

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.

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.

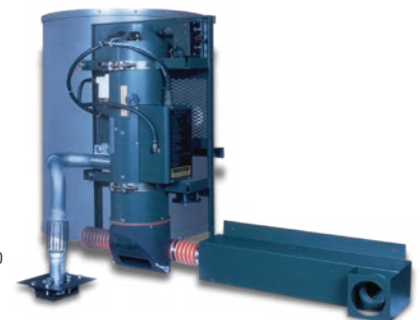
Please contact HDT for more information about the A20 or ask how HDT can provide a tailored solution for unique mission requirements.

A20 VEHICLE HEATER - 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

A20-CBHK - 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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SPECIFICATIONS

Ordering information	A20 Vehicle Heater	A20-CBHK
HDT part number	12474864-UID	57K4364
NSN	2540-01-576-0902	2540-01-479-8835
On GSA Contract	5000-30178-MNC	
Heat output	60,000 BTU/H 17.58 kW	30,000 to 60,000 BTU/H 8.79 to 17.58 kW
Rated air flow	225 SCFM 382.3 m ³ /h 4-5 IWG Max. BP	225 SCFM 382.3 m ³ /h
Fuel		
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
Power		
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
Physical characteristics		
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)
Accessories		
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

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