

MAXI-HEAT®

MH500iQ™



STANDARD FEATURES

- **NEW 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 the them as the altitude changes
- **250 gallon fuel capacity** provides over 30 hours of continuous operation without refueling
- **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
- **Combustible gas detection system** (optional) powers down unit and operates visual strobe alarm before gas accumulation approaches potentially explosive levels

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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	250 gallons (946.35 L): 2-100 gallon (378.5L) tanks for each heater and 1-50 gallon (189.3L) tank	
Operating Time	Approximately 30 hrs without refueling	
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	
	NEW electronically-controlled temperature	
	NEW easy-clean combustion chamber	
	NEW (2) automatic nozzles	
NEW iQ controls environmental temperature/pressure and suggests correct burner settings		
Heated Air Output	6,200 CFM total with no ducting	
Temperature Rise	205° F (96° C)	
Trailer	Formed, welded steel frame	Safety chains
	Adjustable height combination 2 ^{5/16} in. Bulldog, 3 in. pintle towing hitch	Front screw jack
	Heavy-gauge steel enclosure	Hour meter
	Lockable access doors	Interior compartment light
	5,000 lbs. (2,268 kg) leaf spring axle	Stop/turn/tail lights
	15 in. (38.1 cm) wheels and tires	
Dimensions	Height: 87.3"(2.22 m)	
	Length: 193.3"(4.91 m)	
	Width: 80" (2.03 m)	
Weight	Dry: 3,550 lbs. (1,610 kg) Wet: 5,645 lbs. (2,560 kg)	
Options	Fabric-elastomer ducting 16 in. x 20 ft.	Remote thermostat
	Fabric-elastomer ducting 12 in. x 24 ft.	Electric brakes
	CSA/Transport Canada Package (req. electric brakes)	16 in. slip lock duct connectors / bands
	12 in. dual duct outlet end cap	Duct storage box
	20 in. dual duct outlet end cap	Emergency air shutoff valve
	175 gal double-wall single-cell metal fuel tank (Canada / CSA only)	
	191 gal single cell metal fuel tank	Combustible gas detection and shutdown system

