

Hobart 60CU20 & 90CU420

Cummins QSB Diesel GPU



EPA TIER 3 / CARB TIER 3
EU STAGE III A
Low emissions compliant



Rugged-Compact & Efficient Design:

The 60CU20 & 90CU420 provide a much quieter and more fuel-efficient power system. The low profile design, combined with our rugged 5th wheel steering, provides superior visibility and maneuverability in today's congested ramp area.

The reduced fuel consumption rate provides fuel cost savings and reduces engine emissions which support the "Go Green" initiatives of the ITW GSE Group.

The Hobart GPUs feature the Cummins "QSB" series electronic diesel engine and the Hobart designed and manufactured dual bearing generator. Integrating customer influenced design, innovative technology, and Hobart's years of engineering expertise maximizes the GPU performance and maintains the traditional Hobart standards of durability and reliability.

Performance Features:

- Lift-off doors and removable panels provide complete access to engine, generator and control compartments
- Corrosion free 50 gallon fuel tank with at least 12 hours of run time at typical loads.
- Low fuel warning and shutdown
- Delayed stop for turbo protection
- Emergency shutdown
- Hobart dual bearing generator offers long life and reliability
- Numbered, color-coded wiring
- Towbar activated braking system
- Superior frequency & voltage regulation
- Low noise design (less than 90 dBA)
- Lost neutral detection
- 30 ft. output cables (AC and DC)

HOBART is part of ITW GSE
- the world's leading supplier of Ground Support Equipment



It's all about connections

Specifications

60CU20 & 90CU420 Diesel GPU

Engine

- Cummins QSB4.5 diesel engine operating at 2000 RPM
- Turbocharged 4-stroke, inline 4 cylinder common rail fuel system
- Full application approval by Cummins Engine
- 12 VDC battery system
- Electronic governor system (via the engine's ECM)
- Intake manifold pre-heater for cold weather starting
- HP: 109 (60 kVA), 155 (90 kVA)

Engine Protection

- Low oil pressure shutdown
- High coolant temperature shutdown
- Low coolant level shutdown
- Intake air restriction indication

Environmental

- Operating Temperature: -31° C to + 52° C (-25° F to +125° F)
- Relative Humidity: 10-95%, non-condensing
- No altitude derating required up to 10,000 feet when running in normal operating range

Performance

- Continuous rating: 60 or 90 kVA (48 & 72 kW), 3 phase, 4 wire, 115/200 V
- Meets or exceeds both SAE ARP5015A and MIL-STD-704F electrical power quality requirements
- <90 dBA at 1 m and <81 dBA at 7 m

Weight

- Weight: 4,000 lbs (fixed unit), 4,300 lbs. (trailer unit)

Electrical Characteristics

- Voltage Regulation: $\pm 1\%$ no load to full load
- Voltage adjustment: ± 15 volts
- Max line drop compensation: 5%
- Individual Harmonic Distortion: <1% of the fundamental (RMS) voltage
- Total Harmonic Distortion: <2% of the fundamental (RMS) voltage
- Voltage & Frequency Transients meet MIL-STD-704F and SAE ARP5015A
- Phase voltage balance not to exceed 1% on a 3-phase balanced load and does not exceed 4% with 33% unbalanced load
- Frequency Regulation: ± 2 Hz steady rate

Displays / Instrumentation

Engine Operation

- Meters: coolant temperature, battery voltmeter, hour meter, oil pressure, fuel level
- Buttons: engine start, engine stop, panel lights, pre-heater

Generator Output

- Meters: frequency, ammeter, voltmeter
- Buttons: phase select, output contactor control, fault reset

Fault Code Display

- Engine Faults: air cleaner restriction, high coolant temp, low oil pressure, low fuel warning, low coolant
- Generator Faults: over & under frequency, overload, over & under voltage

Generator Protection

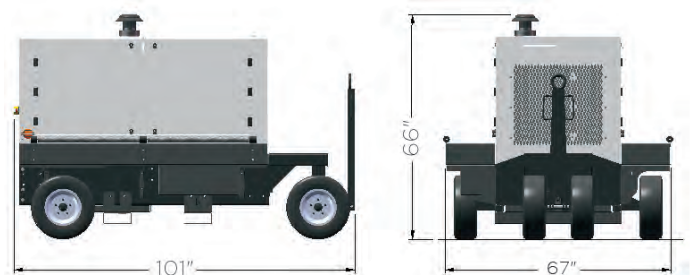
- Per MIL-STD-704F and SAE ARP5015A
- Over-voltage: disconnect output between 124 to 126 volts in 1 second and disconnects at 180 volts L-N in 50 ms.
- Under-voltage: disconnects output < 104 volts L-N in 7 secs
- Over-frequency: disconnects output > 420 Hz in 5 secs
- Under-frequency: disconnects output < 380 Hz in 7 secs

Generator Overload

- > 125% rated load for 5 minutes
- > 150% for 30 seconds
- > 200% for 10 seconds
- > 210% for 2 seconds
- Individual outputs: 217/325 amps, 5 minutes (60/90 kVA)

Options

- 28.5 VDC Transformer-Rectifier (600 A continuous, 2000 A peak)
- Unit operating light
- Low fuel beacon
- Clearance Lights
- CE Marking/Certification
- Cable tray rollers
- Tie down rings
- Forklift pockets
- Engine block heater
- Battery blanket



Specifications are subject to change without prior notice



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