



玄云动力
SWIWIN TURBINE

SWIWIN SW220Pro

Technical specifications

(A/2)



SWIWIN SW220Pro List of engine accessories

Serial number	Name	Picture specification	Quantity
1	Engine		one
2	ECU (V4)		one
3	GSU		one
4	Fixture		one
5	Power cable		one
6	Signal cable		one
7	Switch valve		one



8	FESTO filter		one
9	Tubing	 $\Phi 4 \times \Phi 2.5\text{mm}$ $\Phi 6 \times \Phi 4\text{mm}$	1.5m

Technical parameter

Model	SW220Pro
Thrust	22kg
Diameter	115.4mm
Length	277.5mm
Engine weight	1800g
ECU weight	353g
Total weight (including accessories)	2650g
Usage temperature	-40℃~50℃
Supply voltage	3S Lipo battery
Starting system	One-button electronic start
Rpm Range	38000-115000
Exhaust Temperature	750℃
Fuel Consumption	620g/min
Fuel	kerosene
Lube oil	3%~5%
Maintenance Interval	25H

Engine start parameters

Pump Voltage	0.5-1.2V
RPM Start Up Ramp	100%
Pump Start Up Ramp	3
Glow Plug	5-7V
Valve	40
Ignition RPM	3000
Preheat RPM	5000
RPM Off Starter	20000

Engine operating parameters

RPM ACC	25
RPM DEC	25
Max RPM	115000
Idle RPM	38000
Minimum speed	28000
Max Temp	1000
Low Volt	10V
Restart	close
Restart Glow Plug	Consistent with the voltage of the burner
Pump Limit	15V

Engine cooling parameters

Cool

5000rpm

Starting motor parameters

Pop-up time

0.5S

Ejection voltage

4V

Run Voltage

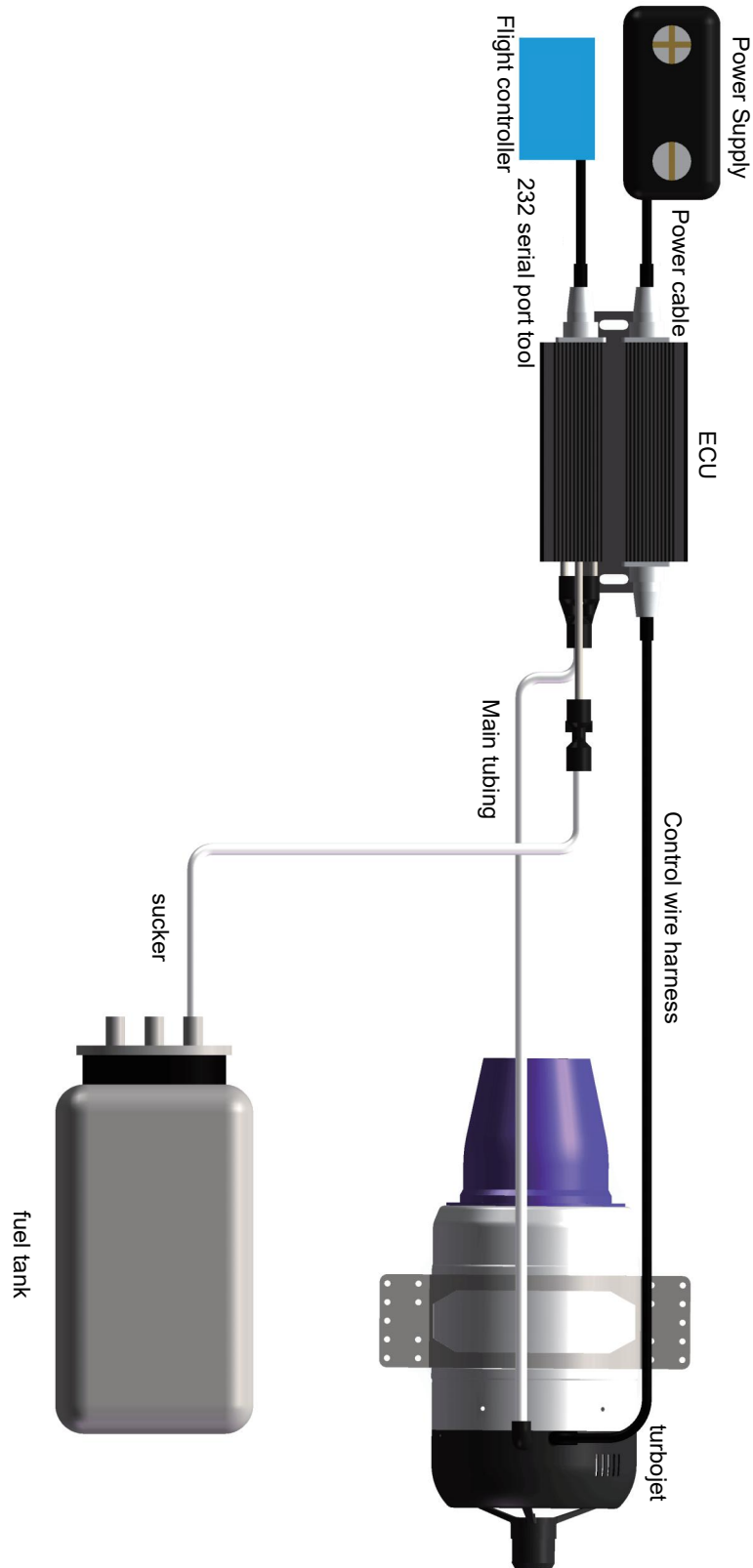
4V

Note: All data are measured at standard air pressure.

When the ambient temperature is too high or the oxygen content in the air is low, too fast acceleration and deceleration will easily lead to flameout failure.



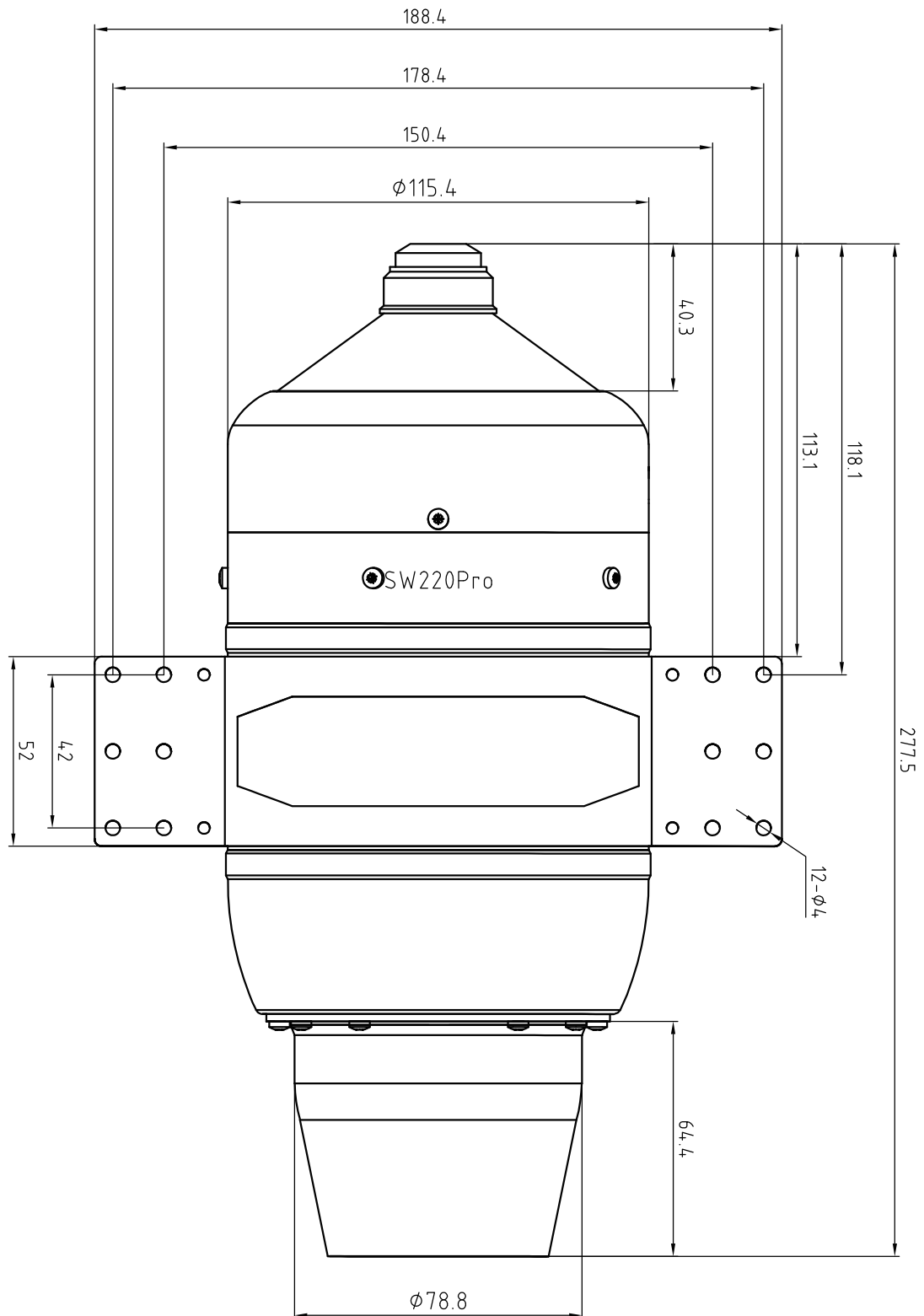
System connection diagram





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Product dimension diagram



Reference Dimensions of Product Packaging: 42CM×28CM×22CM

Reference Weight: 3.5Kg

Disclaimer

This product is limited to use in entertainment and civil fields such as aerial model toy flying, competitions, performances, firefighting, road drying and cleaning.

Please strictly follow the provisions of the Export Control Law of People's Republic of China (PRC). It is strictly forbidden to modify the product for illegal use. It is strictly prohibited to resell the product to the export restriction country under the law in china.

Otherwise, all consequences will be at your own risk.