

# 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

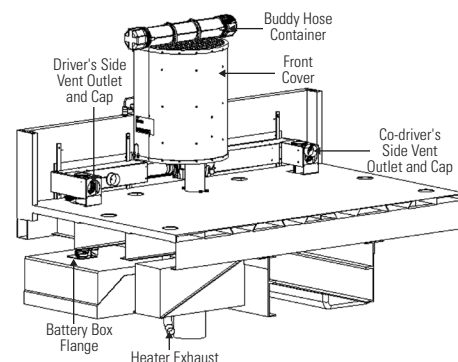
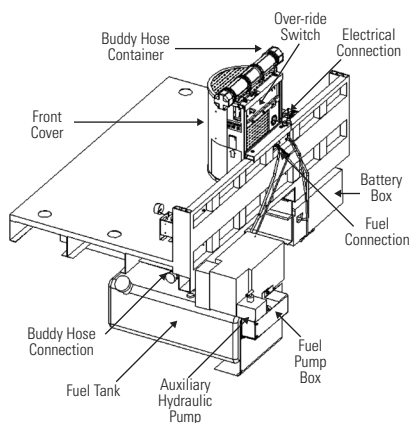
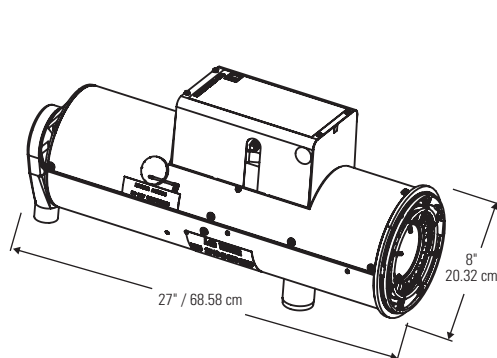
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Ordering information	A20 Vehicle Heater	A20-CBHK
HDT part number	12474864	57K4364
NSN	2540-01-396-2826	2540-01-479-8835
On GSA Contract	5000-30178-MNC	
<b>Heat output</b>	60,000 BTU/H 17.58 kW	30,000 to 60,000 BTU/H 8.79 to 17.58 kW
<b>Rated air flow</b>	225 SCFM 382.3 m³/h 4-5 IWG Max. BP	225 SCFM 382.3 m³/h
<b>Fuel</b>		
Fuel requirements	DF1, DF2, or DFA, and JP8	DF1, DF2, or DFA, and JP8
Fuel consumption	0.80 gallons per hour 3.0 liters per hour	0.80 gallons per hour 3.0 liters per hour
<b>Power</b>		
Power requirements	478 watts – 19.9 Amps. maximum	478 watts – 19.9 Amps. maximum
Operating range	19 to 30 VDC	19 to 30 VDC
EMI characteristics	MIL-STD-461A Notice 4, Class 3A	MIL-STD-461A Notice 4, Class 3A
<b>Physical characteristics</b>		
Length x diameter	27" x 8" 68.58 x 20.32 cm	
Mounting frame and cover (L x W x H)		22" x 20" x 34" 55.88 x 50.8 x 86.36 cm
Weight	38 lbs (17.24 kg)	275 lbs (124.74 kg)
<b>Accessories</b>		
Included	Vent seal gasket	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
Available	Control box, control test and documentation per MIL-PRF-62550E, monitoring software and cable kit (part # 5000-30030)	A20 monitoring software kit

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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