**Hydronic Air Heater** 

## **Pureheat**

# Bringing clean, dry heat to the job site

>>> The Pureheat hydronic air heater provides temporary heat for large buildings, removes excess moisture from the workspace, and saves up to 50% of the fuel over traditional methods. With accessories, such as hose handling systems, this portable unit can also be used to cure concrete, thaw frozen ground and prevent frost. The Pureheat offers simple operation. ((

# HEA



## ADDITIONAL ADVANTAGES:

- The Pureheat has no open flame for added safety in the work space and dependable with no flame blowout in high wind conditions.
- **Unit features 83% heater efficiency** with 860,000 Btu/hr input.
- **Flexible fuel choice.** Burners available in three options: diesel, natural gas or propane.
- The on-board hose connection manifolds are conveniently located for easy access on the trailer. Connect and disconnect hoses with ease using Pureheat's simple, heavy-duty quick-connect fittings.
- **Powerful liquid-to-air heat exchangers** bring clean, dry heat to your workspace. Three models are available: HX50 (50,000 Btu/hr), HX100 (100,000 Btu/hr), and HX200 (200,000 Btu/hr).
- Store and transport all system hoses inside the trailer on the heavy-duty self-contained hose reel with electric rewind, clutch and brake.



Dimensions (L x W x H)         in (mm)         172 x 93 x 93 (4400 x 2400 x 2400 x 2400 x           Ground Clearance         in (mm)         9 (229)           Weight w/o fuel tank         Ibs (kg)         7155 (3245)           Weight w/o fuel*         Ibs (kg)         8185 (3713)           Weight with fuel*         Ibs (kg)         1,230 (5094)           Optional diesel fuel capacities         gal (l)         175 or 435 (662 or 1647)           Heat transfer fluid         gal (l)         145 (549)           Pump         hp (kW)         1.5 (1.1) centrifugal           Hose reel         1         1000 (300) total = 4 x 50 (15) + 8 x 100 (30)           Hose reel         1         120V AC, with DC clutch           Circulation loops         up to 20         1           Tirres         LT235/85R16         1           Hitch         standard         1           N2Series Heat Xchangers (choose one set) or or or buffunt 1315 ofm) of by 8         diseel, natural gas or propane           Fuel, output         Btu (kW) / hr         680,000 (252)         1           Fuel options         diseel, natural gas or propane         1           Fuel, output         Btu (kW) / hr         714,000 (209) <td< th=""><th>Technical Data</th><th></th><th>Pureheat</th></td<>	Technical Data		Pureheat
Weight w/o fuel tank         Ibs (kg)         7155 (3245)           Weight w/o fuel*         Ibs (kg)         7155 (3245)           Weight w/o fuel*         Ibs (kg)         8185 (3713)           Weight with fuel*         Ibs (kg)         11,230 (5094)           Optional diesel fuel capacities         gal ()         175 or 435 (662 or 1647)           Heat transfer fluid         gal ()         145 (549)           Pump         hp (kW)         1.5 (1.1) centrifugal           Hose         ft (m)         1000 (300) total = 4 x 50 (15) + 8 x 100 (30)           Hose reel         1         1           Hose rewind         120V AC, with DC clutch           Circulation loops         Ur 20 20           Tirres         LT232/85R16           Hitch         pintle           Loading Ramp         1           Lifting bar         standard           HX-Series Heat Xchangers (choose one set)         fX50 (50,000 Btu/hr, 710 cfm)         qty 8           or         HX200 (200,000 Btu/hr, 2400 cfm)         qty 8           or         HX200 (200,000 Btu/hr, 710 cfm)         qty 8           or         Btu (kW) / hr         860,000 (252)           Fuel options         diesel, natural gas or propane           Fuel, in	Dimensions (L x W x H)	in (mm)	172 x 93 x 93 (4400 x 2400 x 2400)
Weight w/o fuel*         Ibs (kg)         8185 (3713)           Weight with fuel*         Ibs (kg)         11,230 (5094)           Optional diesel fuel capacities         gal (l)         175 or 435 (662 or 1647)           Heat transfer fluid         gal (l)         145 (549)           Pump         hp (kW)         1.5 (1.1) centrifugal           Hose real         ft (m)         1000 (300) total = 4 x 50 (15) + 8 x 100 (30)           Hose reel         1         1           Hose reel         1         1           Circulation loops         up to 20         1           Tires         LT235/85R16         1           Hitch         pintle         1           Loading Ramp         1         1           Lifting bar         standard         1           HX-Series Heat Xchangers (choose one set) or (100,000 Btu/hr, 710 cfm) or HX100 (200,000 Btu/hr, 2400 cfm) dty 8         4y 8           or or HX200 (200,000 Btu/hr, 710 cfm) or HX100 (209)         gty 8         50           Fuel options         diesel, natural gas or propane         50           Fuel, input         Btu (kW) / hr         80,000 (252)         50           Fuel, output         Btu (kW) / hr         714,000 (209)         61           Run time (at full loa	Ground Clearance	in (mm)	9 (229)
Weight with fuel*         Ibs (kg)         11,230 (5094)           Optional diesel fuel capacities         gal ()         175 or 435 (662 or 1647)           Heat transfer fluid         gal ()         145 (549)           Pump         hp (kW)         1.5 (1.1) centrifugal           Hose         ft (m)         1000 (300) total = 4 x 50 (15) + 8 x 100 (30)           Hose reel         1         1           Hose rewind         120V AC, with DC clutch         Circulation loops           Circulation loops         up to 20         1           Tires         LIT235/85R16         1           Lifting bar         pintle         1           Loading Ramp         1         1           Lifting bar         standard           HX-Series Heat Xchangers (choose one set)         HX50 (50,000 Btu/hr, 710 cfm) or HX100 (100,000 Btu/hr, 1315 cfm) or HX200 (200,000 Btu/hr, 1315 cfm) or HX200 (200,000 Btu/hr, 2400 cfm) or HX200 (200,000 Btu/hr, 2400 cfm) or HX200 (200,000 (252)           Fuel, input         Btu (kW) / hr         860,000 (252)           Fuel, output         Btu (kW) / hr         90 or 1           Heater efficiency         %         83           Temperature controller         digital           Fuel consumption at full load:         Propane NB (Propane SPR) (h(rn) S4 (35.6) (A00) (A00) S	Weight w/o fuel tank	lbs (kg)	7155 (3245)
Optional diesel fuel capacities         gal (i)         175 or 435 (662 or 1647)           Heat transfer fluid         gal (i)         145 (549)           Pump         hp (kW)         1.5 (1.1) centrifugal           Hose         ft (m)         1000 (300) total = 4 x 50 (15) + 8 x 100 (30)           Hose reel         1         1           Hose rewind         120V AC, with DC clutch         1           Circulation loops         up to 20         1           Tirres         LT235/85R16         1           Hitch         pintle         1           Loading Ramp         1         1           Lifting bar         standard         4X100 (100,000 Btu/hr, 710 cfm)         qty 16           or         HX50 (50,000 Btu/hr, 710 cfm)         qty 4         4X200 (200,000 Btu/hr, 710 cfm)         qty 4           Performance	Weight w/o fuel*	lbs (kg)	8185 (3713)
Heat transfer fluid         gal (I)         145 (549)           Pump         hp (kW)         1.5 (1.1) centrifugal           Hose         ft (m)         1000 (300) total = 4 x 50 (15) + 8 x 100 (30)           Hose reel         1         1           Hose rewind         120V AC, with DC clutch           Circulation loops         up to 20           Tires         LT235/85R16           Hitch         pintle           Loading Ramp         1           Lifting bar         standard           HX-Series Heat Xchangers (choose one set)         HX50 (50,000 Btu/hr, 710 cfm)         qty 16           or         standard         qty 8         qty 8           or         disel, natural gas or propane         Fuel, input         Btu (kW) / hr         860,000 (252)           Fuel, output         Btu (kW) / hr         r14,000 (209)         Run time (at full load)         hr         up to 71           Heater efficiency         %         83         Temperature controller         digital           Fuel consumption at full load:         Propane gph (/hr)         9.4 (35.6)         As(406)           Diesel         gph (/hr)         6.4 (26.2)         Electrical requirement         1.1 (5ampt, 1- 20amp x 120v AC	Weight with fuel*	lbs (kg)	11,230 (5094)
Pump         hp (kW)         1.5 (1.1) centrifugal           Hose         ft (m)         1000 (300) total = 4 x 50 (15) + 8 x 100 (30)           Hose reel         1           Hose rewind         120V AC, with DC clutch           Circulation loops         up to 20           Tires         LT235/85R16           Hitch         pintle           Loading Ramp         1           Lifting bar         standard           HX-Series Heat Xchangers (choose one set)         HX50 (50,000 Btu/hr, 710 cfm)         qty 16           or         HX200 (200,000 Btu/hr, 1315 cfm)         qty 8           or         HX200 (200,000 Btu/hr, 1315 cfm)         qty 4           Performance         Euel (kW) / hr         860,000 (252)           Fuel, input         Btu (kW) / hr         714,000 (209)           Run time (at full load)         hr         up to 71           Heater efficiency         %         83           Temperature controller         digital           Fuel consumption at full load:         Propane gph (/hr)         84 (35.6)           Natural Gas         gfh (/hrin)         860 (406)           Diesel         gh (/hr)         860 (406)           Diesel         gh (/hr)         8.1 (32.2)     <	Optional diesel fuel capacities	gal (I)	175 or 435 (662 or 1647)
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Hose reel       1         Hose rewind       120V AC, with DC clutch         Circulation loops       up to 20         Tires       LT235/85R16         Hitch       pintle         Loading Ramp       1         Lifting bar       standard         HX-Series Heat Xchangers (choose one set)       HX50 (50,000 Btu/hr, 710 cfm)       qty 16         or       HX100 (100,000 Btu/hr, 1315 cfm)       qty 4         Performance       gth (XW) / hr       860,000 (252)         Fuel options       diesel, natural gas or propane         Fuel, input       Btu (kW) / hr       714,000 (209)         Run time (at full load)       hr       up to 71         Heater efficiency       %       83         Temperature controller       digital         Fuel consumption at full load:       Propane Natural Gas offi (//min)       gfn (//nin)         Btectrical requirement       1.01 (Mrin)       860 (406)         Diesel       gph (//hr)       6.1 (23.2)         Electrical requirement       1.02 (Mrin)       860 (406)	Pump	hp (kW)	1.5 (1.1) centrifugal
Hose rewind120V AC, with DC clutchCirculation loopsup to 20TiresLT235/85R16HitchpintleLoading Ramp1Lifting barstandardHX-Series Heat Xchangers (choose one set)HX50 (50,000 Btu/hr, 710 cfm)qty 16orHX100 (100,000 Btu/hr, 710 cfm)qty 4PerformanceHX200 (200,000 Btu/hr, 2400 cfm)qty 4Fuel optionsdiesel, natural gas or propaneFuel, inputBtu (kW) / hr860,000 (252)Fuel, outputBtu (kW) / hr714,000 (209)Run time (at full load)hrup to 71Heater efficiency%83Temperature controllerdigitalFuel consumption at full load:Propane Matural Gas of ph (/hr)9.4 (35.6) Matural Gas of ph (/hr)Fuel consumption at full load:Propane Matural Gas of ph (/hr)9.4 (35.6) 	Hose	ft (m)	1000 (300) total = 4 x 50 (15) + 8 x 100 (30)
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Lifting barstandardHX-Series Heat Xchangers (choose one set) orHX50 (50,000 Btu/hr, 710 cfm) HX100 (100,000 Btu/hr, 1315 cfm) qty 16 qty 8 qty 4PerformanceFuel optionsdiesel, natural gas or propaneFuel, inputBtu (kW) / hr860,000 (252)Fuel, outputBtu (kW) / hr714,000 (209)Run time (at full load)hrHeater efficiency%83Temperature controllerdigitalFuel consumption at full load:Propane Natural Gas piselPiselropane gph (l/hr)Btectrical requirement1 - 15amp, 1 - 20amp x 120v AC	Hitch		pintle
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or HX100 (100,000 Btu/hr, 1315 cfm) qty 8 or HX200 (200,000 Btu/hr, 2400 cfm) qty 4 Performance Fuel options diesel, natural gas or propane Fuel, input Btu (kW) / hr 860,000 (252) Fuel, output Btu (kW) / hr 714,000 (209) Run time (at full load) hr up to 71 Heater efficiency % 83 Temperature controller digital Fuel consumption at full load: Propane gph (l/hr) 9.4 (35.6) Natural Gas cfh (l/min) 860 (406) Diesel gph (l/hr) 6.1 (23.2) Electrical requirement 1 - 15amp, 1 - 20amp x 120v AC	Lifting bar		standard
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Performance       diesel, natural gas or propane         Fuel options       diesel, natural gas or propane         Fuel, input       Btu (kW) / hr       860,000 (252)         Fuel, output       Btu (kW) / hr       714,000 (209)         Run time (at full load)       hr       up to 71         Heater efficiency       %       83         Temperature controller       digital         Fuel consumption at full load:       Propane Natural Gas Diesel       gph (l/hr) gph (l/hr)       9.4 (35.6) (32.2)         Electrical requirement       1 - 15amp, 1 - 20amp x 120v AC			
Fuel optionsdiesel, natural gas or propaneFuel, inputBtu (kW) / hr860,000 (252)Fuel, outputBtu (kW) / hr714,000 (209)Run time (at full load)hrup to 71Heater efficiency%83Temperature controller//digitalFuel consumption at full load:Propane Natural Gas Dieselgph (l/hr) gph (l/hr)9.4 (35.6) 860 (406) DieselElectrical requirement1 - 15amp, 1 - 20amp x 120v AC		HX200 (200,000 Btd/11, 2400 Citi	ı) qıy 4
Fuel, inputBtu (kW) / hr860,000 (252)Fuel, outputBtu (kW) / hr714,000 (209)Run time (at full load)hrup to 71Heater efficiency%83Temperature controllerdigitalFuel consumption at full load:Propane Natural Gas Dieselgph (l/hr) gph (l/hr)Electrical requirement1 - 15amp, 1 - 20amp x 120v AC			
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Run time (at full load)hrup to 71Heater efficiency%83Temperature controllerdigitalFuel consumption at full load:Propane Natural Gas Dieselgph (l/hr)9.4 (35.6) Natural Gas Diesel9.4 (35.6) (1/min)Electrical requirement1 - 15amp, 1 - 20amp x 120v AC			
Heater efficiency     %     83       Temperature controller     digital       Fuel consumption at full load:     Propane gph (l/hr) 9.4 (35.6) Natural Gas cfh (l/min) 860 (406) Diesel gph (l/hr) 6.1 (23.2)       Electrical requirement     1 - 15amp, 1 - 20amp x 120v AC			
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Fuel consumption at full load:     Propane     gph (l/hr)     9.4 (35.6)       Natural Gas     cfh (l/min)     860 (406)       Diesel     gph (l/hr)     6.1 (23.2)	-	%	
Natural GasCfh (l/min)860 (406)Dieselgph (l/hr)6.1 (23.2)Electrical requirement1 - 15amp, 1 - 20amp x 120v AC			5
Dieselgph (l/hr)6.1 (23.2)Electrical requirement1 - 15amp, 1 - 20amp x 120v AC	Fuel consumption at full load:		
Electrical requirement   1 - 15amp, 1 - 20amp x 120v AC			
	Electrical requirement		
Normal operating temperature F (C) 100° - 180° (37.8° - 82.2°)		F (C)	
HTF flow rate gph (l/hr) 2700 (10,221)			
*with optional 435-gallon fuel tank	*with optional 435-gallon fuel tank		

### Standard Package

Hydronic Air Heater Pureheat Includes base unit, hoses, burner, ramp, manifold, brackets and operator's manual.

Please refer to our Price List and Ordering Guide for complete accessory information.



