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APPROVED**



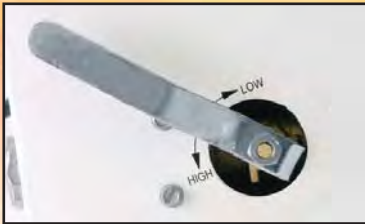
**New
Radiant
Products!**



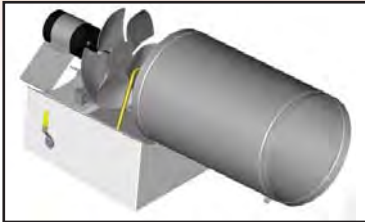
**PORTABLE HEATING
CONSTRUCTION**

- Tradesman
- Tradesman K
- Norseman
- Workman
- New** Sun Blast
- Premier
- Director
- Torches

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
Btu/h Rating	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
Heated Air Output (CFM)	350	625	625	625	625	1,582	1,582
Fuel Consumption (max.)							
LP Gas (lbs./hr.)	4.6	7.2	7.2			18.5	18.5
Natural Gas (cu.ft./hr.)				155	155		
Amps (starting/continuous operation)	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
Service Saver			Yes		Yes		Yes
Dimensions (in.)							
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
Shipping Weight (lbs.)	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!

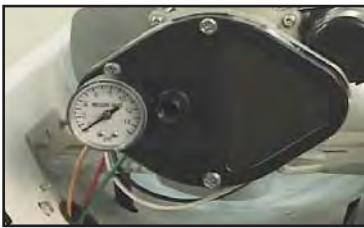
TRADESMAN® FORCED AIR KEROSENE HEATERS



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



Temperature display and thermostat help control fuel usage



Includes pressure gauge for easy serviceability (K45 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.



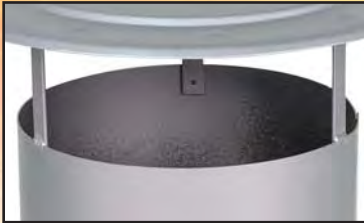
- Kerosene, #1 and #2 diesel or #1 fuel oil
- Dependable dual-prong electronic spark ignition
- Durable composite fuel fittings for max life
- Fuel gauge indicates remaining run time
- Comfort control thermostat (K75 and up)
- Wheels and handles make it easier to maneuver (K125 and up)
- Threaded drain 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

	K45	K75	K125	K175	K210	K400	K650
Btu/h Rating	45,000	75,000	125,000	175,000	210,000	400,000	650,000
Heated Air Output (CFM)	175	265	520	600	650	1,400	3,600
Pump Pressure (psi)	2.8	3.8	5.5	6.5	8.5	125	110
Fuel Consumption (max.) (gal./hr.)	0.4	0.6	0.95	1.3	1.6	3.0	4.9
Tank Capacity (gal.)	5	5	10	13	13	29	50
Operating Time/Tankful min. (hrs.)	12.5	8.3	10.5	10.0	8.0	9.5	10.0
Amps (continuous operation)	1.6	1.6	2.5	3.2	3.7	4.4	7.1
Motor Horsepower	1/8	1/8	1/5	1/4	1/3	1/2	3/4
Dimensions (in.)							
Length	32.0	32.0	37.5	43.5	43.5	52.5	69.2
Width	11.8	11.8	22.4	23.9	23.9	32.0	30.7
Height	16.8	16.8	24.9	26.6	26.6	34.0	48.7
Shipping Weight (lbs.)	30.0	30.0	55.0	60.0	65.0	155.0	298.0

Now with two year warranty.

NORSEMAN™ CONVECTION HEATERS



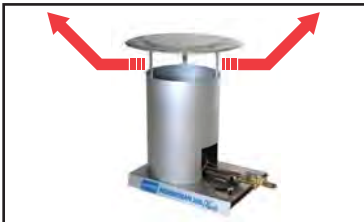
Heaviest gauge steel body available in a convection heater.



Rugged cast iron burner for long life



Adjustable output control saves fuel

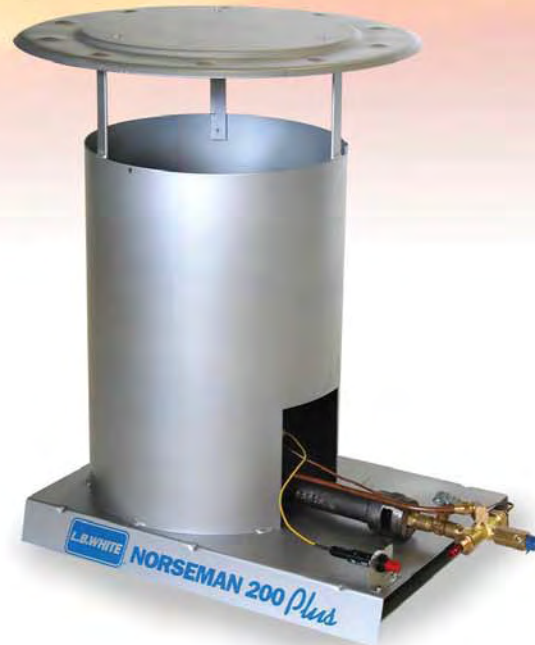


Unique top design provides superior distribution of heat



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

NORSEMAN

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

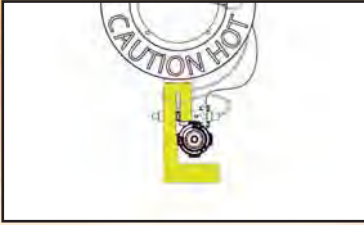
	100N Plus	225 Plus
Btu/h Rating	100,000	40,000-225,000
Fuel Consumption (max.)		
LP Gas (lbs./hr.)	-	10.2
Natural Gas (cu.ft./hr.)	100	-
Dimensions (in.)		
Length	16.5	16.5
Width	15.0	15.0
Height	25.0	25.0
Shipping Weight (lbs.)	21.0	21.5

Now with two year warranty.

Proudly made in USA
for over 60 years!



SUN BLAST™ TANK TOP RADIANT HEATERS



Safety tip over bracket



No electricity required

Tank top heaters easily fit on your standard 20 lb. LP tank and provide great spot heat. Radiant heaters heat like the sun, heating objects not the air. Units are available in single or double head models and don't require electricity.



*Product image shown here may differ from actual product purchased

- LP models
- Fit on your standard 20 lb. LP cylinder
- Manual ignition
- Direct-fired = 99.97% fuel efficiency
- Front and back protective grill
- No assembly required
- For outdoor use
- Shuts off with loss of flame

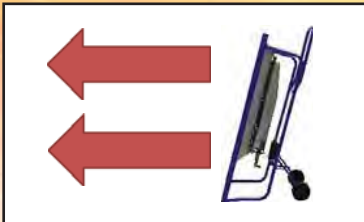
**NEW
Product**

SUN BLAST

	15	30
Btu/h Rating	15,000	15,000 / 30,000
Operating Time (20 lb LP cylinder)	28 hrs	28 hrs. / 14 hrs.
Dimensions (in.)		
Length	8.5	17.5
Width	6.5	6.5
Height	12.5	18.0
Shipping Weight (lbs.)	4.0	8.0

Two year warranty.

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

**NEW
Product**

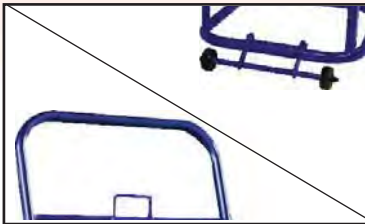
SUN BLAST		35
Btu/h Rating		35,000
Fuel Consumption (max.)		
LP Gas (lbs./hr.)		1.6
Operating Time (20 lb LP cylinder)		12.5 hrs.
Shipping Dimensions (in.)		
Length		12.4
Width		10.4
Height		37.5
Shipping Weight (lbs.)		30

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

**NEW
Product**

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

SUN BLAST

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

Two year warranty.

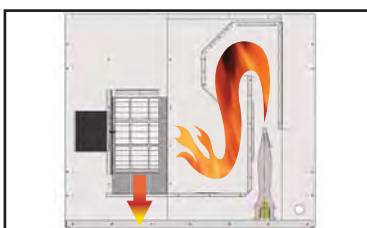
PREMIER® DUCTABLE UNIT HEATERS



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

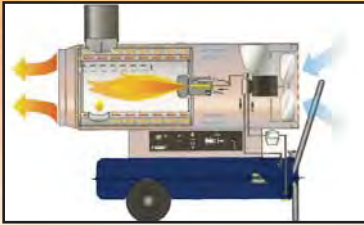
	80	170	170 DF	350	350 DF
Btu/h Rating	80,000	170,000	170,000	175,000/350,000	350,000
Heated Air Output (CFM)	450	1,200	1,200	2,600	2,600
Fuel Consumption (max.)					
LP Gas (lbs./hr.)	3.7	7.9	7.9	16.2	16.2
Natural Gas (cu.ft/hr.)	80	170	170	350	350
Two Stage Output	No	No	No	Yes	No
Amps (starting/continuous operation)	5.0 / 1.5	7.3 / 5.0	7.3 / 5.0	35.0 / 14.0	35.0 / 14.0
Amps (standard 20 amp circuit)	Yes	Yes	Yes	Yes	Yes
Motor Horsepower	1/8	1/3	1/3	1	1
Dimensions (in.)					
Length	29.5	32.3	32.3	48.3	48.3
Width	13.5	24.3	24.3	28.0	28.0
Height	22.0	32.0	32.0	41.0	41.0
Shipping Weight (lbs.)	81.0	161.0	162.0	320.0	320.0

Now with two year warranty.

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for over 60 years!



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

TORCHES	Torchman SV	Torchman 500	Bertha 200	Bertha 500	Industrial 250	Industrial 400	Industrial 400-M	Industrial 365N
	Btu/h Rating	300,000	500,000	200,000	500,000	250,000	400,000	400,000
Ignition Type	Manual	Manual	Manual	Manual	Pilot	Pilot	Manual	Pilot
Fuel Consumption (max.)								
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
Head Type	Steel	Steel	Cast Iron	Cast Iron	Cast Iron 90° Head	Cast Iron	Cast Iron	Cast Iron
Assembled Length (in.)	29.5	36.0	20.0	22.0	17.5	22.0	22.0	26.0
Net Weight (lbs.)	5.2	5.5	5.5	7.0	7.5	10.5	10.5	10.5

Now with two year warranty.

Proudly made in USA
for over 60 years!



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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for over 60 years!



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

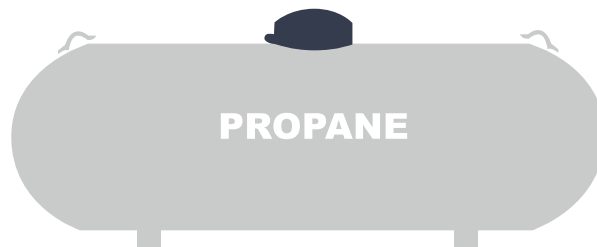
Use charts below to determine the size of the gas supply required for your heater.



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))

L.B. WHITE COMPANY, INC.

Based in Onalaska, Wisconsin, L.B. White Company is America's leading designer, manufacturer and marketer of propane, natural gas and kerosene heaters for construction, agricultural, tent and greenhouse environments.

Founded in 1952, L.B. White offers over 60 years of leadership in heating design and manufacturing expertise. Through the course of the company's history, L.B. White has established a significant leadership position in markets around the world by delivering innovative products and quality service that meet the evolving needs of our customers.



TWO YEAR WARRANTY!

L.B. White is proud to offer the industry's first and only **two (2) year limited warranty**. As a supplier of commercial grade products to professionals in the construction and industrial supply markets, we believe you need to trust in the quality and durability of the products you use every day. That's why our heaters are backed by a two year warranty, a first for portable heaters and torches. To see the full details, contact us at literature@lbwhite.com, or call at 800-345-7200 and ask to see our full warranty.



NOTES



Innovative Heating Solutions

Your L.B. White Dealer:

411 Mason Street
Onalaska, Wisconsin 54650
(800) 345-7200 - (608) 783-5691
(608) 783-6115 fax
www.lbwhite.com

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