

2015-2016

Industrial and Commercial

# Heater Catalog



1-888-777-2700 | [hertzequip.com](http://hertzequip.com)

**Hertz**  
Equipment  
Rental®



# ABOUT US

## Hertz Equipment Rental Corporation

Since our founding in 1965, it's been said "we trained the industry." We pride ourselves in featuring quality equipment from the industry's most trusted brands, coupled with the gold standard in customer service. For any of your rental needs, we're **READY TO HELP**. Our fleet mix is one of the most diverse in the industry with a product line up that includes **HEATERS**, in addition to:

- Aerial
- Climate Control
- Compaction
- Compressors
- Concrete
- Earthmoving
- Floor Prep and Care
- Generators
- Industrial Trade Tools
- Light Towers
- Masonry
- Material Handling
- Paving
- Pipe Bending and Threading
- Pro Contractor Tools
- Pumps
- Restoration and Remediation
- Safety and PPE
- Snow Removal
- Supplies
- Temporary Heat
- Temporary Power
- Trucks and Trailers
- Welders

## Operating Hours and Contact Information

We're open Monday through Friday from 7:00 a.m. to 5:00 p.m. with 24/7 after-hours emergency service available. Check your local branch for evening and weekend hours. To find the branch near you, call 1-888-777-2700 or visit [hertzequip.com](http://hertzequip.com). A knowledgeable member of the Hertz Equipment Rental team will assist you with quotes and rental reservations.



### Safety First

Safe operation of our rental equipment is a top priority. **SAFETY FIRST. SAFETY ALWAYS.**

We offer Equipment Safe Operation Training with top-notch instructors for many of the equipment categories we rent. All courses include hands on practical training and evaluation. Upon successful course completion, you'll be issued a wallet card and certificate for the following operator certification courses:

- Aerial (Scissor, Boom, Manually Propelled AWP)
- Forklift Class I, IV, V
- Variable Reach & Straight Mast Forklift Class VII

Training is available at your local branch or we can come to your job site



### Transportation Services

Hertz Equipment Rental has one of the largest equipment delivery and service fleets in North America. Utilizing our special delivery fleet, we ensure your equipment arrives safely and on time.



### Rental Protection Plan (RPP)

Hertz Equipment Rental provides peace of mind with the RPP covering accidental damage or theft of equipment during the rental period. It can also be used to supplement your Certificate of Insurance (COI).

Hertz Equipment Rental will limit your liability to a deductible of \$500 per item or 10% of the repair cost, whichever is less.



### Rental Terms

Hertz Equipment Rental provides daily, weekly, monthly and long-term rentals. Acceptable forms of payment are checks and major credit cards, or if you're a frequent customer, we invite you to open a commercial account with us.

Please note: two forms of identification are required from all customers that do not have a commercial account, preferably a valid driver's license and a major credit card.

For your convenience, a credit application can be found on page 17, or you can complete one online at [hertzequip.com](http://hertzequip.com). Once completed you can drop your application off at your local branch, e-mail it to [herc\\_credit@hertz.com](mailto:herc_credit@hertz.com) or e-fax it to us at 1-405-979-3940.



### Refueling and Cleaning Services

All equipment is delivered clean and with a full tank of fuel and if returned in the same condition, no charges apply. For your convenience upon return, we offer cleaning and refueling services.

**REFUELING:** Customer must refuel to starting level prior to return; or, refuel upon return. Fees will be based on gallons used. Refueling rates include costs for fuel tanks, maintenance and labor.

**CLEANING:** Equipment must be cleaned prior to return; if not returned clean, fees will be assessed to bring equipment to rental-ready condition. Cleaning rates include costs for labor and materials.

**NEED HEAT?** From small portable electric heaters to specialized configurations designed to heat large construction projects, we've got you covered. Please reference the application guide below to determine the heater that is best suited to your project needs.

## Portable Electric



### Advantages

- 100% clean, dry heat - no moisture added to air
- No exhaust - can be used in confined spaces
- No need for gas line or propane
- Quiet operation

### Applications

- Temporary heating for contractors and special events
- Emergency situations - heat loss, thawing of frozen pipes

### Capacity

- 1.6 kW / 10 kW / 15 kW / 20 kW  
30 kW / 60 kW / 150 kW units available

## Indirect Fired



### Advantages

- 100% clean, dry heat with no open flame
- Exhaust vented outside for use in confined spaces
- Heavy-duty pneumatic tires and slim design for easy site mobility and transportation
- Flexible fuel options: oil, diesel, propane (LP), natural gas (NG), or dual fuel (LP/NG)

### Applications

- Safe for use around people and animals
- Emergency situations: heating system is under repair or drying applications
- Special events: ducting allows units to be placed outside and away from tents or temporary structures with warm air ducted into interior areas

### Capacity

- 200,000 BTU / 390,000 BTU  
750,000 BTU units available

## Self-Contained



### Advantages

- Powerful - provides clean, safe, reliable air
- Patented heat exchangers drive higher efficiency
- Ducting long distances with minimal loss of pressure or temperature
- Push-button controls make units easy to use
- Flameless options are also available

### Applications

- Oil and Gas: heating frozen equipment
- Mining: keeps personnel working comfortably
- Energy: prevents outages by keeping equipment at appropriate operating temperatures
- Construction: keeps crews productive, projects on schedule and profitable
- Agriculture: reduces risk of spread of disease

### Capacity

- 800,000 BTU / 1,200,000 BTU  
2,500,000 BTU / 4,200,000 BTU units available

## Direct Fired



### Advantages

- Kerosene and propane forced air heaters are portable and easy to operate
- Extends heat into wide areas for a comfortable work environment in the harshest conditions

### Applications

- For use in farms, workshops, warehouses, garages and construction sites with proper ventilation

### Capacity

- 75,000 BTU / 135,000 BTU  
150,000 BTU / 190,000 BTU  
225,000 - 375,000 BTU  
400,000 BTU units available

## Hydronic Surface



### Advantages

- Long run times, maximized efficiency
- Closed-loop system: moves heated fluid vertically or sideways
- On-board fuel heater: adds 4% fuel savings with optimal fuel burn temp, assists boiler at high altitudes, prevents gelling in extreme cold weather
- Built in spill containment and safety sensors shuts down the equipment during a spill

### Applications

- Ground thawing
- Cold weather concrete warming/curing
- Pre-pour warming
- Ground frost prevention
- Multi-zone layout: uses one zone for smaller jobs. Multiple zones create higher return temps for a quicker more-effective thaw
- Other heat applications for extreme cold

### Capacity

- 203,000 BTU / 280,000 BTU  
385,000 BTU units available

## HVAC Hybrid



### Advantages

- 100% return air, 100% outside air or blended
- Variable air volume up to 8,000 CFM / 20,000 CFM
- Multi-stage heating up to 72 kW / 136 kW

### Applications

- Temporary heating and cooling operation for contractors and special events
- Temporary dehumidification for emergency recovery

### Capacity

- 20 ton: 240,000 BTU
- 60 ton: 720,000 BTU

**PORTABLE ELECTRIC HEATERS** provide safe, fast, dry, odorless heat for enclosed spaces. Available in ranges from 1.6 kW to 60 kW

- Ideal for job sites or offices, where 100% dry heat and flameless operations are required
- Works well in confined spaces and can be ducted for setting up the unit in a separate area to reduce operational noise
- Applications include circulating heated air, thawing frozen pipes, or drying processes

## DeWalt | 1.6 kW



### Features:

- No monitoring required, can be operated unattended
- No fumes or open flames
- Includes an adjustable thermostat

## DeWalt | 7 kW / 10 kW



### Features:

- Thermostatically controlled two-stage operation
- Dual output can run at 10kW or 7 kW
- Electric-forced air single-phase heater for industrial and commercial usage

## DeWalt | 13 kW / 20 kW



### Features:

- Two-stage operation connects to 60A or 100A breakers
- 100A service for high/low heat outputs
- Fan-only setting for circulating air
- Designed and certified as an unattended source of jobsite heat

## ALL UNITS PROVIDE DRY HEAT DOES NOT ADD MOISTURE TO ENVIRONMENT

## Patron | E9



### Features:

- For heating, drying, and ventilating
- Integrated ambient thermostat from 32°F - 100°F
- Fast, high temperature rise
- Works on 208V
- Plugs directly into a standard stove outlet

## Fostoria | Salamander 15 kW



### Features:

- Safety screens on both air intake and output openings
- Thermostat adjustment 40° to 100° F
- High limit thermal cutout switch / automatic reset

## Flagro | FLE-60



### Features:

- Ductible
- Inlet and outlet guards
- Extremely quiet
- High outlet air velocity
- Highly mobile and easy to store

Make	Model	Capacity	BTU	Heating Area*	CFM	Voltage	Phase	Amp Rating	Weight	Cat-Class
DeWalt	DXH165	1.6 kW	5,630	50 sq ft	135	115V	1P	13.5A	14 lbs	715-0010
DeWalt	DXH1000TS	7 kW 10 kW	23,884 34,121	300 sq ft 500 sq ft	350	240V	1P	30A 50A	35 lbs	715-0030
Patron	E9	9 kW	30,700	500 sq ft	350	230V	1P	37.5A	39 lbs	715-0030
DeWalt	DXH2000TS	13 kW 20 kW	44,357 68,242	800 sq ft 1,300 sq ft	661	240V	1P	60A 100A	45 lbs	715-0050
Fostoria	FES-1524-1A	15 kW	51,195	900 sq ft	800	240V	1P	63A	69 lbs	715-0040
Flagro	FLE-60	60 kW	205,000	4,800 sq ft	3,300	480V	NA	NA	290 lbs	715-0070

\*Heating area is an approximation based on an 8 ft ceiling, 40° temperature rise, and loosely sealed building.



## Phoenix | FireBird Compact 20

The FireBird Compact 20 portable electric heat drying system features multiple-power receptacles for connection to common 120VAC outlets. The Compact 20 can output up to 20,000 BTUs of clean, safe, dry heat at 250 CFM. The Compact 20's remote thermostat provides a means to control the temperature in the drying chamber, while its internal temperature cutout ensures safe operation.

At maximum heat (4-12 Amp Circuits @ 5,000 BTUs each), the FireBird produces 20,000 BTUs, 250 CFM with a 70°F temperature rise.

### Features:

- Compact size, lightweight
- Automatic internal 140°F safety thermal cutout
- Phoenix thermostat with 25' connecting wire
- Stackable for easy storage and transportation
- Multiple heating, ducting, and electrical options for on-demand heating from inside or outside the drying space

**DRY HEAT**



## Chromalox | Super Dragon Blower Heater



### Features:

- Available in 30 kW or 60 kW
- Fan-only switch for recirculating room air, supplying fresh air source or capturing exhaust fumes
- Two thermostats to set maximum inlet and outlet temperatures
- Easy mobility



Make	Model	Capacity	BTU	Heating Area*	CFM	Voltage	Phase	Amp Rating	Weight	Cat-Class
Phoenix	Compact 20	5 kW - 20 kW	20,000	300 sq ft	250	120V	1P	12A-48A	35 lbs	715-0020
Chromalox	SDRA-30-43	30 kW	102,360	2,200 sq ft	2,700	480V	3P	37.2A	150 lbs	715-0060
Chromalox	SDRA-60-43	60 kW	204,720	4,800 sq ft	2,700	480V	3P	73.3A	170 lbs	715-0070

\*Heating area is an approximation based on an 8 ft ceiling, 40° temperature rise, and loosely sealed building.

## PORTABLE INDIRECT FIRED HEATERS

operate like a mobile furnace with a fan forcing air over a heat exchanger where internal combustion occurs and fumes are exhausted through a stack

- Provides safe, clean heated air
- Typically installed outside with warm air ducted to interior areas to be heated
- Choice of heating oil, diesel, propane, natural gas, dual propane/natural gas
- Despite onboard or external fuel tanks, units also require a power source

### Flagro | FVO-200



- Thermostatically controlled
- Heavy-duty pneumatic tires and swivel lockable casters
- Stackable for storage with built-in fuel tank

### Flagro | FVO-400



- Steel lifting point
- Heavy-duty pneumatic tires
- Slim design for easy site mobility and transportation
- Built-in 42 gallon fuel tank

### Flagro | FVNP-400



- Steel lifting point
- Heavy-duty pneumatic tires
- Slim design for easy site mobility and transportation
- Dual fuel options available

### Flagro | FVNP-750



- Standard 208V - 1 PH or 230V - 3PH
- Dual fuel, simply change from LP to NG in seconds
- VFD (variable-frequency drive) for soft start
- Skid base with four (4) sided fork pockets

Make	Model	Type	BTU	Heating Area*	CFM/SP	Fuel Tank	Consumption	Run Time**	Voltage	Weight	Cat-Class
Flagro	FVO-200	Diesel/K1	200,000	4,700 sq ft	1,500/NA	23	1.5 gal/hr	15 hrs	115V	330 lbs	715-0610
Flagro	FVO-400	Diesel/K1	390,000	10,000 sq ft	2,500/NA	42	2.75 gal/hr	14 hrs	115V	450 lbs	715-0620
Flagro	FVNP-400	LP/NG	390,000	10,000 sq ft	2,500/2"	external	4.26 gal/hr (LP)	5.4 hrs	115V	365 lbs	715-0630
Flagro	FVNP-750	LP	750,000	20,000 sq ft	7,000/1.5"	external	37 lbs/hr (LP)	.62 hrs	230V	1,390 lbs	715-0640
		NG	750,000	20,000 sq ft	7,000/2.20"	external	800 cfh (NG)	n/a	230V	1,390 lbs	715-0640

\*Heating area is an approximation based on an 8 ft ceiling, 40° temperature rise, and loosely sealed building.

\*\* Run time is calculated using onboard or 100 lb propane tank. Larger or additional tanks can be used for longer run times.

# INDIRECT FIRED

## Wacker Neuson | HI 200



- Extended run time fuel tanks
- Control panel offers convenient side outlet for attaching remote thermostat
- Low temperature rating to -4° F (-20° C) on standard models

## Wacker Neuson | HI 400



- Can handle various heating and drying applications at over 85% efficiency due to dedicated 2nd blower for combustion; one of the highest in the industry

Make	Model	Type	BTU	Heating Area*	CFM/SP	Fuel Tank	Consumption	Run Time**	Voltage	Weight	Cat-Class
Wacker	HI 200	Diesel	204,873	4,800 sq ft	1,530/.5"	27 gal	1.5 gal/hr	18 hrs	120V	240 lbs	715-0610
Wacker	HI 400HD	Diesel	408,596	10,500 sq ft	3,760/.5"	57 gal	2.9 gal/hr	19 hrs	120V	456 lbs	715-0620

\* Heating area is an approximation based on an 8 ft ceiling, 40° temperature rise, and loosely sealed building.

\*\* Run time is calculated using onboard or 100 lb propane tank. Larger or additional tanks can be used for longer run times.



# INLINE HEATERS

**INLINE HEATERS** provide additional heat when coupled with an existing air conditioner, desiccant dryer or inline blower for air movement.

- Great for temporary heating applications via a ducted system
- Portable four-way forklift base
- Includes main breaker, individual load toggle switches, Camloc Power connections



### Features:

- 30 kW and 60 kW models provide two stage heat, while the 150 kW model has four stage
- Built-in thermostat controls the unit heat stages for the desired operation
- Units designed for ducted applications using a blower from another unit



### Recommended Accessory:

- PILB5 inline blower
- 5,000 CFM

Make	Model	Capacity	BTU	Voltage	Phase	Amp Rating	L/W/H (in)	Weight	Cat-Class
United Cool Air	PIH30	30 kW	102,360	220V / 460V	3P	42.4A / 88.6A	42 x 34 x 48	410 lbs	715-0210
United Cool Air	PIH60	60 kW	204,720	220V / 460V	3P	81.9A / 170.6A	53 x 34 x 48	520 lbs	715-0220
United Cool Air	PIH150	150 kW	511,800	460V	3P	203.9A	65 x 34 x 48	820 lbs	715-0230



## Wacker Neuson | HI 770XHD



- Designed to run 24/7 in extreme environments to -60° F (-51° C)
- Spill containment feature assures no diesel fuel, engine oil or coolant will contaminate the site
- Machines are CSA certified
- Heavy-duty fork pockets designed for easy load and unload for greater job-site mobility
- Unique Recircul-Air design allows adjustable recirculation of warm inside air, resulting in huge fuel savings and even temperatures



Make	Model	Type	BTU	CFM/SP	Fuel Tank	Consumption	Run Time	L/W/H (in)	Weight	Cat-Class
Wacker	770XHD	Diesel	770,000	4,000/4"	235	5.5 gal/hr	43 hrs	187 x 94 x 88	5,700	715-0810



**SELF-CONTAINED INDIRECT HEATERS**

utilize a stainless steel heat exchange to provide clean, safe, and reliable air flow capable of ducting long distances with minimal loss of air pressure or outlet temperature

- Environmentally friendly: 110% spill containment
- Ideal for use in construction areas, small to large structure heating, concrete curing work, equipment thawing, and moisture control

**MAC | 800G**



**MAC | 1.2G**



**Each Unit Features:**

- Temperature rise up to 180° F (82° C)
- Capable of duct running long distances with minimal loss of air pressure or outlet temperature
- Portable from site to site / forklift tubes / oil field skid
- Proven indirect fired design on the 1.2G, 2.5ES, 4.2ES units
- Made in the U.S.A.

**MAC | 2.5ES**



**MAC | 4.2ES**



Make	Model	Type	BTU	CFM/SP	Fuel Tank	Consumption	Run Time	L/W/H (in)	Weight	Cat-Class
MAC	800G	Diesel	800,000	3,900/3"	175	5.7 gal/hr	31 hrs	186 x 72 x 87	4,620 lbs	715-0810
MAC	1.2G	Diesel	1,200,000	6,500/3"	270	8.6 gal/hr	31 hrs	252 x 96 x 103	7,000 lbs	715-0820
MAC	2.5ES	Diesel	2,500,000	12,000/3"	130	17.9 gal/hr	7.3 hrs	249 x 101 x 95	9,000 lbs	715-0830
MAC	4.2ES	Diesel	4,200,000	21,000/3"	130	30 gal/hr	4.3 hrs	289 x 102 x 118	14,000 lbs	715-0840

# DIRECT FIRED



**DIRECT FIRED PORTABLE HEATERS** are portable and generally used in farms, warehouses, garages and construction sites with proper ventilation.

- Kerosene and propane forced air heaters are portable and easy to operate
- Extends heat into wide areas for a comfortable work environment in the harshest conditions

Mi-T-M | 135



Mi-T-M | 190



Mi-T-M | 400



### Each Unit Features:

- Powder-coated steel handles for easy lifting
- Spare parts storage system (located on back of unit)
- Fuel drain plug
- Heavy-duty, high-quality cast aluminum enclosed electric motor
- Integral overheat and flame-out safety
- Sure-start ignition for cold temperature starts
- Dual-connector ignitor
- Rugged and easy to use
- Must be plugged into an approved standard electrical outlet

Mi-T-M | 150



Mi-T-M | 375



Make	Model	Type	BTU	CFM	Heating Area*	Fuel Tank	Consumption	Run Time	Weight	Cat-Class
Mi-T-M	MH-0075-0M10	Kerosene	75,000	240	2,000 sq ft	5 gal	.56 gal/hr	8.9 hrs	33 lbs	715-0410
HeatStar	HS85FAV	Propane	85,000	350	2,000 sq ft	20 lbs	2.3 gal/hr	8 hrs on low	21 lbs	715-0415
Mi-T-M	MH-0135-0M10	Kerosene	135,000	540	4,000 sq ft	10 gal	1 gal/hr	10 hrs	57 lbs	715-0420
Mi-T-M	MH-0150-LMTO	Propane	150,000	400	3,800 sq ft	100 lbs	6.9 lbs/hr	18 hrs	23 lbs	715-0420
HeatStar	HS170AVT	Propane	170,000	450	4,000 sq ft	100 lbs	5.8 lbs/hr	17 hrs on low	32 lbs	715-0440
Mi-T-M	MH-0190-0M10	Kerosene	190,000	630	4,000 sq ft	13 gal	1.42 gal/hr	9.1 hrs	68 lbs	715-0450
HeatStar	HS210-KT	Kerosene	210,000	400	6,000 sq ft	14 gal	1.60 gal/hr	8 hrs	87 lbs	715-0450
Mi-T-M	MH-0375-LM10	Propane	375,000	1,500	9,000 sq ft	(2) 100 lbs	17.4 lbs/hr	11.5 hrs	41 lbs	715-0460
Mi-T-M	MH-0400-0M10	Kerosene	400,000	1,400	9,000 sq ft	24 gal	3 gal/hr	8 hrs	159 lbs	715-0470

\*Heating area is an approximation based manufacturer's specifications.



## INDUSTRIAL ELECTRIC HEATERS

deliver dry heat to areas requiring maximum heat flow with low background noise. Ideal for either local or large-scale space heating

- Fume free
- Provides dry heat; does not add additional moisture to the air
- Portable via small lift truck with heavy-duty skid, forklift slots and tie-downs
- Multiple applications such as dew-point preservation within sensitive areas; facilities management projects; painting and coating projects; event and project site heating

## CAPS | 150 kW Industrial Air Heater

### Features:

- Four (4) stages of heating capacity control
- VFD air volume control
- Unit capable of 300° F leaving air temperature
- 1" Thermax cabinet insulation
- Integrated casters

### Tech Specs:

- Each unit has one (1) 20" rounded supply air collar and one (1) 20" rounded return air collar welded to the exterior wall
- Integrated duct clamps on each 20" inlet / outlet



**DRY HEAT**

## Flagro | 150 kW Industrial Air Heater

### Features:

- Three settings: 205,000 / 307,000 and 512,000 BTU
- Thermostat included
- Thermal cutoff safety device
- Color-coded cam-lock power connectors
- Permanent inlet filters
- Fan speed inverter optimizes temperature rise
- Simplified control panel

### Tech Specs:

- Each unit has one (1) 20" ductable air return and one (1) 20" ductable supply



Make	Model	Capacity	BTU	CFM/SP	Voltage	Phase	Amp Rating	L/W/H (in)	Weight	Cat-Class
CAPS	PHUH-0NN-150KE0NN	150 kW	512,000	8,000/5"	480V	3P	206A	96 x 48 x 50 5/8	2,500 lbs	715-0240
Flagro	FLE-150	150 kW	512,000	6,300/5"	480V	3P	161A	66 x 36 x 40	560 lbs	715-0240

# FLAMELESS



**FLAMELESS HEATERS** provide highly efficient heated air output with unprecedented safety in portable DOT-approved trailer mounted packages and are capable of ducting long distances with minimal loss of air pressure or outlet temperature.

- Clean, safe, reliable heat source
- Environmentally friendly: 110% spill containment
- Proven and innovative flameless design
- Made in the U.S.A.

## Premier | FH1500



- Fuel efficient, the FH1500 has an automatic temperature control system to sense ambient temperatures and adjusts heating as needed
- No overshoot, no wasted heat, and no deep-cycling during operation
- Advanced digital display keeps you up to date on the flameless heater operating statistics
- Twin-airflow duct design allows for targets to be heated up to 125 feet from each duct

## MAC 750F



## MAC 950F



Make	Model	BTU	CFM/SP	Fuel Tank	Consumption	Run Time	L/W/H (in)	Weight	Cat-Class
Wacker	HIF690	457,667	3,778/5"	100	3.3 gal/hr	30 hrs	155 x 67 x 80	3,230 lbs	715-1210
MAC	550F	550,000	3,500/5"	125	2.6 gal/hr	40 hrs	176 x 72 x 82	3,800 lbs	715-1210
MAC	750F	750,000	5,500/5"	165	3.55 gal/hr	46 hrs	192 x 72 x 85	5,720 lbs	715-1220
MAC	950F	950,000	6,000/5"	165	5.4 gal/hr	30 hrs	192 x 72 x 85	5,650 lbs	715-1230
Wacker	HIF1200	1,204,000	6,500/4"	206	8.6 gal/hr	23 hrs	158 x 70 x 93	4,340 lbs	715-1240
Premier	FH1500	1,500,000	10,000/6.25"	200	12.5 gal/hr	16 hrs	160 x 76 x 99	9,320 lbs	715-1250





# HYDRONIC SURFACE

## Thawzall | TCH250

- Patented HeatZone® fluid distribution technology delivers heat more uniformly, thaws more quickly and saves a minimum of 24 gallons of fuel per day over its closest competitor
- Superior thaw, cure, heat for any job
- Delivers a blistering 250 MBH of heat with unparalleled uniformity through 3000' (five zones of 600') of 5/8" hydronic heat hose



## Flex-Temp | Fusion 3000

- Site ready, this one-touch start machine is a portable hydronic surface heat system with multi-tasking proficiency
- Ground thawing, cold weather concrete warming/curing, pre-pour warming, ground frost prevention and other heat applications for extreme cold
- Maintains reliable performance throughout the winter
- Optional remote and auto-control technologies provided



## Wacker Neuson | E3000

- Reliable performance and trouble-free starts for up to 140 hours of run time
- Provides maximum flow and ensures consistent heat delivery for thawing and curing applications



Make	Model	Type	BTU	Thawing Capacity	Curing Capacity	Efficiency	Fuel Tank	Fuel Consumption	Run Time	L/W/H (in)	Weight*	Cat-Class
Thawzall	TCH250	Diesel	234,000	6,000 sq ft	18,000 sq ft	82%	160 gal	1.75 gal/hr	72 hrs	170 x 84 x 96	5,600 lbs	715-1010
Flex-Temp	Fusion3000	Diesel	234,000	6,000 sq ft	18,000 sq ft	87%	170 gal	1.75 gal/hr	97 hrs	178.5 x 96 x 91	8,295 lbs	715-1010
Wacker	E3000	Diesel	385,000	6,000 sq ft	18,000 sq ft	83%	230 gal	2.75 gal/hr	140 hrs	181 x 91 x 94	7,190 lbs	715-1020

\*Weight includes Genset, fully fueled

## HVAC HYBRID

The ultimate in heating, cooling and dehumidification in one unit. 100% return air, 100% outside air or blended.

- Dual circuit hot gas bypass and dual independent refrigerant circuits
- Environmentally safe 410A refrigerant
- Single point 460V/3PH/60HZ power application power connection utilizing four Cam-Lock power cables

## CAPS | 20 Ton Hybrid Multi-Purpose HVAC Unit

### Features:

- Four stages of heating capacity control
- Two stages of refrigeration capacity control
- Electrical heat (72 kW)
- VFD air volume control
- Easy access panels for efficient serviceability
- Heavy duty skid, forklift slots, tie-downs
- Lifting / stacking cage

### Tech Specs:

- Two (2) 20" return air duct connections
- Two (2) 20" supply air duct connections



## CAPS | 60 Ton Hybrid Multi-Purpose HVAC Unit



### Features:

- Four stages of heating capacity control
- Four stages of refrigeration capacity control
- Electrical heat (136kW)
- VFD air volume control
- Easy access panels for efficient serviceability
- Heavy duty skid, forklift slots, tie-downs
- Lifting / stacking cage

### Tech Specs:

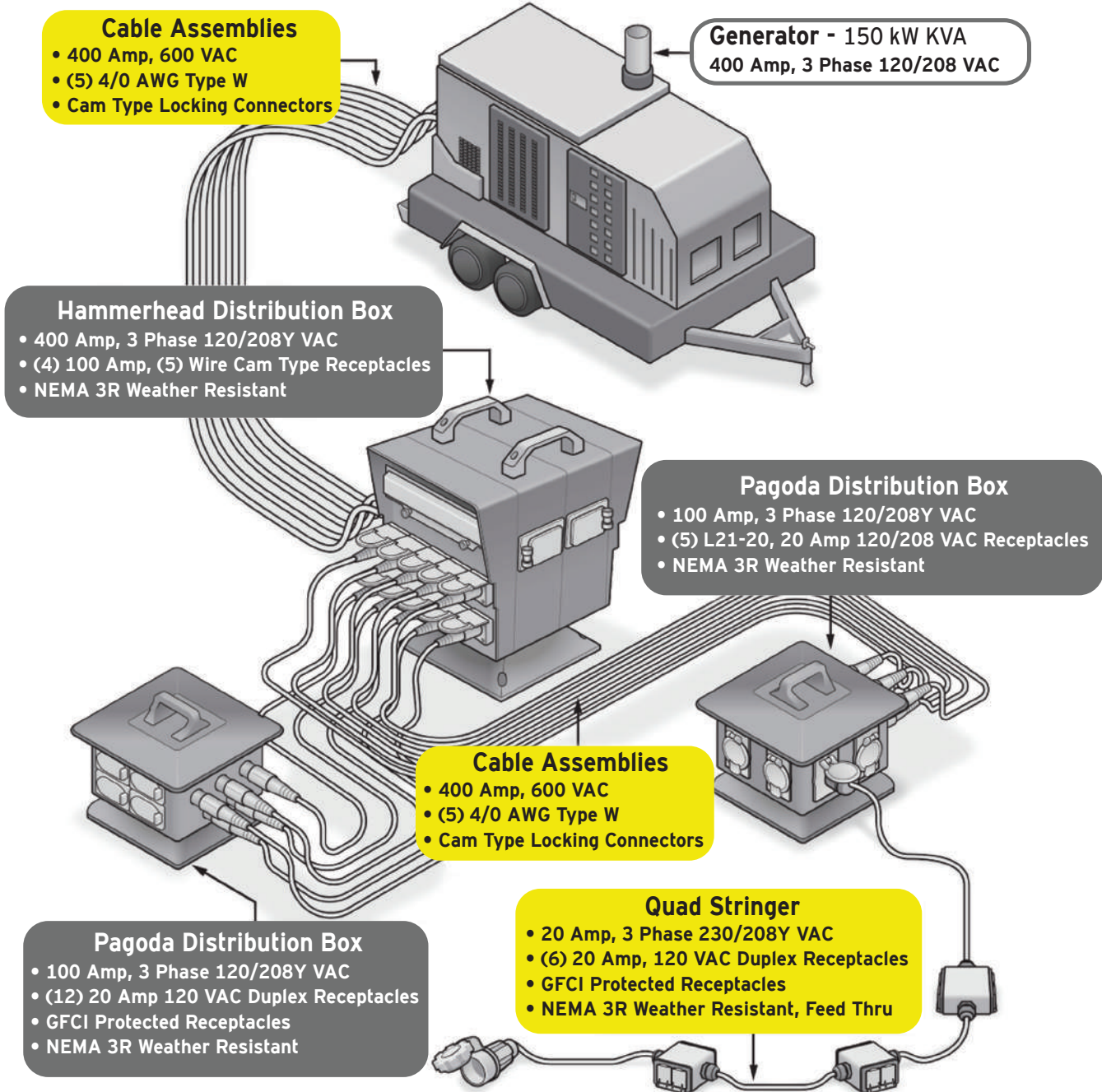
- Four (4) 20" return air duct connections
- Six (6) 20" supply air duct connections

Make	Model	Capacity	CFM/SP	Voltage	L/W/H (in)	Weight	Cat-Class
CAPS	PPKH-20TD-ONN72KE	20 Ton	8,000/3.25"	460V / 3PH / 60HZ	112.25 X 97.5 X 60.25	4,500 lbs	715-1410
CAPS	PPKH-60TD-ONN136KE	60 Ton	20,000/4.25"	460V / 3PH / 60HZ	240 x 101 x 100	10,500 lbs	715-1420



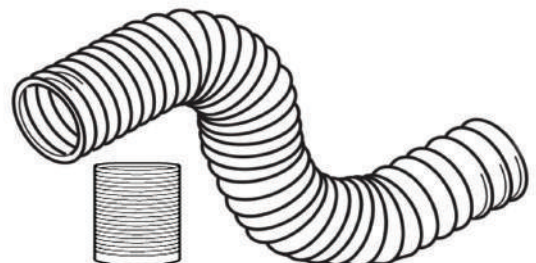
HERTZ EQUIPMENT RENTAL has a full line of heater accessories and optional add-ons to power you up and complete your heating, thawing, drying or curing applications.

## Example of a 150 kW Configuration



## Other Accessories Available:

- Remotes and Thermostats
- Flexible Ducting
- Connectors, Flanges and Diffusers
- Cable Kits
- Filters
- Blower Units



# WORKSHEET

Use this handy formula to determine how many BTUs of heating capacity you need. Please use it as a rough guide for determining the heat requirements based on different insulation scenarios.

**Example:** Heating Area: 30' in length x 60' wide x 13' high with the external temperature of 40°F and the desired inside temperature of 70°F.

**BTU/hr Required:** (Length x Width x Height) x Temperature Rise Factor x Insulation Factor

**Example Formula:** (30 ft x 60 ft x 13 ft) = 23,400 / 35.3147 = 663  
L                      W                      H                      cubic meters (CM)

$$\begin{matrix} 663 & \times & 42.5 & \times & 4 & = & 112,710 \text{ BTUs} \\ \text{(CM)} & & \text{(TRF)} & & \text{(K)} & & \end{matrix}$$

### Temperature Rise Factor (TRF):

OUTSIDE TEMP °F	DESIRED INSIDE TEMP °F	$\Delta T$	TRF
40	70	30	42.5
30	70	40	55.0
20	70	50	70.0
10	70	60	82.5
0	70	70	97.5

### Insulation Factor (K):

- 3.0 Moderate, unsealed building
- 3.5 Loose, unsealed building
- 4.0 Very loose, tent

There are many factors that can affect your BTU requirement including exact insulation, ventilation, and the number of rooms you're requiring be heated. It is always best to select a heater that's equal to or greater than the highest BTU calculation for the area being heated.

Calculate  
your heat  
needs here:

L	x	W	x	H	=	[ ]	/	35.3147	=	[ ] CM
CM	x	TRF	x	K	=	[ ]	<b>BTUs Required</b>			

## HEATING CALCULATION QUESTIONNAIRE:

What is the type of structure? \_\_\_\_\_

What are the dimensions of the project? L: \_\_\_\_\_ W: \_\_\_\_\_ H: \_\_\_\_\_

What is R-Value of the project at time of deployment, wall and ceiling? \_\_\_\_\_

Internal temperature of project for the customer? \_\_\_\_\_

How tight is your building? \_\_\_\_\_

Job location? \_\_\_\_\_

How long are you going to need heat? \_\_\_\_\_

When do you need the equipment? \_\_\_\_\_

What sources of fuel do you have on site? \_\_\_\_\_

Do you have power on site? Y: \_\_\_\_\_ N: \_\_\_\_\_

When are you planning to start heating your project? \_\_\_\_\_

Do you have a technical drawing of your project? \_\_\_\_\_

SALES REPRESENTATIVE: \_\_\_\_\_

NOTES: \_\_\_\_\_

# CREDIT APPLICATION

**Hertz Equipment Rental**

## CREDIT APPLICATION

(must fully complete)

Fax to HERC Credit Dept.

E-Fax #: (405) 979-3940

E-Mail: herc\_credit@hertz.com

For Branch Use Only:

Branch No.

Salesperson No.

Revised (Previous Incomplete or Decline)

Customer No.

For Branch Use Only:		Rush (Same Day or Next Day Rental)	
Date/Time Needed			
Business Name			
Street Address			
City		State	Zip Code + 4
Billing Address			
City		State	Zip Code + 4
Primary Contact		Tel # (Include Area Code)	Fax # (Include Area Code)
AP Contact		Tel # (Include Area Code)	Fax # (Include Area Code)
AP eMail			
Business Type (Check One)			
<input type="checkbox"/> Sole Proprietor	<input type="checkbox"/> Partnership	<input type="checkbox"/> Corporation	
<input type="checkbox"/> LLC	<input type="checkbox"/> Government	<input type="checkbox"/> Non-Profit	
Business Description			Average No. of Employees
Principal Owners, Officers, Stockholders and/or Directions: (Must Have Social Security No. If Sole Proprietor or Partnership)			
Name	Title		Social Security No.
Federal Taxpayer ID for Corporations		Date & State of Incorporated/Formed	Years in Business Under Present Ownership
Contractor's License No. & Expiration Date		Parent Corporation Name, City, & State	
Are you listed with a commercial credit bureau?		Initial Credit Requirement	Monthly Credit Requirement
<input type="checkbox"/> No	<input type="checkbox"/> Yes	DUNS/File#	Experian#
Trade References: (Credit Purchases)			
Business	Account No.	Tel # (Include Area Code)	
Contact	City/State	Fax # (Include Area Code)	
Business	Account No.	Tel # (Include Area Code)	
Contact	City/State	Fax # (Include Area Code)	
Business	Account No.	Tel # (Include Area Code)	
Contact	City/State	Fax # (Include Area Code)	
Business	Account No.	Tel # (Include Area Code)	
Contact	City/State	Fax # (Include Area Code)	
Business	Account No.	Tel # (Include Area Code)	
Contact	City/State	Fax # (Include Area Code)	
Bank References:			
Bank	Checking Account No.	City/Branch	
Contact	Loan Account No.	Tel # (Include Area Code)	
Purchase Order Required?	Tax Exempt?	Liability Insurance Coverage?	
<input type="checkbox"/> Yes	<input type="checkbox"/> Yes (Must Attach Tax Certificate)	<input type="checkbox"/> Yes (Must Attach Insurance Certificate)	
<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	
Physical Damage Coverage for Rental Equipment?	Bonding Company (Name/Address)		
<input type="checkbox"/> Yes (Must Attach Insurance Certificate)			
<input type="checkbox"/> No (Loss Damage Waiver will be Charged)			
For the purpose of establishing a credit line with Hertz Equipment Rental Corporation, I herewith authorize the above named Bank and Trade References to furnish the requested account / credit information.			
Authorized By: Name (Please Print or Type)		Title	Signature and Date Signed
For Central Office Use Only			
Approved / Declined and Reason			
Credit Manager Signature & Date		S.I.C.	Customer No.



# CREDIT APPLICATION

## ACCOUNT AGREEMENT AND TERMS

The company submitting this application (the "Undersigned") acknowledges and agrees to the following:

1. This Account Agreement And Terms ("Agreement") supersedes, with respect to rentals made subsequent to the acceptance of this application by Hertz Equipment Rental Corporation ("HERC"), any prior Account Agreement and Terms governing the extension of credit by HERC to the Undersigned. Rentals by HERC to the Undersigned made subsequent to the acceptance of this application by HERC shall be governed by the Rental Contract pertaining to such rental and by this Agreement. In the event that any provisions of the Rental Contract shall conflict with any provision of this Agreement the Rental Contract shall control.
2. The receipt of an application shall null create any obligation on the part of HERC to rent equipment to the undersigned or to extend credit to the undersigned in connection with any such rental.
3. The Undersigned warrants and represents that any credit which may be extended upon the acceptance of this application shall only be used in connection with the rental of equipment for a business purpose and not in connection with the rental of equipment or any personal or household use.
4. It is understood and agreed that the undersigned specifically consents to HERC investigating the undersigned's credit history and the information provided on this application, for the purpose of extending credit.
5. If credit is extended, the undersigned acknowledges that HERC's credit terms are payment in full net ten (10) days from the date of invoice.
6. All sums are due and payable at the following address, P.O. Box 650280, DALLAS, TEXAS 75265-0280 and/or at such other mailing address as shall be specified on the invoice.
7. In the event the undersigned fails to timely pay any invoice, the undersigned agrees to pay a late fee to HERC on such delinquent invoice until same is fully paid, at the rate of 1.8% per month or maximum rate allowed by the laws of the jurisdiction where the originating HERC branch stated on the invoice is located whichever is less.
8. The undersigned agrees that, with or without notice or demand, the undersigned shall reimburse HERC, for all expenses (including counsel fees) incurred by HERC in connection with any indebtedness of the applicant or the collection thereof.
9. The undersigned agrees fully and promptly to furnish to HERC information needed or requested by HERC for proper filling out and service of preliminary notices under the mechanic's lien laws.
10. Any and all obligations arising under a Rental Contract including without limitation, the obligation to pay for all Charges associated with or arising from a rental transaction shall be governed by the terms of the Rental Contract and the Choice of Law provision set forth therein. To the extent any rights or obligations hereunder are not addressed by the Rental Contract, this Agreement shall be governed and construed by the laws of the STATE of NEW YORK, without regard to any conflict or choice of laws principals. If any provision or part of any provision of this Agreement conflicts with any applicable law then that provision will be deemed to be modified to be consistent with such law, or to be deleted if modification is impossible, and will not affect the remainder of this Agreement which will continue in full force and effect. If any provision of this Agreement is held to be so broad as to be unenforceable, then that provision will be interpreted to be only so broad as is necessary for it to be enforceable.
11. If the equipment rented hereunder is used in the construction of a particular private or public work of improvement, the undersigned agrees that all monies owed to or received by the undersigned in connection with such work or works of improvements shall be held by undersigned in trust for the benefit of HERC, shall be segregated from other monies of the undersigned, and shall be used only to pay HERC, to the extent that such monies are attributable to the equipment rented hereunder until HERC has been paid in full for such rentals.
12. The undersigned recognizes that it may from time to time be owed money by HERC due to contracts or transactions between the undersigned and HERC which are separate and distinct for the rental contemplated by this Credit Application and Agreement, HERC shall have the right to withhold from the undersigned any monies owed by HERC to the undersigned in connection with any such other contracts or transactions and to offset the same against any sums owed by the undersigned to HERC in such amounts as may be deemed by HERC to be reasonably necessary to cover such indebtedness of the undersigned. So long as this right of withhold and offset is carried out in good faith, the undersigned hereby waives any claims against HERC for any consequential damages coming from such withhold and offset even if it is later determined that the withhold and offset was improper.
13. THE UNDERSIGNED HEREBY WAIVES THE RIGHT TO A JURY TRIAL OF ANY OR ALL CLAIMS OR DISPUTES WHICH MAY ARISE AFTER ACCEPTANCE OF THIS APPLICATION BY HERC IN CONNECTION WITH THIS AGREEMENT OR ANY RENTAL CONTRACT BETWEEN THE UNDERSIGNED AND HERC.
14. The terms of this Agreement may be revised or supplemented from time to time by HERC sending the Undersigned notice of such changes. It will be presumed that the Undersigned has received any such notice mailed to the Undersigned at the address shown on this Application or otherwise provided to HERC. The Undersigned's making a rental from HERC using credit after the effective date of such changes will constitute the Undersigned's acceptance of such changes.
15. The Undersigned agrees to promptly notify HERC in writing of any change in the undersigned's business ownership/form or structure. If the undersigned fails to promptly notify HERC of such change, then the undersigned expressly assumes full responsibility for all charges and/or credit extensions made on this account subsequent to such change.

Name (please print)	Title	Signature	Date
---------------------	-------	-----------	------

The undersigned individual who is either a principal of the credit applicant or a sole proprietor of the credit applicant, recognizing that his or her individual credit history may be a factor in the evaluation of the credit history of the applicant, hereby consents to and authorizes the use of a consumer credit report on the undersigned by HERC, from time to time as may be needed in the credit evaluation process.

Name (please print)	Social Security No.	Signature	Date
---------------------	---------------------	-----------	------

## GUARANTY

In consideration of the extension of credit to the applicant named herein the undersigned, jointly, severally and unconditionally guarantee and promise to pay all amounts now owing or which may hereinafter become owing by the applicant to Hertz Equipment Rental Corporation ("HERC"). This is a continuing guaranty and obligations arising hereunder shall not be affected by any change in terms of indebtedness, the extension of credit beyond amounts specified herein, a change in the term or time for payment, a change in the form of indebtedness or the acceptance of security or collateral. HERC shall not be required to exhaust any remedies against applicant prior to exercising rights granted hereby. The undersigned hereby waives (a) notice of acceptance of this guaranty and of extensions of credit by HERC to the applicant; (b) presentment and demand for paying of any indebtedness of the applicant; (c) protest and notice of dishonor or default to the undersigned with respect to any indebtedness of the applicant; (d) all other notices to which the undersigned might otherwise be entitled; (e) any demand for payment under this guaranty; (f) benefit of all exemptions and homestead laws; (g) all set-offs and counterclaims. This is a guaranty of payment and not of collection and the undersigned further waives any right to require that any action be brought against the applicant or any other person or to require that resort be had to any security.

The undersigned agrees that, with or without notice or demand, the undersigned shall reimburse HERC, to the extent that such reimbursement is not made by the applicant, for all expenses (including counsel fees) incurred by HERC in connection with any indebtedness of the applicant or the collection thereof, and will pay attorneys' fees if this guaranty is placed with an attorney for enforcement or collection from the undersigned.

**The undersigned personal guarantor, recognizing that his or her individual credit history may be a necessary factor in the evaluation of this personal guarantee, hereby consents to and authorizes the use of a consumer credit report on the undersigned by HERC, from time to time as may be needed, in the credit evaluation process.**

If any provision or part of any provision of this guaranty is in conflict with any applicable statute or rule of law then such provision, or part thereof, as the case may be, shall be deemed null and void to the extent that it may conflict therewith, but without invalidating the remaining provisions hereof or the remaining part of such.

THE UNDERSIGNED HEREBY WAIVES THE RIGHT TO A JURY TRIAL OF ANY OR ALL CLAIMS OR DISPUTES WHICH MAY ARISE IN CONNECTION WITH THIS GUARANTY. The undersigned further acknowledge and represent that any titles written near their signatures below is/are merely intended to clarify the individual's position with the customer and in no way is intended to limit or cancel the personal nature of this guarantee.

Name (please print)	Social Security No.
---------------------	---------------------

Signature	Date
-----------	------

Witness	Date
---------	------

Name (please print)	Social Security No.
---------------------	---------------------

Signature	Date
-----------	------

Witness	Date
---------	------

## Commonly Used Terms

### BTU = British Thermal Unit

A basic measure of thermal (heat) energy. It represents the measure of heat given off when fuel is burned for heating, or the measure of heat extracted from your home for cooling. The higher the BTU output, the more powerful the heating system.

### Capacity

The output or producing capability of a piece of cooling or heating equipment. Cooling and heating capacity are normally referred to in BTUs.

### CFM = Cubic Feet per Minute

A volumetric unit of measure.

Airflow is typically measured by cubic feet per minute (CFM) – a cube of air 1 ft. x 1 ft. x 1 ft. flowing by each minute = 1 CFM. A cubic foot of air weighs about 1.2 ounces. Note, at higher elevations, air is less dense. Fans blow air by volume (density doesn't matter), a 1,000 CFM fan in Denver will still blow at 1,000 CFM, but 16% less air mass needs to be moved making the air easier to heat.

### Ductible

The ability to accept ducting to transfer heated air and to exhaust fumes and cold air outside.

### Dual Fuel

Some of our heaters feature “dual” fuel options where you can switch from propane (LP) to natural gas (NG) with a ball valve. Some units are more complex requiring an orifice change out. Check with your branch for specific details.

### Insulation Factor (K)

A proxy for estimating the impact of insulation on heat calculation requirements.

### Run Time

Based on either an onboard fuel tank or external tank, the estimated length the heater will run.

### Static Pressure (SP)

Essentially how much resistance the airflow has to overcome to deliver heat. Inside every duct, there is a constant pressure being exerted at any point from all directions. When an exhaust fan moves air through the duct, the air counters resistance from this pressure which is known as static pressure. Thus, an exhaust fan has to have the ability to overcome the static pressure in a duct so as to effectively duct stale air to the outside of your home.

Used in conjunction with CFM and measured in inches of water gauge (i.e. 500 CFM @ 0.125" wg).

### Therm

Equal to 100,000 British Thermal Units (BTUs). It is approximately the energy equivalent of burning 100 cubic feet (often referred to as 1 CCF) of natural gas.

### Temperature Rise

Increase in temperature desired measured in °F. To calculate, subtract outside temperature from desired inside temperature.

### Thermostat

A component of a heating control system which actively monitors the temperature of a system so that the temperature is maintained near a desired level by switching the unit on and off.

### Fuel

Our heaters feature many fuel source options including:

#### ELECTRICITY

Heat is generated by the passing of electric current through a resistor, converting the electric energy into heat energy. Measured and sold in kilowatt hours.

#### OILS

##### Diesel

#2 Diesel Fuel is what's available most of the time at your local gas station. It has the highest energy content and lubricity, but it gels at a higher temperature than #1 diesel. It is less expensive than #1 diesel because it does not require as much refinement to produce.

#1 Diesel Fuel has a lower energy content (about 5%) than #2 diesel. It does not gel like #2 diesel because the paraffin (wax) has been removed from the fuel. Outside of cold weather applications, the paraffin is an important lubricating component of #2 diesel.

##### Kerosene

Mixture of liquid hydrocarbons obtained by distilling petroleum, available in several grades depending upon the level of distillation.

#### GASES

##### Natural Gas (NG)

Consisting largely of methane and other hydrocarbons, natural gas occurs naturally underground (often in association with petroleum). The lightest of all petroleum products (low density), it is not easy to store natural gas or to transport it by vehicle. Instead it is often liquefied and transported under pressure. Measured and sold by the therm.

##### Propane (LP)

By-product of natural gas processing and petroleum refining, propane is one of a group of liquefied petroleum gases (LP gases). Generally it is stored and transported in steel cylinders as a liquid with a vapor space above the liquid. When the pressure is reduced, propane vaporizes, and becomes a gas.

### FUEL ENERGY CONTENT & CONVERSIONS

<b>ELECTRICITY</b>	1 kWh	equals	1,000 watts	
	1 kWh	equals	3,414 BTU	
<b>OILS</b>				
	<b>Diesel</b>	1 gal	equals	139,200 BTU
		1 therm	equals	0.72 gal
<b>Kerosene</b>	1 gal	equals	135,000 BTU	
	1 therm	equals	0.74 gal	
<b>GASES</b>				
	<b>Natural Gas</b>	1 cu ft.	equals	1,050 BTU
		1 therm	equals	100,000 BTU
<b>Propane</b>	1 cu ft.	equals	2,500 BTU	
	1 lb	equals	21,500 BTU	
	1 gal	equals	91,500 BTU	

Note: Exact values will vary depending on the quality of the fuel and in some cases, the pressure.

Hertz Equipment Rental and its suppliers make every reasonable effort to ensure the accuracy and validity of the information provided in this publication; however, products featured and specifications may change without notice.



Industrial and Commercial  
**Pro Contractor Tools**



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