

MTH35 SPACE HEATER

35,000 BTU/H Self-Powered Space Heater

HDT[®]
GLOBAL



The HDT MTH35 is a self-powered, liquid fuel burning, and ducted convective heater. A thermoelectric generator supplies power for combustion and air handling. Built for optimum efficiency and reliability in strategic field operations, the MTH35 is designed to deliver 300 CFM of clean, heated air to personnel shelters.

This versatile unit can burn a full range of liquid fuels (DF1, DF2, DFA, JP5, and JP8) for maximum flexibility and control of critical resources.

The nominal size and weight of this unit provide ease of transportation and setup. The unit can be set up by two people to facilitate rapid deployment under even the most extreme conditions. The unit is designed for simplicity of operation and minimal maintenance to augment primary mission capability.

The MTH35 can be readily set up outside the tent using the air ducts provided. An axial fan circulates heated air, and remote controls make it easy to monitor, start, stop and adjust the temperature to ensure a consistent comfort level. Overall, the MTH35 proves to be the most reliable, flexible and efficient convective heater for extreme conditions.

Designed for cold weather space heating of command posts or tent heating.

KEY FEATURES

- Self powered, no external power source required
- Set up outside the tent to maximize internal space
- Remote thermostat for temperature control
- High-temperature shutoff protection
- Starts at -40°F (-40°C)
- Operates down to -60°F (-51.1°C)
- Lightweight, man portable
- Operates to an altitude of 10,000' (3048 m)
- Qualified to MIL-STD-810
- Routine maintenance spare parts included

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MTH35 SPACE HEATER SPECIFICATIONS

Ordering information

| | |
|-----------------|------------------|
| HDT Part Number | 106850-PKD |
| NSN | 4520-01-431-8927 |
| On GSA Contract | |

| | | |
|--------------------|-----------------------|---------------|
| Heat output | 28,000 – 35,000 BTU/H | 8.2 – 10.3 kW |
|--------------------|-----------------------|---------------|

| | | |
|-----------------|---------|----------------------|
| Air flow | 300 CFM | 509 m ³ h |
|-----------------|---------|----------------------|

Fuel

| | | |
|---------------|--|----------------------|
| Tank capacity | Standard military five-gallon fuel tank serves as an external tank | |
| Requirements | DF1, DF2, DFA, JP8, JP5 (Do not use gasoline or JP4) | |
| Consumption | 0.30 gallons per hour | 1.14 liters per hour |

Power

| | |
|--------------|--|
| Requirements | Self-powered, no external power required |
|--------------|--|

Physical characteristics

| | | |
|------------------|-------------------------|-------------------------|
| L x W x H | 40.5" x 14.25" x 18.37" | 102.87 x 36.2 x 46.7 cm |
| Weight | | |
| Nominal | 65 lbs | 29.5 kg |
| With accessories | 74 lbs | 33.6 kg |

Accessories

| | |
|-----------|---|
| Included | Storage bag, battery charger adapter, fuel can stand, two air ducts, gravity feed adapter, fuel hose, remote control and cable, |
| Available | NATO charging system (NSN: 4520-01-533-0607), heavy-duty transport bag (NSN: 8145-01-547-2636), battery charging stand (PN 301-H003005) |

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