

ZS-PY70-T 大型排烟拖车技术规格书

ZS-PY70-T Large Smoke Trailer Technical Specification



一、概述 overview

ZS-PY70-T是业界最通用、大型拖车式排烟设备，凭借其多样性的配置，该拖车式排烟机非常适用于大型仓库、商业建筑、高层建筑、地铁、隧道、地下停车场机场和大众康复区域等大型场所的通风及排烟。配有水雾发生器，外供水可喷水雾、迅速降低火场温度，并可压制浓烈、高温、有毒、可燃等气体。

The ZS-PY70-T is the industry's most versatile, large trailer-type smoke extraction equipment, and with its diverse configuration, this trailer smoke extractor is very suitable for ventilation and smoke extraction in large places such as large warehouses, commercial buildings, high-rise buildings, subways, tunnels, underground parking airports and mass rehabilitation areas. Equipped with a water mist generator, the external water supply can spray water mist and quickly reduce the fire scene temperature, and can suppress strong, high-temperature, toxic, flammable and other gases.

二、主要性能参数 Key performance parameters

| | |
|---|--|
| 满载质量Full load mass (kg) : | ≤3500 |
| 外形尺寸Form factor (mm) : | ≤4160×2200×3140 (含牵引杆总长 5460) (total length including drawbar 5460) |
| 最大排烟量Maximum smoke exhaust (m ³ /h) : | 25 万立方米/小时 250,000 cubic meters / hour |
| 额定排烟量Rated smoke exhaust volume (m ³ /h) : | 20 万立方米/小时 200,000 cubic meters / hour |
| 续航时间Battery life (h) : | 4 |
| 发动机功率Engine power (kW) : | 192 |

三、主要配置及参数 Main configuration and parameters

1、拖车底盘 Trailer chassis

| | |
|--|------------------------------------|
| 制动系统 Braking system | 碰撞制动系统 Collision braking system |
| 驻车系统 Parking system | 手动驻车系统 Manual parking system |
| 最大拖行速度 Maximum drag speed (km/h) | 50 |
| 底盘尺寸 Chassis dimensions: mm | $\leq 4000 \times 2200$ |

2、动力系统 dynamical system

| | |
|-------------------------------------|--------------------------------------|
| 型式version: | 4L,DOHC,TCl,Timing silent chain,DVVT |
| 缸数 Number of cylinders: | 4 缸 4 cylinder |
| 额定功率 Rated power KW@r/min | 192/5500 |
| 最大扭矩 Maximum torque N.m@r/min | 205/4000 |
| 续航时间 Battery life () h | 4 |

3、排烟系统 Fume extraction system

| | |
|---|--------|
| 额定排烟量 Rated smoke exhaust volume m^3/h | 200000 |
|---|--------|

| | | |
|---------------------------------|------------------------------|----------------------------------|
| 推进器 thruster | 直径 diameter mm | 1800 |
| | 材料 material | CFRP 进口部件 CFRP imported parts |
| 俯仰运动 Pitch movement | 角度 (度) Angle (degrees) | -10~+20 |
| | 控制control | 电动控制 Electric control |
| 水雾系统 Water mist system | 流量 flow rate L/min | 324 (1.0MPa) |

4、控制系统 Control system

| | |
|--------------------------------|---|
| 动力控制系统 Power control system | 线控遥控器, 3m In-line remote control, 3m |
| 控制内容 Control content | 发动机启停、油量显示, 风机 俯仰, 急停, 照明显示等 Engine start-stop, fuel level display, fan Pitch, emergency stop, lighting display, etc |

5、附加配置 Additional configuration

| | | |
|------------------------------|--|---|
| 风管 Ducts: | 正压风管 Positive pressure duct | 1 根, 长度 20 米, 可折叠 1 stick, length 20 m, foldable |
| | 负压风管 Negative pressure air duct | 2 根, 长度 20 米, 可折叠 2 sticks, length 20 m, foldable |
| 风管举升装置Duct lifting device | | 折叠式 Foldable |
| 照明系统Lighting system | | 选配 Matching |

四、工作状态 Working status

1、水雾喷射 Water mist jet



2、负压排烟 Negative pressure smoke extraction



3、 风管举升 Duct lift



4、 正压送风 Positive pressure supply air

