



# SWIWIN SW220B





## Technical specifications



## SWIWIN SW220B List of engine accessories

| serial number | name               | Picture specification  | quantity |
|---------------|--------------------|--|----------|
| 1             | Engine body        |    | 1 set    |
| 2             | ECU (V3)           |    | one      |
| 3             | GSU                |    | one      |
| 4             | Fixing frame       |  | one      |
| 5             | Brushless oil pump |  | one      |
| 6             | Power line         |  | one      |
| 7             | Signal line        |  | one      |



|    |               |   |     |
|----|---------------|---|-----|
| 8  | Throttle line |   | one |
| 9  | Switch valve  |   | one |
| 10 | Filter        |   | one |
| 11 | Tubing        |  | one |

## Technical parameter

|                      |                             |
|----------------------|-----------------------------|
| model                | SW220B                      |
| Thrust               | 22kg                        |
| Diameter (mm)        | 115.5mm                     |
| Length (mm)          | 278.5mm                     |
| weight               | 1740g                       |
| ECU weight           | 42g                         |
| usage temperature    | -40°C~50°C                  |
| supply voltage       | 3S Lipo battery             |
| starting system      | One-button electronic start |
| Rpm Range            | 38000-115000                |
| Exhaust Temperature  | 750°C                       |
| Fuel Consumption     | 620g/min                    |
| fuel                 | kerosene                    |
| lube oil             | 3%~5%                       |
| Maintenance Interval | 25H                         |

## Engine start parameters

|                    |        |
|--------------------|--------|
| Pump Voltage       | 0.5-1V |
| 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        | 11V                                       |
| Idle Stable       | 5-8                                       |

## Engine cooling parameters

cool

5000rpm

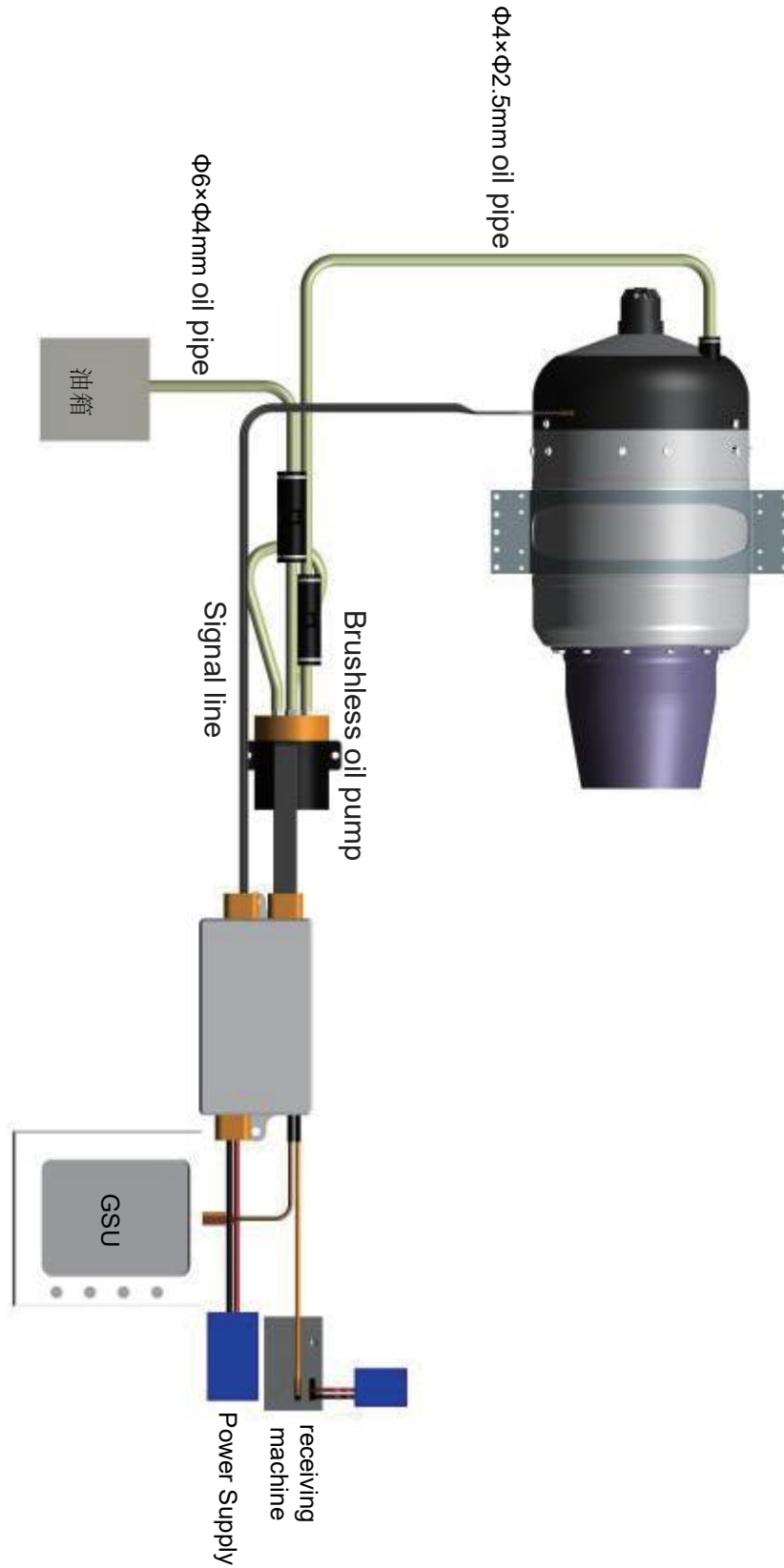
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## Starting motor parameters

|                  |      |
|------------------|------|
| 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

