

# Hobart 60CU20 & 90CU420

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 new low profile design, combined with our rugged 5th wheel steering, provides superior visibility and manoeuvrability 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 standard durability and reliability.

#### Performance Features:

- Lift-off doors and removable panels provide complete access to engine, generator and control compartments
- Corrosion free 190 L fuel tank with at least 12 hours 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 80 dB(A))
- Lost neutral detection
- Output cables (AC and DC)

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

**ITW  
GSE HOBART**

It's all about connections



# Specifications

## 60CU20 & 90CU420 diesel GPU

ITW GSE ApS  
Smedebakken 31-33  
DK-5270 Odense N  
Denmark

web: [www.itwgse.com](http://www.itwgse.com)

### 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 3,300 meters, 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
- Line drop compensation assures proper voltage at aircraft plug
- <90 dBA at 1m <81 dBA at 7m

### Weight

- Weight: 1814 kg (fixed unit), 1950 kg (trailer unit)

### Electrical Characteristics

- Voltage Regulation:  $\pm 1\%$  no load to full load
- Voltage adjustment:  $\pm 15$  volts
- Line Drop Compensation: Automatic up to 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:  $\pm 2$  Hz steady rate

### Instrumentation

#### Engine Operation

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

Specifications subject to change without prior notice

### Generator Output

- Meters: frequency, ammeter, voltmeter
- Buttons: Phase select, output contactor, 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

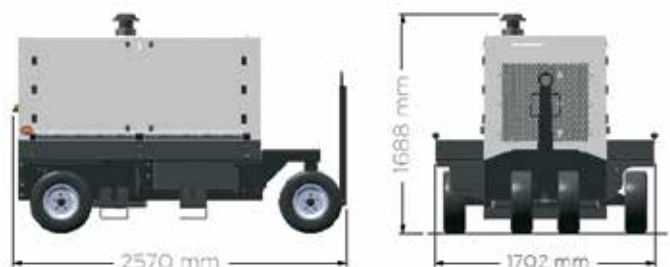
- Per MIL-STD-704F and SAE ARP5015A
- Over-voltage: disconnect output between 124 to 126 volts in 1 second and disconnects at 180 volts L-N in 50 ms
- Under-voltage: disconnects output < 100 volts L-N in 7 secs
- Over-frequency: disconnects output > 420 Hz in 5 secs
- Under-frequency: disconnects output < 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



It's all about connections