



Operating Temp Range - Upper & Lower Limits

V-Drive
Velvet Drive Trans Max 190 f

Crusader 454XL Main Engines - Thermostat 143 f. Normal Operating Range 120 to 180F
Oil Pressure at 2,000 RPM 30 - 60 psi
at idle 10 PSI

Kohler Generator Standard Operating thermostat 195 f

ESP32 Pin Assignments

- GP18 - Blue - data for Optocoupler to Starboard alternator
- GP19 - Blue - data for Optocoupler to port alternator
- GP25 - Yellow - data for 1-wire DS18B20 Sensors
- GND - Black - black for 1-wire DS18B20 Sensors

3.3V - Red - Red for 1-wire DS18B20 Sensor

