

# C145HT-I

升限达  
8000m  
Service ceiling 8000m ASL



航空活塞发动机  
AERO ENGINES



4-Cylinder and 4-Stroke horizontal-opposed



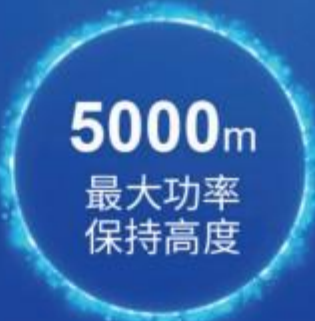
Water cooling of cylinder head and cylinder block



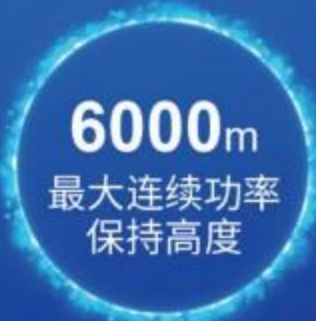
Dual ignition redundancy design



With exhaust gas turbocharger



Maximum power holding altitude: 5000m



Maximum continuous power holding altitude: 6000m



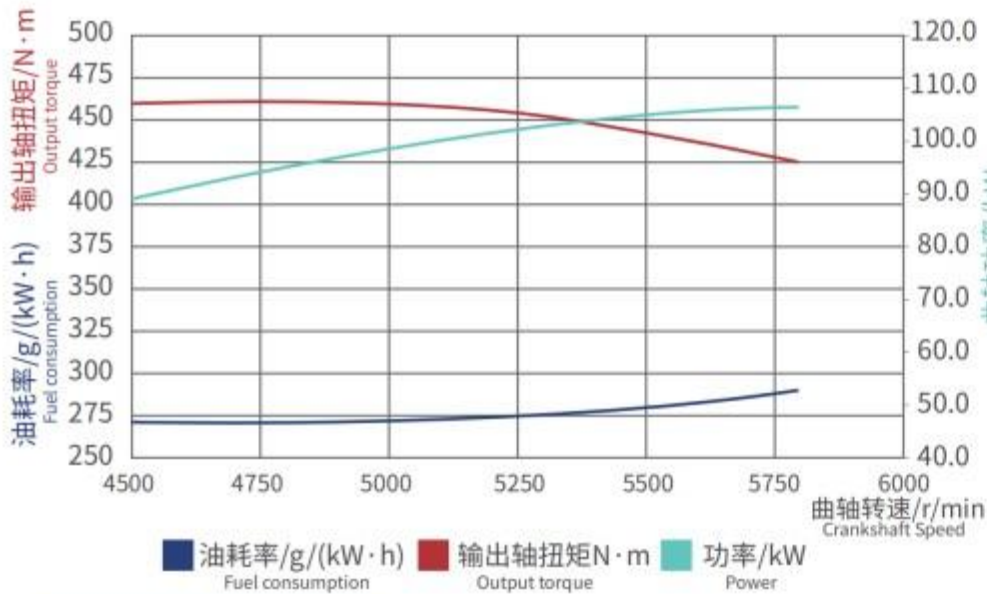
可根据客户需求进行定制开发,使产品更符合客户的使用需求  
Customized development at the request of customer requirements



| 配置项目<br>Configuration Items                  | 参数<br>Parameter                                                |
|----------------------------------------------|----------------------------------------------------------------|
| C145HT-I航空活塞发动机<br>C145HT-I AERO ENGINES     |                                                                |
| 排量mL<br>Displacement                         | 1417                                                           |
| 尺寸mm<br>Dimension                            | 750×580×550                                                    |
| 整机干重kg<br>Dry weight                         | 80.0                                                           |
| 最大功率kW/(r/min)<br>Maximum power              | 105/5800                                                       |
| 最大连续功率kW/(r/min)<br>Maximum continuous power | 95/5500                                                        |
| 功重比kW/kg<br>Power weight ratio               | 1.31                                                           |
| 压缩比<br>Compression ratio                     | 9.8:1                                                          |
| 起动方式<br>Start mode                           | 电起动<br>Electrical start                                        |
| 点火方式<br>Ignition                             | 双电容点火<br>Dual capacitor ignition                               |
| 供油方式<br>Fuel supply mode                     | 化油器<br>Carburetor                                              |
| 燃油类型<br>Fuel type                            | 95号汽油<br>95 gasoline                                           |
| 经济巡航油耗率g/(kW·h)<br>BSFC                      | 350                                                            |
| 冷却方式<br>Cooling mode                         | 缸头 / 缸体水冷<br>Water cooling of cylinder head and cylinder block |
| 首翻期h<br>TBO                                  | 2000                                                           |

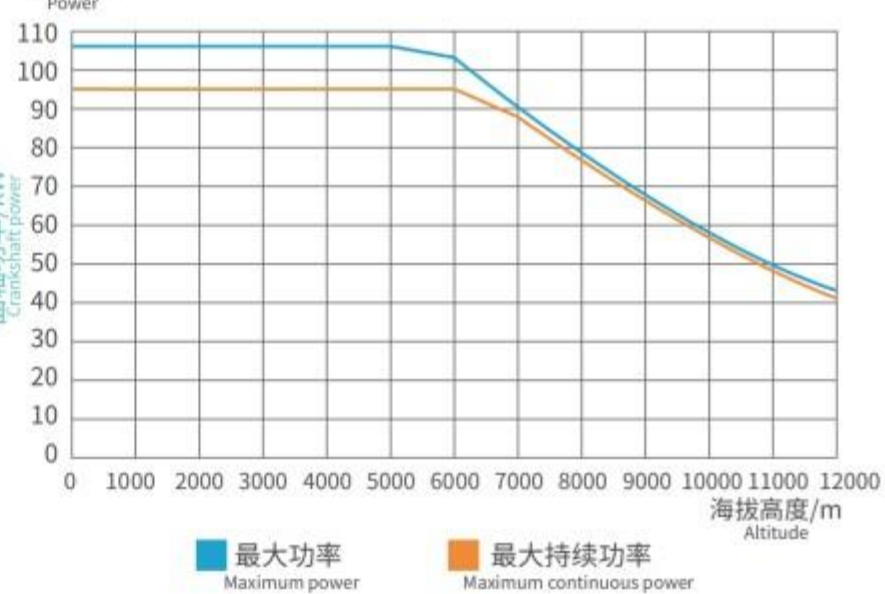
## 外特性曲线

External Characteristic Curve



## 高度特性曲线

Altitude Characteristic Curve



## 应用机型

Applications



700kg~1600kg级固定翼无人机等  
700kg~1600kg fixed wing UAV, etc.