



玄云动力
SWIWIN TURBINE

SWIWIN SW220Pro

Technical specifications



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 (mm)	115.5mm
Length (mm)	278.5mm
Weight	1800g
ECU weight	353g
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	10V
Idle Stable	8

Engine cooling parameters

Cool

5000rpm

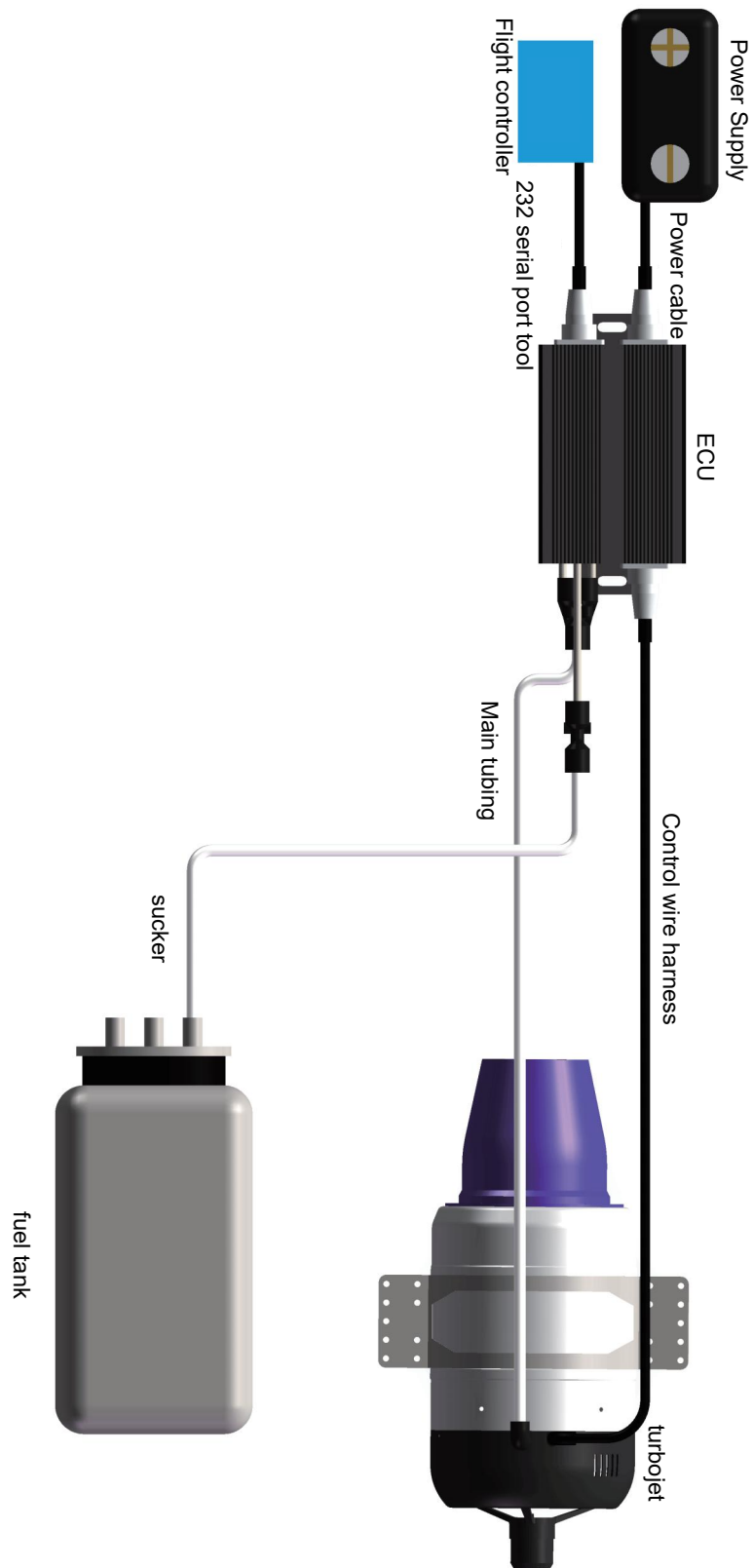
Starting motor parameters

Pop-up time	0.5S
Ejection voltage	4V
Run Voltage	4V
RPM Stable	50

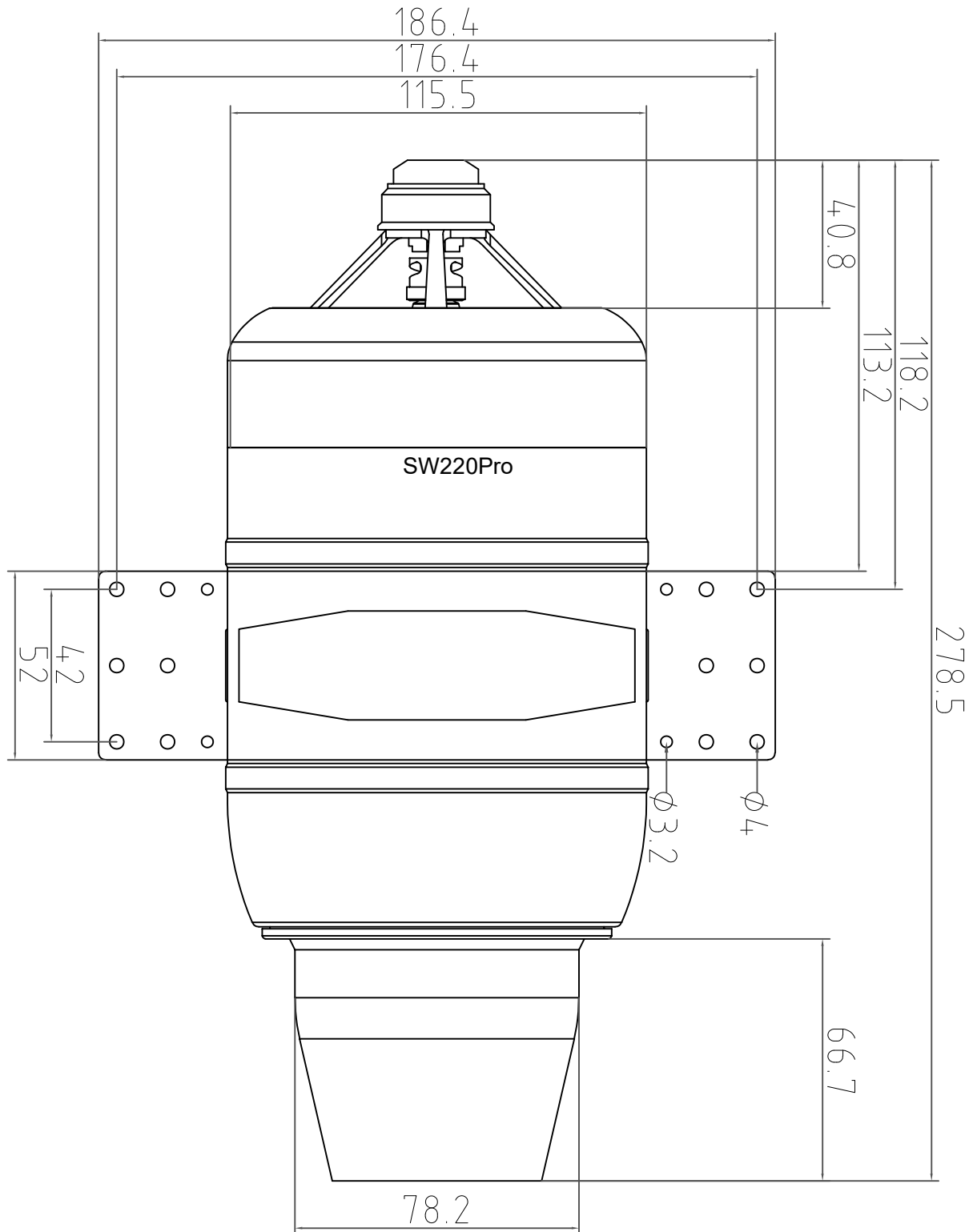
Note: All data are measured at standard air pressure.



System connection diagram



Product dimension diagram



Disclaimer

This internal combustion engine is only used for Model RC, Toy aircraft as power source, it can only be used for model airplane flight, model airplane flying show and other entertainment activities. According to the Export control law of the People's Republic of China and the Export control law of the USA. 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.