



# ÉQUIPEMENTS DE CHAUFFAGE

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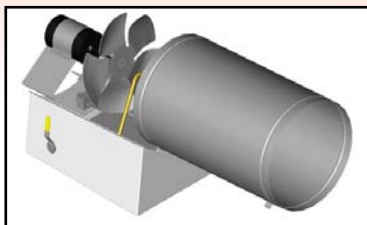
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# TRADESMAN® FORCED AIR LP/NG HEATERS



Variable output control for maximum fuel efficiency



Industry's heaviest gauge combustion chamber and burner plate for longest life



Ultra Models include illuminated diagnostic light for convenient troubleshooting

Engineered to deliver reliable, directional heat, L.B. White Tradesman heaters feature a unique 3-trial ignition system, the industry's heaviest gauge combustion chamber and burner plate, and Self Diagnostic Service Saver models for convenient trouble-shooting.



- LP and NG models available
- Ultra models include Self Diagnostic Service Saver for convenient trouble-shooting.
- Dependable electronic spark ignition
- Superior Tri-Shield finish provides extended protection against abrasion and corrosion.
- Thermostatic temperature control (Tradesman 170 and 400 models)
- Adjustable front leg provides easy direction of heat (170 model)
- Variable heat output promotes fuel savings
- Direct-fired = 99.97% fuel efficiency
- CSA certified

## TRADESMAN

	100	170	170 ULTRA	170N	170N ULTRA	400	400 ULTRA
<b>Btu/h Rating</b>	50,000 - 100,000	125,000 - 170,000	125,000 - 170,000	125,000 - 155,000	125,000 - 155,000	250,000 - 400,000	250,000 - 400,000
<b>Heated Air Output (CFM)</b>	350	625	625	625	625	1,582	1,582
<b>Fuel Consumption (max.)</b>							
LP Gas (lbs./hr.)	4.6	7.2	7.2			18.5	18.5
Natural Gas (cu.ft./hr.)				155	155		
<b>Amps (starting/continuous operation)</b>	4.7 / 2.0	3.7 / 2.1	3.7 / 2.1	3.7 / 2.1	3.7 / 2.1	4.0 / 1.5	4.0 / 1.5
<b>Service Saver</b>			Yes		Yes		Yes
<b>Dimensions (in.)</b>							
Length	25.3	24.0	24.0	24.0	24.0	34.5	34.5
Width	9.8	10.0	10.0	10.0	10.0	12.5	12.5
Height	14.0	16.0	16.0	16.0	16.0	19.5	19.5
<b>Shipping Weight (lbs.)</b>	28.0	34.0	34.0	34.0	34.0	51.0	51.0

Now with two year warranty.



Proudly made in USA  
for over 60 years!



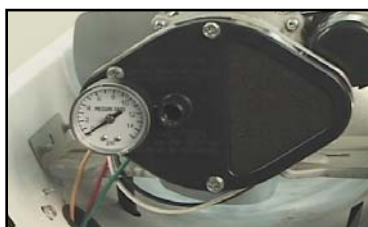
# TRADESMAN® FORCED AIR KEROSENE HEATERS



Auxiliary 110V power receptacle  
(125K thru 400K)



Temperature display and thermostat  
help control fuel usage



Includes pressure gauge for  
easy serviceability (K75 through K210)

When using gas is not convenient, or a self-contained fuel source is desired, Tradesman kerosene heaters provide instant, efficient directional heat. A dependable dual-prong electronic spark ignition, heavy duty enclosed motor, and long lasting composite fuel fittings are just a few of the features that provide the long life and trouble free operation you expect from L.B. White.



- Kerosene, #1 and #2 diesel or #1 fuel oil
- Dependable dual-prong electronic spark ignition
- Durable composite fuel fittings for max life
- Fuel gauge indicates remaining run time
- Comfort control thermostat
- Wheels and handles make it easier to maneuver (K125 and up)
- Threaded drain plug
- Direct-fired = 99.97% fuel efficiency
- Built in air diagnostic system for troubleshooting ease
- Heavy duty enclosed motor provides longer life
- CSA certified

## TRADESMAN

	K75	K125	K175	K210	K400	K650
<b>Btu/h Rating</b>	75,000	125,000	175,000	210,000	400,000	650,000
<b>Heated Air Output (CFM)</b>	265	520	600	650	1,400	3,600
<b>Pump Pressure (psi)</b>	3.8	5.5	6.5	8.5	125	110
<b>Fuel Consumption (max.) (gal./hr.)</b>	0.6	0.95	1.3	1.6	3.0	4.9
<b>Tank Capacity (gal.)</b>	5	10	13	13	29	50
<b>Operating Time/Tankful min. (hrs.)</b>	8.3	10.5	10.0	8.0	9.5	10.0
<b>Amps (continuous operation)</b>	1.6	2.5	3.2	3.7	4.4	7.1
<b>Motor Horsepower</b>	1/8	1/5	1/4	1/3	1/2	3/4
<b>Dimensions (in.)</b>						
Length	32.0	37.5	43.5	43.5	52.5	69.2
Width	11.8	22.4	23.9	23.9	32.0	30.7
Height	16.8	24.9	26.6	26.6	34.0	48.7
<b>Shipping Weight (lbs.)</b>	30.0	55.0	60.0	65.0	155.0	298.0

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# NORSEMAN™ CONVECTION HEATERS



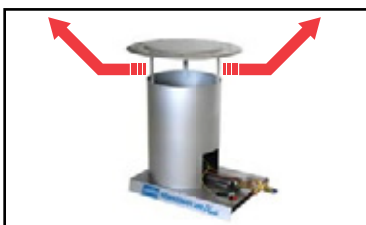
*Heaviest gauge steel body available in a convection heater.*



*Rugged cast iron burner for long life*



*Adjustable output control saves fuel*



*Unique top design provides superior distribution of heat*



*No electricity required*

These heavy duty convection heaters feature cast iron burners and heavy gauge steel bodies. Norseman heaters are ideal for rental or frequent usage on construction sites, or anytime electricity is not available.



- LP models
- Rugged Norseman family ideal for heavy industrial and rental use
- Horizontal Norseman has low ceiling clearance
- Direct-fired = 99.97% fuel efficiency
- 360° heat output (200 Plus and 250 models)
- Heavy duty, one piece barrel

## NORSEMAN

	200 HORIZ	200 PLUS	250
<b>Btu/h Rating</b>	200,000	200,000	250,000
<b>Fuel Consumption</b> (max.)			
LP Gas (lbs./hr.)	9.3	9.3	11.6
<b>Ignition Type</b>	Pilot	Piezo Pilot	Pilot
<b>Dimensions</b> (in.)			
Length	41.0	18.0	18.0
Width	9.0	13.0	13.0
Height	12.0	24.0	24.0
<b>Shipping Weight</b> (lbs.)	30.0	34.0	34.0

*Now with two year warranty.*



*Proudly made in USA  
for over 60 years!*

# WORKMAN™ CONVECTION HEATERS



Adjustable output control  
for maximum fuel efficiency

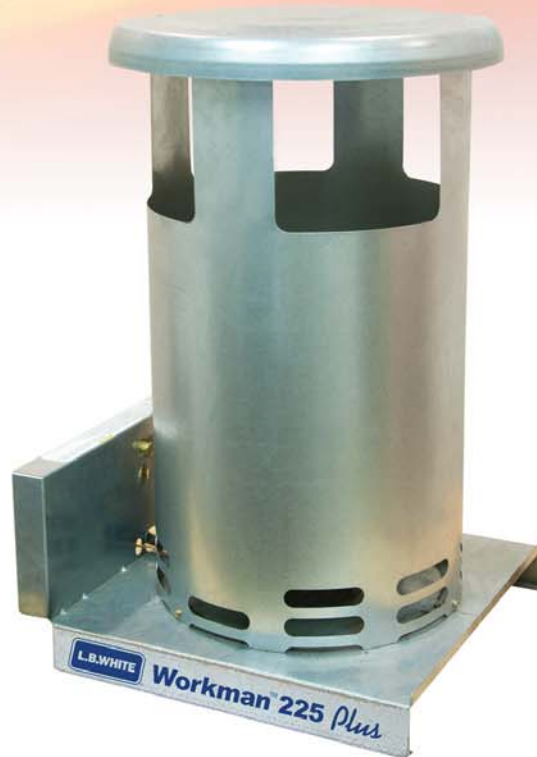


Unique top design provides  
superior distribution of heat



No electricity required

These standard duty convection heaters feature adjustable output control to save fuel, and a unique top design for superior heat distribution. Workman heaters provide 360° heating and don't require electricity.



- NG and LP models available
- Lightweight for easy maneuverability
- Piezo pilot ignition
- Direct-fired = 99.97% fuel efficiency
- Enclosed stainless steel burner provides superior wind resistance
- 360° heat output
- One piece barrel for strength and durability
- No assembly required
- CSA certified

## WORKMAN

	100N Plus	225 Plus
<b>Btu/h Rating</b>	100,000	40,000-225,000
<b>Fuel Consumption</b> (max.)		
LP Gas (lbs./hr.)	-	10.2
Natural Gas (cu.ft./hr.)	100	-
<b>Dimensions</b> (in.)		
Length	16.5	16.5
Width	15.0	15.0
Height	25.0	25.0
<b>Shipping Weight</b> (lbs.)	21.0	21.5

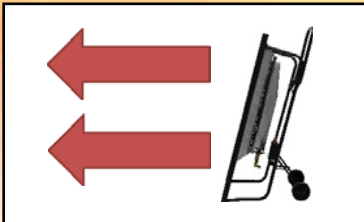
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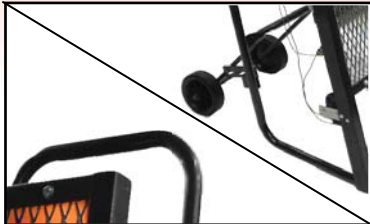
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# SUN BLAST™ FLAT PANEL RADIANT HEATER



Directional heat with large foot print



Folding handle and wheels for easy transport



No electricity required

This flat panel radiant is great for spot heating large areas using its tall profile. Easy to move around with its high handle and wheels, this Sun Blast radiant heater has quiet operation. Radiant heaters heat like the sun, heating objects not the air.



\*Product image shown here may differ from actual product purchased

- LP model
- Lightweight for easy maneuverability
- Piezo ignition
- Direct-fired = 99.97% fuel efficiency
- Tip over switch shuts product down for safety
- Works with standard 20 lb. cylinder

## SUN BLAST

	35
Btu/h Rating	35,000
Fuel Consumption (max.)	
LP Gas (lbs./hr.)	1.6
Operating Time (20 lb LP cylinder)	12.5 hrs.
Shipping Dimensions (in.)	
Length	12.4
Width	10.4
Height	37.5
Shipping Weight (lbs.)	30

Two year warranty.

# SUN BLAST™ ROUND RADIANT HEATERS



360° heat output



High handle and wheels for easy transport



No electricity required

These Sun Blast heaters provide 360° radiant heating and don't require electricity. Their rugged construction makes them durable for any construction site. Radiant heaters heat like the sun, heating objects not the air.



\*Product image shown here may differ from actual product purchased

- NG and LP models available
- Direct-fired = 99.97% fuel efficiency
- Lightweight for easy maneuverability
- Tip over switch shuts product down for safety
- Piezo pilot ignition
- High temperature paint
- Improved design over competitive models prevents carbon build-up for longer run time

## SUN BLAST

	125	125N
<b>Btu/h Rating</b>	125,000	125,000
<b>Fuel Consumption (max.)</b>		
LP Gas (lbs./hr.)	5.8	
Natural Gas (cu.ft./hr.)	-	125
<b>Dimensions (in.)</b>		
Length	16.5	16.5
Width	16.2	16.2
Height	35.0	35.0
<b>Shipping Weight (lbs.)</b>	43.0	43.5

Two year warranty.

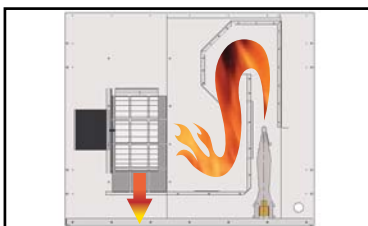
# PREMIER® DUCTABLE UNIT HEATERS



Quiet operation



Can be used with or without ducting



Enclosed flame promotes safer work environments

These versatile heaters are great for small or large work spaces, renovation jobs, and any applications where low noise or an enclosed flame is important. Premier heaters can be used to provide heat or simple air circulation inside, or be ducted in from the outside. Select from LP, NG, or easy-to-switch dual fuel models.

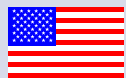


- LP, NG, and dual fuel models available
- Versatile indoor or outdoor placement of heater
- Direct-fired = 99.97% fuel efficiency
- High volume of air output for maximum heat distribution
- Dependable, electronic spark ignition
- Switch fuels easily with simple valve turn on dual fuel units
- Tri-shield finish provides superior protection against abrasion and corrosion
- Built-in go or no go diagnostic system for maximum safety and ease of troubleshooting
- Easy to transport
- Vent mode for circulation of air
- Dual fuel models include dual fuel regulator
- 20' remote start thermostat standard
- 12' extendable ducting (optional-part #26346 (12") for 80 & 170 models, and part #22835 (18") for 350 models)
- CSA certified

PREMIER	80	170	170 DF	350	350 DF
<b>Btu/h Rating</b>	80,000	170,000	170,000	175,000/350,000	350,000
<b>Heated Air Output (CFM)</b>	450	1,200	1,200	2,500	2,500
<b>Fuel Consumption (max.)</b>					
<b>LP Gas (lbs./hr.)</b>	3.7	7.9	7.9	16.2	16.2
<b>Natural Gas (cu.ft/hr.)</b>	80	170	170	350	350
<b>Two Stage Output</b>	No	No	No	Yes	No
<b>Amps (starting/continuous operation)</b>	5.0 / 1.5	7.3 / 5.0	7.3 / 5.0	25.0 / 9.0	25.0 / 9.0
<b>Amps (standard 15 amp circuit)</b>	Yes	Yes	Yes	Yes*	Yes*
<b>Motor Horsepower</b>	1/8	1/3	1/3	1	1
<b>Dimensions (in.)</b>					
<b>Length</b>	29.5	32.3	32.3	48.3	48.3
<b>Width</b>	13.5	24.3	24.3	28.0	28.0
<b>Height</b>	22.0	32.0	32.0	41.0	41.0
<b>Shipping Weight (lbs.)</b>	79.0	161.0	162.0	320.0	320.0

\*Amps spike over 15 during initial start-up. Check breaker capability

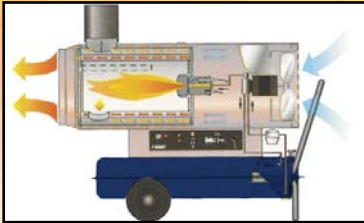
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# DIRECTOR™ INDIRECT-FIRED HEATERS



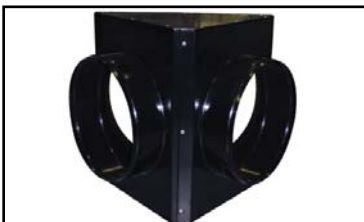
Clean dry heated air output



Built-in fuel tank provides maximum portability



Optional 16" ducting (part #24220) and adaptor (part #26986)



Direct heat in two directions with optional two way diverter (part #26983) and two 12" ducts

The vented Director heater is ideal for providing dry, clean, heat into insulated spaces, work areas, heating docks or anywhere 100% clean air is needed. L.B. White's ductable Director heater features a fuel-saving high-efficiency heat exchanger, high capacity fuel tank, and pre-heated fuel filter.



- Kerosene, #1 diesel or #1 fuel oil
- Easy to transport
- High efficiency heat exchanger for maximum fuel efficiency
- Dependable, electronic spark ignition
- High capacity fuel tank
- Pre-heated fuel filter standard
- Rugged, semi-pneumatic wheels for better maneuverability
- Remote thermostatic control available
- Water resistant control box
- Optional rain cap (part #24223)
- Optional steel exhaust pipe extension (part #28670) directs exhaust away from work area
- Automatic fuel shut-off
- Can accommodate up to 75' of ducting
- CSA certified

## DIRECTOR

	300
Btu/h Rating	259,000
Heated Air Output (CFM)	2,500
Pump Pressure (psi)	232
Fuel Consumption (max.) (gal./hr.)	2.17
Tank Capacity (gal.)	27.7
Operating Time/Tankful min. (hrs.)	12.8
Amps (starting/continuous operation)	28.4/6.5
Motor Horsepower	1
Shipping Dimensions (in.)	
Length	66.5
Width	24.4
Height	44.0
Shipping Weight (lbs.)	352

Now with two year warranty.

# TORCHMAN™, BERTHA™, AND INDUSTRIAL TORCHES



Cast iron burner on Bertha & Industrial Models



Shut-off safety valve on SV model



Extra handle (part # 25791) for maneuverability available on Torchman units

Designed for a variety of applications L.B. White heavy duty torches meet some of the industry's toughest specs. Ideal for thawing pipes, burning brush, roofing and more.



- LP and NG models available
- No regulator needed for Torchman models
- Lightweight steel and heavy duty cast iron models
- Can use year round
- Manual or pilot light
- Ships in economical quantities of 4 or 8
- Assembled handle lengths from 17.5 to 41"

## TORCHES

	Torchman SV	Torchman 500	Bertha 200	Bertha 500	Industrial 250	Industrial 400	Industrial 400-M	Industrial 365N
<b>Btu/h Rating</b>	300,000	500,000	200,000	500,000	250,000	400,000	400,000	365,000
<b>Ignition Type</b>	Manual	Manual	Manual	Manual	Pilot	Pilot	Manual	Pilot
<b>Fuel Consumption (max.)</b>								
LP Gas (lbs./hr)	14.0	23.2	9.3	23.2	11.3	18.5	18.5	-
Natural Gas (cu.ft./hr.)	--	-	-	-	-	-	-	365.0
<b>Head Type</b>	Steel	Steel	Cast Iron	Cast Iron	Cast Iron 90° Head	Cast Iron	Cast Iron	Cast Iron
<b>Assembled Length (in.)</b>	29.5	36.0	20.0	22.0	17.5	22.0	22.0	26.0
<b>Net Weight (lbs.)</b>	5.2	5.5	5.5	7.0	7.5	10.5	10.5	10.5

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## ACCESSORIES\*

### THERMOSTATS



Part #	Description	Fits Models
27508	Nema 4X Thermostat with 20' cord	Director 300
09454	Nema 4X Thermostat with 20' cord	Premier 80, 170
22920	Nema 4X 2-Stage Thermostat with 20' cord	Premier 350

### REGULATORS



Part #	Description	Fits Models
26377	Propane regulator with hand wheel connector	Premier 80 LP
26419	Propane regulator with hand wheel connector	Premier 170 LP
09795	Natural Gas regulator	Premier 80N, 170N
26423	Dual-Fuel Regulator (Propane & Natural Gas)	Premier 170DF
22916	Propane regulator with hand wheel connector	Premier 350 LP
25141	Dual-Fuel Regulator (Propane & Natural Gas)	Premier 350, 350DF
28690	Ventless Regulator	Premier 80, 170
28691	Ventless Regulator	Premier 350
21788	Propane Regulator	Torches

### GAS HOSE



Part #	Description	Fits Models
24600	1/2" x 15' Universal Gas Hose Kit c/w 5 Adapters	Universal
25960	1/2" x 20' Universal Gas Hose Kit c/w 5 Adapters	Universal
25961	1/2" x 25' Universal Gas Hose Kit c/w 5 Adapters	Universal
25965	3/4" x 15' Gas Hose	Premier 350

### DUCTING



Part #	Description	Fits Models
26346	12" x 12' Gray Duct Kit (incl. adapter ring)	Premier 80, 170
26347	12" x 12' White Duct Kit (incl. adapter ring)	Premier 80, 170
26348	12" x 12' Light Duty Duct Kit (incl. adapter ring)	Premier 80, 170
24220	16" x 20' Fire-Retardant Duct Kit	Director 300
22835	18" x 12' Gray Duct Kit (incl. adapter ring)	Premier 350
24442	18" x 12' Light Duty Duct Kit (incl. adapter ring)	Premier 350

### DIRECTOR 300



Part #	Description	Fits Models
26986	Air Duct Adapter	Director 300
28670	Steel Chimney Exhaust Pipe	Director 300
24223	Rain Cap (for Chimney Exhaust Pipe)	Director 300
26983	Two-Way Duct Adapter (allows two 12" ducts / one unit)	Director 300

**\*For a complete listing of all accessories please see our Parts and Accessories Price List**



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# BTU/H REQUIREMENTS

Determine the Btu/h needed to heat a given area.

1. Multiply room length x width x height to determine total cubic feet.
2. Locate desired rise in temperature

Example: Room is 50°F, desired temperature is 70°F = 20°F rise in temperature

3. Read Btu/h

Cubic Feet	RISE IN TEMPERATURE							
	10°F	20°F	30°F	40°F	50°F	60°F	70°F	80°F
4,000	5,320	10,640	15,960	21,280	26,600	31,920	37,240	42,560
8,000	10,640	21,280	31,920	42,560	53,200	63,840	74,480	85,120
12,000	15,960	31,920	47,880	63,840	79,800	95,760	111,720	127,680
16,000	21,280	42,560	63,840	85,120	106,400	127,680	148,960	170,240
20,000	26,600	53,200	79,800	106,400	133,000	159,600	186,200	212,800
24,000	31,920	63,840	95,760	127,680	159,600	191,520	223,440	255,360
28,000	37,240	74,480	111,720	148,960	186,200	223,440	260,680	297,920
32,000	42,560	85,120	127,680	170,240	212,800	255,360	297,920	340,480
36,000	47,880	95,760	143,640	191,520	239,400	287,280	335,160	383,040
40,000	53,200	106,400	159,600	212,800	266,000	319,200	372,400	425,600
44,000	58,520	117,040	175,560	234,080	292,600	351,120	409,640	468,160
48,000	63,840	127,680	191,520	255,360	319,200	383,040	446,880	510,720
52,000	69,160	138,320	207,480	276,640	345,800	414,960	484,120	553,280
56,000	74,480	148,960	223,440	297,920	372,400	446,880	521,360	595,840
60,000	79,800	159,600	239,400	319,200	399,000	478,800	558,600	638,400
64,000	85,120	170,240	255,360	340,480	425,600	510,720	595,840	680,960
68,000	90,440	180,880	271,320	361,760	452,200	542,640	633,080	723,520
72,000	95,760	191,520	287,280	383,040	478,800	574,560	670,320	766,080
76,000	101,080	202,160	303,240	404,320	505,400	606,480	707,560	808,640
80,000	106,400	212,800	319,200	425,600	532,000	638,400	744,800	851,200
84,000	111,720	223,440	335,160	446,880	558,600	670,320	782,040	893,760
88,000	117,040	234,080	351,120	468,160	585,200	702,240	819,280	936,320
92,000	122,360	244,720	367,080	489,440	611,800	734,160	856,520	978,880
96,000	127,680	255,360	383,040	510,720	638,400	766,080	893,760	1,021,440
100,000	133,000	266,000	399,000	532,000	665,000	798,000	931,000	1,064,000
104,000	138,320	276,640	414,960	553,280	691,600	829,920	968,240	1,106,560
108,000	143,640	287,280	430,920	574,560	718,200	861,840	1,005,480	1,149,120
112,000	148,960	297,920	446,880	595,840	744,800	893,760	1,042,720	1,191,680
116,000	154,280	308,560	462,840	617,120	771,400	925,680	1,079,960	1,234,240
120,000	159,600	319,200	478,800	638,400	798,000	957,600	1,117,200	1,276,800

The number of Btu/h may vary from the chart due to building configurations, materials, and weather variables.

# TANK SIZING

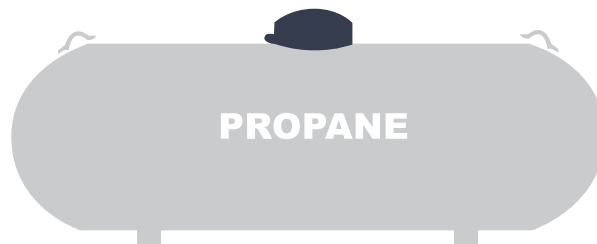
Use charts below to determine the size of the gas supply required for your heater.



## Heaters up to 250,000 Btu/h:

Average Temp °F	50°	40°	30°	20°	10°	0°	-10°
Number of 100 lb. Gas Cylinders	2	2	3	3	3	3	3

Cylinders must be manifolded together to allow simultaneous vapor withdrawal from all cylinders



## Heaters greater than 250,000 Btu/h:

500 gallon tank - 1 heater per tank  
1000 gallon tank - 2 heaters per tank

(100 lb. of propane = 23.6 gal (100/4.24))

# INDIRECT FIRED HEATERS



**FVP-400**



**FVO-400**

MODEL	FVO-400 Oil	FVN-400 Natural Gas	FVP-400 Propane
Heat Capacity	390,000 btuh	390,000 btuh	390,000 btuh
Fuel Tank Capacity	42 US gallons	External n/a	External n/a
Operating Time/ Fuel Consumption	14 hours 2.75 gal/hr	380 CFH	18.5 lbs/hr
L x W x H	70"x 29"x 52"	70"x 29"x 47"	70"x 29"x 47"
Heat Exchanger	16 gauge 304 Stainless Steel	16 gauge 304 Stainless Steel	16 gauge 304 Stainless Steel
Fan Motor	3/4 HP@1,725 rpm 2,500 CFM	3/4 HP@1,725 rpm 2,500 CFM	3/4 HP@1,725 rpm 2,500 CFM
Ignition	Direct Spark Ignition	Direct Spark Ignition	Direct Spark Ignition
Nozzle Size/ Gas Pressure	2.00 x 60B @ 170 PSI	2.0" W.C	3.2" W.C.
Air Outlet (optional)	Two 12" diameter One 16" diameter	Two 12" diameter One 16" diameter	Two 12" diameter One 16" diameter
Wheels	Two 16" diameter Pneumatic wheels	Two 16" diameter Pneumatic wheels	Two 16" diameter Pneumatic wheels
Power Requirement	115V/60Hz/1Ph/15Amp	115V/60Hz/1Ph/15Amp	115V/60Hz/1Ph/15Amp
Approvals	cETLus	cETLus	cETLus
Weight	450 lbs	365 lbs	365 lbs

## DEPENDABLE HEAT WHEREVER YOU NEED IT

170° F - 180° F outlet temperature rise

Includes proven Riello burner technology

Optional remote thermostat available

ETL approved for use in the United States and Canada

FVO-200 has a stackable frame for easy storage





# INDIRECT FIRED HEATERS



**FVO-200**



**FVP-200**

MODEL	FVO-200 Oil	FVN-200 Natural Gas	FVP-200 Propane
Heat Capacity	200,000 btuh	200,000 btuh	200,000 btuh
Fuel Tank Capacity	23 US gallons	External N/A	External N/A
Operating Time/ Fuel Consumption	15 hours 1.50 Gal/hr	190 CFH	9.25 lbs/hr
L x W x H	51.5" x 27" x 43.5"	53.5" x 27" x 39.5"	53.5" x 27" x 39.5"
Heat Exchanger	18 gauge 304 Stainless Steel	18 gauge 304 Stainless Steel	18 gauge 304 Stainless Steel
Fan Motor	1/2 HP@1,725 RPM 1,500 CFM	1/2 HP@1,725 RPM 1,500 CFM	1/2 HP@ 1,725 RPM 1,500 CFM
Ignition	Direct Spark Igniter	Direct Spark Igniter	Direct Spark Igniter
Nozzle Size/ Gas Pressure	1.25 x 60B @ 145PSI	3.5" W.C.	3.5" W.C.
Air Outlet	One 12" diameter	One 12" diameter	One 12" diameter
Wheels	Two 12" pneumatic/ Two 6" swivel Lockable casters	Two 12" pneumatic/ Two 6" swivel Lockable casters	Two 12" pneumatic/ Two 6" swivel Lockable casters
Power Requirement	115V/15 Amp	115V/15 Amp	115V/15 Amp
Approvals	cETLus	cETLus	cETLus
Weight	330 lbs	280 lbs	280 lbs

## OPTIONS

For all FV-Series



12" x 12 ft Hitex Ducting



Remote Thermostat Control  
with 25 ft Cord



# INDIRECT FIRED HEATERS



MODEL	FVO-750	FVNP-750
	<b>OIL</b>	<b>DUAL FUEL - LP/NG</b>
Heat Capacity	750,000 btuh	750,000 btuh
Temperature Rise	130° F	130° F
Heat Exchanger	16g 304 S/S	16g 304 S/S
Fan Motor	7.5 hp	7.5 hp
	7000 cfm	7000 cfm
Fan Control	VFD standard	VFD standard
Ignition	Direct Spark Ignition	Direct Spark Ignition
Nozzle Size / Gas Pressure	4.50x60W @ 160 PSI	Propane - 1.5" W.C. Natural Gas - 2.2" W.C.
Air Outlet	Two 16" diameter	Two 16" diameter
Air Inlet	Two 16" diameter	Two 16" diameter
Power Requirements	1 ph / 208-230v	1 ph / 208-230v
	or 3 ph / 208-230v	or 3 ph / 208-230v
Amperage Draw	18 amp @ 1 ph	18 amp @ 1 ph
	14 amp @ 3 ph	14 amp @ 3 ph
Approvals	cETLus	cETLus
L x W x H	98" x 36" x 61"	98" x 36" x 61"
Weight	1390 lbs	1390 lbs

# INDIRECT FIRED HEATERS



Riello burners used exclusively for both oil and LP / NP models. "Plug and Play" burner assembly kit sold separately to convert heater from oil to LP / NG.

Oil units include "Tiger loop" system which allows for single fuel line supply and de-aeration of fuel line providing optimum burner performance.

Equipped with a VFD control allows for "soft start", regulating the fan speed at start up and shut down. It also provides overload motor protection and voltage management

## STANDARD EQUIPMENT:

Both 1 phase 208-230v and 3 phase 208-230v power supply connections are included on all models. Waterproof, emergency disconnect provided.

Recessed control panel protects the indicator lights, switches and disconnects, indicator lights show proper burner operations and possible burner lockout.

The reverse inclined blower, powered by the 7.5hp TEFC motor, allows for outlet ducting over 100ft. This pressurized design provides even airflow from both duct outlets.

Proven Flagro heat exchanger design includes fully welded, 16g 304 series stainless steel



## POWERFUL, FLEXIBLE AND DEPENDABLE HEAT FOR ANY JOB

The FV-750 indirect fired heater provides 130° F. temperature rise at 7000cfm. Return air duct inlet allows for recirculation of warm inside air and/or pressurization of building as desired. Single phase or three phase power supply operates both burner and fan motor.

Includes integrated fork lift pockets and lift points.  
Easy access to burner, fuel lines and electrical controls.  
Approved for indoor and outdoor installations.



16" x 25ft Hitex Outlet Ducting  
16" x 25ft Ventflex Inlet Ducting



Remote Thermostat Control  
c/w 25ft Cord



# SELF CONTAINED HEATER TRAILERS



**FVO-1000TR**

## PORTABLE HEAT AND POWER ANYWHERE YOU NEED IT

**Includes Flagro FVOHC-400 Indirect Fired Heating Units**

**Can be equipped with 4 x 12" or 2 x 16" Duct Outlets**

**2 x 3500 lbs Dual Axle, 4 x 15" Galvanized Rims with Radial Tires**

**Solid Steel Welded Channel Frame and Floor**

**Electric Emergency Second Axle Brakes Included**

**Safety Chains, Ball or Pintle Hitch Included**

**Duct Storage Cabinet - Standard**

**Full Fuel Containment Available**

**FVO-400TRL Includes 4 x 1000W Light Tower**



**FVO-400TRL**

# SELF CONTAINED HEATER TRAILERS

<b>ENGINES:</b>	Yanmar or Kubota Liquid Cooled Diesel
	Electric Start / Glow Plugs Battery charging alternator Heavy Duty Radiator and Air Cleaner
<b>HEATERS:</b>	
FVO-1000TR	2 x FVOHC-400 Flagro Indirect Fired Heaters
FVO-400TRL	1 x FVOHC-400 Flagro Indirect Fired Heaters
<b>FUEL CONSUMPTION:</b>	
FVO-1000TR	Engine - 1.08 GPH at full load Heaters - 400,000 btuh x 2 @ 2.75 GPH 44 hour run time before refuelling
FVO-400TRL	Engine - 1.25 GPH at full load Heater - 400,000 btuh @ 2.75 GPH 38 hour run time before refuelling
<b>DUCT CABINET:</b>	Standard Duct Cabinet included on all trailers
<b>GENERATORS:</b>	Stamford Newage Generator
	Single Phase - 120 V Instrument Panel includes keyed ignition and hour meter
FVO-1000TR	8 kw @ 1800 rpm (14 HP)
FVO-400TRL	12 kw @ 1800 rpm (19.7 HP)
<b>FUEL TANKS:</b>	
FVO-1000TR	1100 litres / 299 gallons Polyethylene construction Fuel sight gauge - standard 4" fuel inlet nozzle mounted at the side of the trailer for ground access refuelling
FVO-400TRL	544 litres / 136 gallons Steel construction Fuel sight gauge - standard 4" fuel inlet nozzle including anti-splash insert
<b>DIMENSIONS:</b>	
FVO-1000TR	Length - 16 ft, Width - 7 ft-4in, Height - 6 ft Weight - 4000 lbs (empty)
FVO-400TRL	Length - 13 ft-4 in, Width - 7 ft-4 in, Height - 6 ft Weight - 4290 lbs (empty)
<b>LIGHT TOWER:</b>	
FVO-400TRL	4 x 1000 W lights 28 ft - 3 stage mast Light bulb storage cabinet - standard
<b>APPROVALS:</b>	CSA & ESA approved DOT approved trailer



# HEATER APPLICATIONS







# E-Series Electric Heaters



**E1.5**



**E9**



**40E/60E**

Patron E Series fan-forced electric heaters set the standard for heavy-duty portable electric heat. Built for prolonged use in challenging situations, they feature rugged construction, a powder coated steel housing, and a high quality sealed motor. Each unit is equipped with overheat protection (at 104°F) and a durable outer steel casing that stays cool even when the heater is running. They are capable of a very quick and high temperature rise, with the uni-directional fan distributing warm air constantly. The E Series heaters are sure to meet the expectations of any job site or application.

- For heating, drying, and ventilating
- Integrated ambient thermostat from 32°F - 104°F
- Overheat protection at 104°F
- Durable steel casing with powder coating
- Stainless jacketed heating coils
- Fast, high temperature rise with uni-directional fan
- User-friendly and proven reliability
- UL and CSA Approved

## NEW

	<b>E1.5</b>	<b>E3</b>	<b>E6</b>	<b>E9</b>	<b>18E-1</b>	<b>18E-3</b>	<b>40E</b>	<b>40ECA</b>	<b>60E</b>
<b>BTU/Hour</b>	5,100	10,200	20,500	30,700	65,000	65,000	136,500	136,500	205,000
<b>Watts</b>	1.5 kW	3 kW	6 kW	9 kW	18 kW	18 kW	40 kW	40 kW	60 kW
<b>Volts</b>	120	240	240	240	240	240	480	575	480
<b>Amps</b>	12.5	12.5	25	37.5	81	47	60	50	75
<b>Thermostat</b>	32-100 F	32-100 F	32-100 F	32-100 F	32-100 F	32-100 F	32-100 F	32-100 F	32-100 F
<b>Phase</b>	1	1	1	1	1	3	3	3	3
<b>Airflow</b>	116 cfm	205 cfm	250 cfm	350 cfm	590 cfm	590 cfm	1765 cfm	1765 cfm	1765 cfm
<b>Weight</b>	13.7 lbs	20.3 lbs	32.9	39.9 lbs	52 lbs	52 lbs	125 lbs	125 lbs	130 lbs
<b>L x W x H</b>	11x12x8	14x15x10	20x17x12	23x18x12	30 x14x18	30 x14x18	46x20x25	46x20x25	46x20x25
<b>Cord</b>	10'	10'	10'	10'	Not Incl.	Not Incl.	Not Incl.	Not Incl.	Not Incl.
<b>Duct Ring</b>	N/A	N/A	N/A	N/A	N/A	N/A	14"	14"	14"
<b>Origin</b>	Finland	Finland	Finland	Finland	Finland	Finland	Finland	Finland	Finland

**1-800-818-1199**

**info@rentquip.com**

**VISIT US ONLINE AT [WWW.PATRONPRODUCTS.COM](http://WWW.PATRONPRODUCTS.COM)!**



## **Why Electric Heat?**

**The demand for Electric Heat is growing every year.  
Here's why you should be ahead of the curve.**

**100% Efficiency**

**No ventillation required - Zero Exhaust**

**Requires less cleaning**

**Minimalist design means heaters can be repaired easily**

**Downtime for refuelling and maintenance is eliminated or drastically reduced**

**Low capital and installation costs**

**Zero risk of fuel spills / Reduced clean up costs**

**Green, environmentally-friendly heat**

	<b>Efficiency of Fuel</b>	<b>Cost per Million BTUs</b>
<b>Electricity</b>	<b>100%</b>	<b>\$34.15</b>
<b>Propane</b>	<b>65%</b>	<b>\$44.81</b>
<b>Diesel</b>	<b>80%</b>	<b>\$39.55</b>
<b>Natural Gas</b>	<b>65%</b>	<b>\$15.90</b>

**Prices are based on the national average for all U.S. States**



**Standardize on the most reliable brand, and cover all the bases.**  
**With 8 models, we carry a heater for every voltage and amperage that your job could ever require**



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## **VENTE • LOCATION • RÉPARATION**

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**FOURNITURES INDUSTRIELLES  
ÉQUIPEMENTS DE LA CONSTRUCTION  
MOTEURS ÉLECTRIQUES  
AIR COMPRIMÉ  
POMPES ET ACCESSOIRES  
MANUTENTION ET EMBALLAGE  
MACHINERIE À BOIS ET À MÉTAL  
PRODUITS SANITAIRES  
ÉQUIPEMENT DE SÉCURITÉ**

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