

Portaheat



Engineered to operate in very cold or damp environments, Powervamp's Portaheat unique self-contained portable heating unit is designed to heat areas such as aircraft/helicopter flight decks, corporate aircraft cabins, portable accommodation or any internal or outside specific area.

A key feature is the unit's high temperature hot air output which unlike other heat sources can be precisely directed by 4 metre (13ft) temperature resistant flexible hose to a confined area for spot or general heating.

This versatile 5.5kW heater operates on fuels with a flash point above 37°C – typically Jet A1, AVTUR, kerosene or diesel – burning only 0.6 litres (0.15 US galls) per hour at maximum output. Designed as a compact self-contained module, it fits onto an optional lightweight collapsible trolley to allow easy movement between locations. The 5-litre (1.3 US galls) portable fuel container can be quickly removed and purged for air transportation.

Portaheat is the perfect solution for the rapid heating of localised areas, removing condensation, or the heating of areas that cannot be reached by a conventional heater. With its built-in rechargeable power supply and 110/230 volt 50/60 Hz input, the heater is fully independent. The flexible 100mm diameter hose allows the Portaheat to remain remotely sited while ensuring there are no odours, combustion gases or ignition source at the point of heat delivery.

In hostile environments, the Portaheat is perfect for spot heating during external maintenance operations, or for the thawing of fuel lines or assemblies and the warming of viscous fluids. Powervamp's Portaheat provides up to 5.5kW of thermostat-controlled heat. Its 100mm (4 in) outlet hose, to which an optional splitter can be fitted – can direct hot air to the flight deck and cabin of a medium sized biz-jet simultaneously. The double insulated optional hose extension minimises heat loss where longer hose runs are required.

The Powervamp Portaheat unit can be recharged from any 24 volt alternator output, 28 volt aircraft DC bus or any single phase mains supply, providing operational versatility at sites where mains power is not available. Portaheat is not certified for use in flight. Fuel tank should be emptied and purged before air transportation.

SPECIFICATION

Maximum heating capacity	5.5Kw
Charger input voltage	110/240V AC, 50/60Hz
Operating voltage	11–14V DC
Power source	12V integral battery
Maximum fuse rating	10 amps
Integral battery capacity	17 amp/hr
Charging	Internal two-step 10 amp charger Recharge time from 80% discharge: 1.7 hours
Protection	Low voltage shutdown (10.8 volts) and over temperature protection
Construction	Powder coated pressed alloy with riv. nuts and stainless screws/rivets
Finish	Powder-coated RAL 1028 (yellow)
Fuels	Jet A1, AVTUR, kerosene, diesel
Fuel tank capacity	5 litres, 1.32 US gallons
Tank	Quick removable polyethylene tank
Fuel tank run time	8 hours (battery pack amp/hr is limiting factor)
Running time using integral batteries (fully charged)	approx. 4 hours
Height	420mm (16.5in)
Width	400mm (15.5in)
Depth	300mm (12in)
Weight (exc. fuel)	30kg (66 lbs)

STANDARD EQUIPMENT

- 4 metres of 100mm diameter outlet hose
- 110/220V 24/28V DC 10 amp output all weather IP66
- Webbing hose bag

OPTIONS

- Splitter plenum 100mm dia input to 2 x 75mm outputs
- 100 mm x 4m (4in x 13ft) hose extension
- Remote battery pack for extended run time

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