

MAXI-HEAT®

MH500iQ™ FCS



STANDARD FEATURES

- Now equipped with a **Fluid Containment System** and **double-wall single-cell metal fuel tank**, the MH500iQ FCS is ready for the harshest of conditions.
- **iQ analyzer** detects the environmental temperature and pressure, suggests the correct setting of the burner and automatically configures the nozzles eliminating the need to change them as the altitude changes.
- **Twin heater units**, producing a maximum of 1,000,000 combined BTUs, may be operated independently depending on heating requirements. Standard 16 inch heater outlet flanges and optional flexible ducting provide a wide variety of heat distribution options.
- **CAT or optional Isuzu liquid-cooled 1800-rpm diesel engine** with 9 kW transformer-regulated generator provides power to operate heater blowers and safety systems.



Brighter. Warmer. Safer.

Reliability, Performance and Integrity Since 1938

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SPECIFICATIONS

| | | |
|---|---|--|
| Engine | Caterpillar C1.5 T4F liquid-cooled diesel (standard) | |
| | Isuzu 3CE 1.6L liquid-cooled diesel (optional) | |
| | Low oil pressure / high temperature automatic shutdown | |
| Generator <small>*Electrical output provided by Allmand testing</small> | 60 Hz, 9 kW single-phase | |
| Starting | 12 volt electric - Group 8D battery | Glow plugs (CAT) |
| | Engine block heater | Intake air heater (Isuzu) |
| Fuel Capacity | 175 gal double-wall single-cell metal fuel tank <small>Will operate approximately 20 hrs without refueling at full load with both burners running.</small> | |
| Heater | (2) MCS500iQ indirect-fired twin heating units | |
| | Up to 500,000 BTU/hr each | |
| | 1-16 in. duct flange per heater | |
| | Optional flexible ducting easily connects to heater output flanges | |
| | 2.3" wc static pressure allows use of 110 ft. (33.5 m) of 16 in. ducting | |
| | Electronically-controlled temperature | |
| | Easy-clean combustion chamber | |
| | (2) automatic nozzles | |
| | iQ controls environmental temperature/pressure and suggests correct burner settings | |
| Heated Air Output | 6,200 CFM total with no ducting | |
| Temperature Rise | 185° F (85° C) | |
| Trailer | Fluid containment system | Safety chains |
| | Formed, welded steel frame | Front screw jack |
| | Adjustable height combination 2 ^{5/16} in. Bulldog, 3 in. pintle towing hitch | Hour meter |
| | Heavy-gauge steel enclosure | Interior compartment light |
| | Lockable access doors | Stop/turn/tail lights |
| | 6,000 lbs. (2,722 kg) leaf spring axle | Electric brakes |
| Dimensions | Height: 87.3" (2.22 m) | |
| | Length: 193.3" (4.91 m) | |
| | Width: 80" (2.03 m) | |
| | 16 in. (40.6 cm) wheels and tires | |
| Weight | Dry: 3,675 lbs. (1,667 kg) Wet: 6,000 lbs. (2,722 kg) | |
| Options | Fabric-elastometer ducting 16 in. x 20 ft. | Remote thermostat |
| | Fabric-elastometer ducting 12 in. x 24 ft. | 16 in. slip lock duct connectors / bands |
| | CSA/Transport Canada Package | Duct storage box |
| | 12 in. or 20 in. dual duct outlet end cap | Emergency air shutoff valve |