

ZS-PY70-T Large Smoke Trailer Technical Specification



1. overview

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.

2. Key performance parameters

Full load mass (kg) :	≤ 3500
Form factor (mm) :	$\leq 4160 \times 2200 \times 3140$ 5460) (total length including drawbar 5460)
Maximum smoke exhaust (m^3/h) :	250,000 cubic meters / hour
Rated smoke exhaust volume (m^3/h) :	200,000 cubic meters / hour
Battery life (h) :	4
Engine power (kW) :	192

3、 Main configuration and parameters

1)、 Trailer chassis

Braking system	Collision braking system
Parking system	Manual parking system
Maximum drag speed (km/h)	50
Chassis dimensions: mm	$\leq 4000 \times 2200$

2)、 dynamical system

version:	4L,DOHC,TCI,Timing silent chain,DVVT
Number of cylinders:	4 cylinder
Rated power KW@r/min	192/5500
Maximum torque N.m@r/min	205/4000
Battery life () h	4

3)、 Fume extraction system

Rated smoke exhaust volume m^3/h	200000
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thruster	diameter mm	1800
	material	CFRP imported parts
Pitch movement	Angle (degrees)	-10~+20
	control	Electric control
Water mist system	flow rate L/min	324 (1.0MPa)

4、Control system

Power control system	In-line remote control, 3m
Control content	Engine start-stop, fuel level display, fan Pitch, emergency stop, lighting display, etc

5、Additional configuration

Ducts:	Positive pressure duct	1 stick, length 20 m, foldable
	Negative pressure air duct	2 sticks, length 20 m, foldable
Duct lifting device		Foldable
Lighting system		Matching

4、 Working status

1)、 Water mist jet



2)、 Negative pressure smoke extraction



3).Duct lift



4)、 Positive pressure supply air

