A20 VEHICLE HEATER
60,000 BTU/H Vehicle Space Heater

Developed for the United States Army Tank-Automotive Armaments Command (TACOM), the A20 Vehicle Heater is a dual-output unit with a selectable heat level between 60,000 BTU and 30,000 BTU (17.58 kW and 8.79 kW). The heater provides clean, warm air for the crew compartments of armored vehicles and may also be used to heat the enclosed cargo area of the 5-ton FMTV (Cargo Bay Heater Installation Kit – A20-CBHK required for installation).

The system has multi-fuel compatibility including DF1, DF2, DFA, and JP8. Combustion air intake is taken from outside the heated compartment and exhaust gases are expelled outside the heated area, completely isolating ventilation air from combustion gases.

The heater is user-friendly with self-diagnostics and remote fault signaling and is designed to minimize downtime and maintenance. The high / low switch on the vehicle master panel or optional remote control box controls the heat output.

Please contact HDT for more information about the A20 or ask how HDT can provide a tailored solution for unique mission requirements.

**KEY FEATURES**

- Microprocessor controlled with built-in diagnostics
- Advanced multi-fuel combustion
- Continuous safety monitoring
- Operates to temperatures as low as -60°F (-51.1°C)
- Operates against high static, 4-5 IWG max pressure
- Qualified to MIL-PRF-62550E
- Fully automatic – no adjustments required
- CBRN compatible

**CARGO BAY HEATER INSTALLATION KIT (A20-CBHK)**

The Cargo Bay Heater Installation Kit (CBHK) contains everything needed to install an A20 heater in the cargo bay of a van body or heavy-wheeled vehicle. Initial installation can be accomplished by one person in approximately four hours and can be easily removed and/or reinstalled in approximately one hour.

The installation kit contains all hardware, housing components, hoses, and fittings as well as detailed installation instructions.

**KEY FEATURES:**

- Insulated vent and exhaust ducts
- Sealed exhaust port safely directs exhaust to the exterior of the vehicle
- Integral ducts direct heated air into the cargo space
- Keyed power connections with quick-connect fittings
- Warms battery compartment with clean air
- Includes 10’ (3 m) buddy hose to warm other areas or vehicles
### A20 Vehicle Heater

**60,000 BTU/H Vehicle Space Heater**

<table>
<thead>
<tr>
<th>Ordering Information</th>
<th>A20 Vehicle Heater</th>
<th>A20-CBHK</th>
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<tbody>
<tr>
<td>HDT part number</td>
<td>12474864</td>
<td>5K4364</td>
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<tr>
<td>NSN</td>
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<td>On GSA Contract</td>
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<td>Heat output</td>
<td>60,000 BTU/H</td>
<td>30,000 to 60,000 BTU/H</td>
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<tr>
<td></td>
<td>17.58 kW</td>
<td>8.79 to 17.58 kW</td>
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<td>Rated air flow</td>
<td>225 SCFM</td>
<td>225 SCFM</td>
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<td></td>
<td>382.3 m³/h</td>
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<tr>
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<td>4-5 IWG Max. BP</td>
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</tbody>
</table>

#### Fuel

- **Fuel requirements**: DF1, DF2, or DFA, and JP8
- **Fuel consumption**: 0.80 gallons per hour / 3.0 liters per hour

#### Power

- **Power requirements**: 478 watts – 19.9 Amps. maximum
- **Operating range**: 19 to 30 VDC
- **EMI characteristics**: MIL-STD-461A Notice 4, Class 3A

#### Physical characteristics

- **Length x diameter**: 27" x 8" (68.58 x 20.32 cm)
- **Mounting frame and cover**: 22" x 20" x 34" (55.88 x 50.8 x 86.36 cm)
- **Weight**: 38 lbs (17.24 kg)

#### Accessories

- **Included**: Vent seal gasket
- **Available**: Control box, control test and documentation per MIL-PRF-62550E, monitoring software and cable kit (part # 5000-30030)

A20 heater, mounting frame and cover, left and right plenums, exhaust pipes, battery warming assembly, buddy hose, wiring harnesses, fuel hoses, hardware nuts and bolts

A20 monitoring software kit

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Products, product specifications and data are subject to change without notice to improve reliability, function, and/or design. Please contact Customer Service at 800.969.8527 for the most up-to-date product information.

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**HDT Expeditionary Systems, Inc.**

30500 Aurora Road, Suite 100
Solon, OH 44139 USA
P 800.969.8527 / 540.887.4700
sales@hdtglobal.com

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Revision 14  12-19  01-04-01-0116