

Technical Agreement for ZSPY15-20 Direct Drive Smoke Exhaust System

Party A:

Party B: SHANGHAI ZISHU INDUSTRIAL CO., LTD

After friendly negotiation, Party A and Party B have reached the following terms and conditions regarding the technical matters related to Party A's order for Party B's PY15 direct drive smoke exhaust system:

1. overview

ZSPY15-20 is the most common and large-scale vehicle mounted smoke exhaust equipment in the industry. With its diversified configurations, it can achieve landing and positive and negative pressure exhaust on side vehicles. This vehicle mounted smoke exhaust system is very suitable for ventilation and smoke exhaust in large warehouses, commercial buildings, high-rise buildings, subways, tunnels, underground parking lots, public rehabilitation areas and other large places. Equipped with a water mist generator, it can spray water mist, quickly reduce the temperature of the fire, and suppress strong, high temperature, toxic, flammable and other gases.



(Reference image)

2. Main performance parameters

Maximum smoke exhaust volume (m^3/h) : 150000–200000 cubic meters/hour

Endurance time (hours): 4h

Engine power (kW): 192 kW

Fuel: gasoline

3. Main configuration

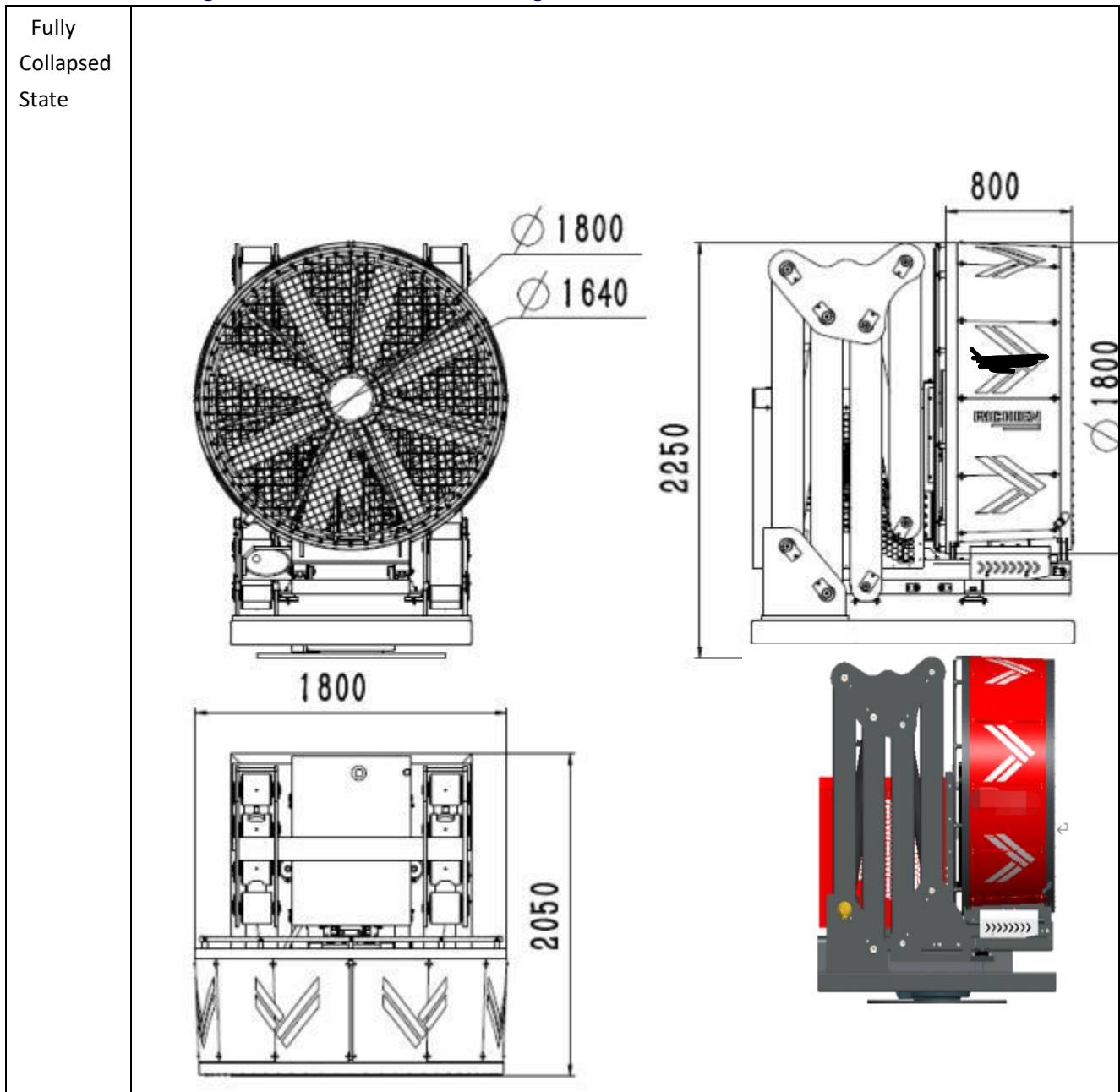
Smoke exhaust system	Air Volume: (m^3/h)	150000 to 200000
dynamical system	Type:	Gasoline engine, inline 4-cylinder, 16 valve, turbocharged, in cylinder direct injection
	Number of Cylinders:	4-cylinder
	(kW@r/min) Rated Power	192/5500
	(N.m@r/min) MAXIMUM TORQUE	400/1700–4000
	Endurance Time (h)	4


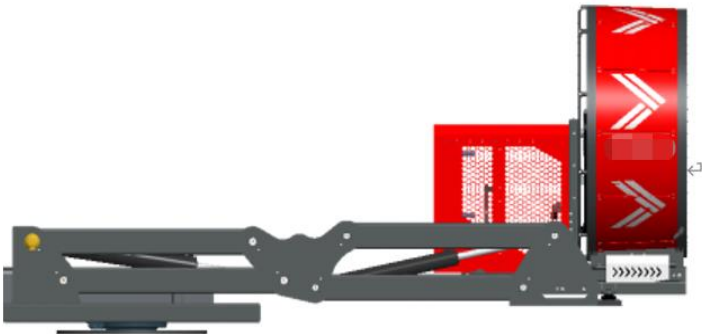
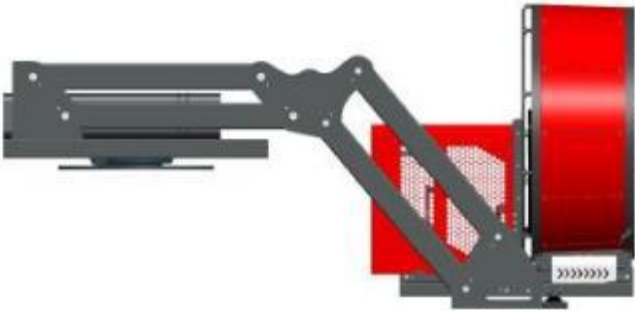
Impeller parameters	(mm)Diameter	1600 (6 or 8 blades, which one is more efficient and which one is used)
	Material	PAG (Made in Germany) equivalent CFRP
lifting mechanism	Driving Method	Hydraulic drive (chassis provides power)
	ROTATION	360 degrees
	Lifting Height (mm)	≥1300
Pitch motion	Pitch	-30 degrees to+30 degrees
Control System	Power Control System	Control panel/wireless remote control
	Control Content	Engine start/stop, throttle increase/decrease, one click deployment, one click reset, smoke exhaust fan lifting, pitching, turning, water mist switch, emergency stop, etc
Water Mist System	Flow: (L/S @1.0MPa)	5.4
	Number of nozzles	60pcs
Additional configuration	Positive and negative pressure air ducts	3pieces, length 20 meters/piece, foldable
Overall dimensions	W*D*H(mm)	1800*2050*2250

4. Vehicle configuration requirements

- 1). Provide hydraulic power source for driving (side power take-off);
- 2). Provide water mist pressure source.

5. Schematic Diagram of Different States of The Organization



<p>Maximum Lifting State</p>	 A side-view illustration of a robotic arm in its maximum lifting configuration. The arm is extended upwards and slightly to the right, holding a red rectangular object. The base is a dark grey platform with a small yellow dot on the left side.
<p>Farthest Flat State</p>	 A side-view illustration of a robotic arm in its farthest flat configuration. The arm is extended horizontally to the right, holding a red rectangular object. The base is a dark grey platform with a small yellow dot on the left side.
<p>Landing State</p>	 A side-view illustration of a robotic arm in its landing configuration. The arm is extended downwards and to the right, holding a red rectangular object. The base is a dark grey platform with a small yellow dot on the left side.

Air Duct
Status

