

# C145HT-V

航空活塞发动机  
AERO ENGINES

升  
限  
达

8000m

Service ceiling 8000m ASL



C145系列  
C145 series



四缸四冲程  
水平对置

4-Cylinder and 4-Stroke  
horizontal-opposed



缸头/缸体  
水冷

Water cooling of cylinder head  
and cylinder block



双点火  
冗余设计

Dual ignition  
redundancy design



废气涡轮  
增压

With exhaust gas  
turbocharger

6500m

最大功率  
保持高度

Maximum power  
holding altitude: 6500m

8000m

最大连续功率  
保持高度

Maximum continuous power  
holding altitude: 8000m



宗申航发  
ZONSEN AERO ENGINE

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



宗申航发 产品参数配置表  
ZONSEN AERO ENGINE PARAMETER TABLE

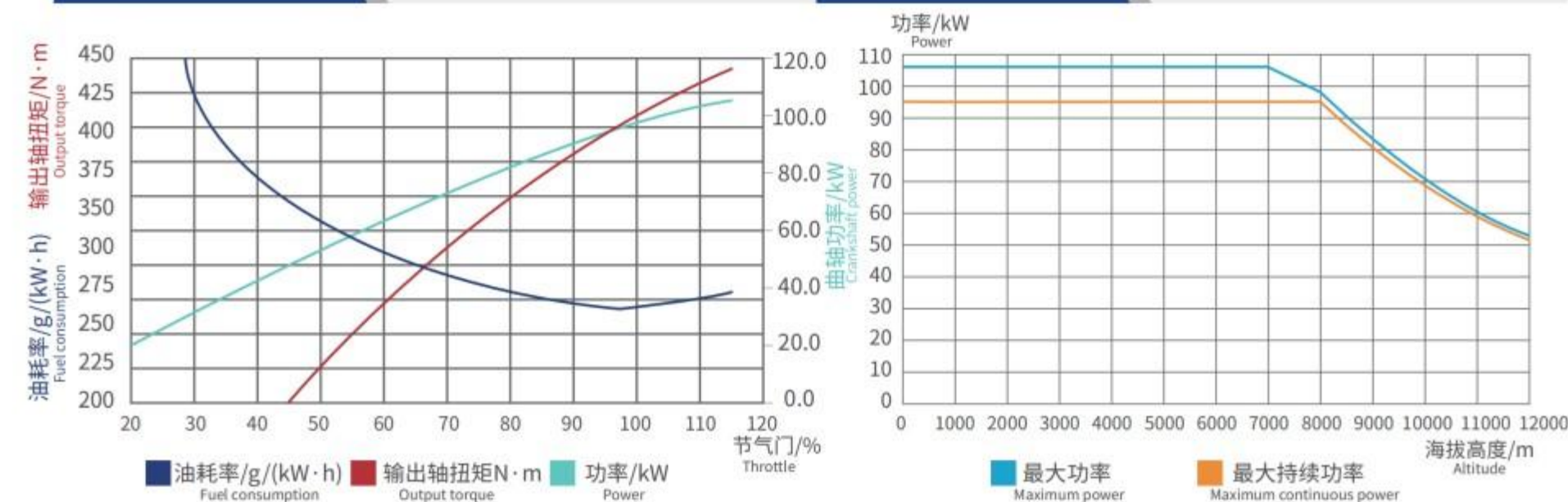
| 配置项目<br>Configuration Items                  | 参数<br>Parameter                                              |
|----------------------------------------------|--------------------------------------------------------------|
| C145HT-V航空活塞发动机<br>C145HT-V AERO ENGINES     |                                                              |
| 排量mL<br>Displacement                         | 1417                                                         |
| 尺寸mm<br>Dimension                            | 700×580×550                                                  |
| 整机干重kg<br>Dry weight (kg)                    | 76.5                                                         |
| 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               | 1.35                                                         |
| 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                      | 340                                                          |
| 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                                                         |

负荷特性曲线

Load characteristic curve

高度特性曲线

Altitude Characteristic Curve



应用机型

Applications



600kg级高原型无人直升机等  
600kg plateau unmanned helicopter, etc.