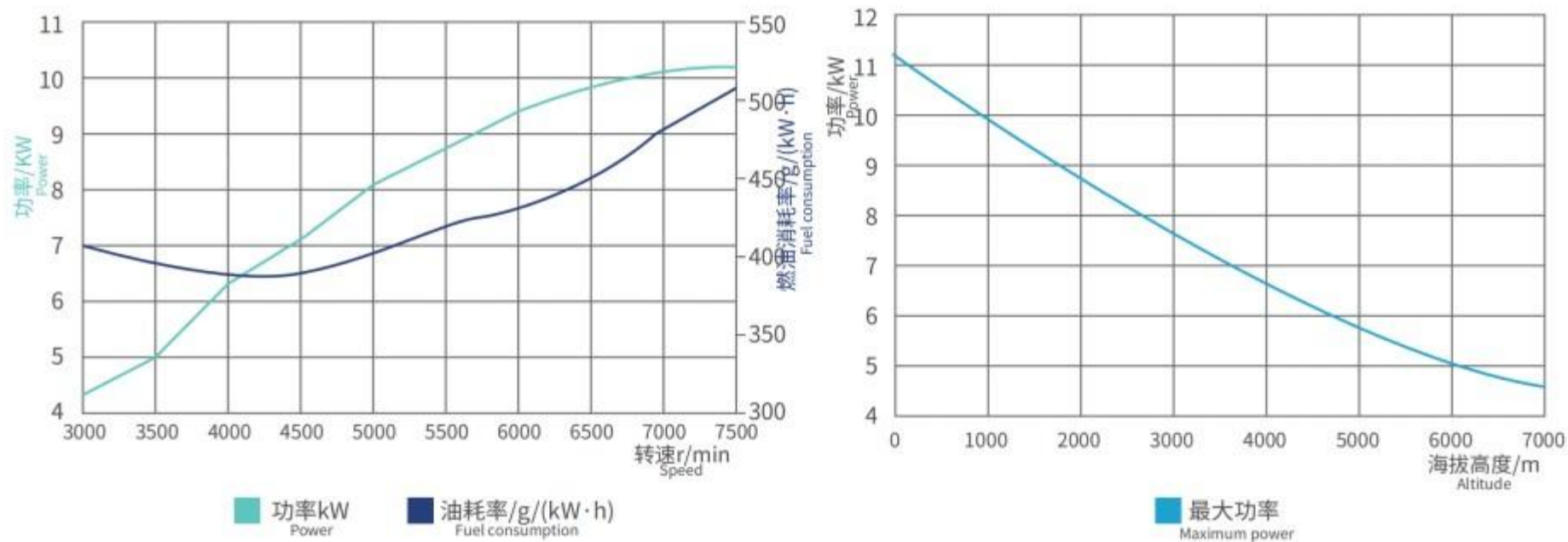
配置项目 Configuration Items	参数 Parameter
C12DI-I航空活塞发动机 C12DI-I AERO ENGINES	
排量mL Displacement	170
尺寸mm Dimension	230×420×245
整机干重kg Dry weight	6.7
最大功率kW/(r/min) Maximum power	10.2/7200
功重比kW/kg Power weight ratio	1.52
最低燃油消耗率g/kW.h Minimum fuel consumption	330
起动方式 Start mode	外置电起动/起发一体/手持起动 External electric starter/Integrated starter generator/Manual starter
点火方式 Ignition	数字双点火 Digital dual ignition
供油方式 Fuel supply mode	AADI缸内直喷低压空气辅助雾化 AADI in cylinder direct injection low pressure air assisted atomization
燃油类型 Fuel type	RP-3航空煤油、95号汽油 RP-3 aviation kerosene, 95 gasoline
冷却方式 Cooling mode	风冷 Air cooling
首翻期h TBO	150

外特性曲线

External Characteristic Curve

高度特性曲线

Altitude Characteristic Curve



应用机型

Applications



小型长航时无人机、舰载无人机、发电机、农林植保无人机等
Small long endurance UAV, shipborne UAV, generator, agriculture and forestry plant protection UAV, etc.