

LASER CLEAN VENTED HEATING SYSTEMS

HIGH-TECH FEATURES - SAFE, RELIABLE OPERATION

Presenting The Most Fuel-Efficient Oil Heaters

SPECIFICATIONS

MODEL	LASER 301/302	LASER 531/532	LASER 60AT	LASER 731/732
Fuel Type: (All models use the same)	Ultra Low Sulfur Heating Oil (ULSHO) or Ultra Low Sulfur Diesel Fuel (ULSD) (ASTM D975 S15), Low Sulfur No. 1 Fuel (ASTM D396 S500), or K-1 Kerosene (ASTM D3699)			
AFUE:	87%	87%	87%	87%
Heat Rating: BTU's/Hr.				
High	15,000	22,000	30,000	40,000
Medium	10,100	15,000	21,000	27,000
Low	5,310	8,000	12,000	15,000
Fuel Consumption: Gal/Hr. (L/Hr.)				
High	0.11 (0.41)	0.17 (0.63)	0.23 (0.87)	0.30 (1.14)
Medium	0.08 (0.29)	0.11 (0.43)	0.16 (0.61)	0.20 (0.77)
Low	0.04 (0.15)	0.06 (0.23)	0.10 (0.36)	0.11 (0.43)
Dimension: Inches (MM)				
Width	17-3/8 (440)	19-5/8 (496)	30 (760)	30 (760)
Height	21-3/4 (555)	23-5/8 (600)	24 (610)	27-1/2 (700)
Depth	15-1/8 (385)	16-1/2 (418)	19 (482)	16-3/4 (427)
Weight: Lbs. (kg)	31 (14)	38 (17)	77 (35)	75 (34)
Electrical Rating: All models use 120 volts @ 60 Hz				
Preheat	240 W	240 W	280 W	260 W
Burning	23 W	48 W	60 W	54 W
Typical Room Size*				
	600 sq. ft. (0 F)	920 sq. ft. (0 F)	1250 sq. ft. (0 F)	1670 sq. ft. (0 F)
	720 sq. ft. (20 F)	1150 sq. ft. (20 F)	1500 sq. ft. (20 F)	2000 sq. ft. (20 F)
Type of Tank**				
	External	External	External	External

* 0 F HEAT LOAD = 24 BTU/FT²/HR
 20 F HEAT LOAD = 20 BTU/FT²/HR
 ROOM SIZE FOR WHICH THIS HEATER IS SUITABLE WILL VARY DEPENDING ON OUTSIDE TEMPERATURE,
 HOUSE INSULATION, WINDOW SIZES, AND OTHER FACTORS.
 ** FUEL TANK TO BE PURCHASED SEPARATELY.

OPTIONAL PARTS & ACCESSORIES

- FLUE PIPE EXTENSION
 FOR WALLS 9" TO 13" (PART# 20479887)
 FOR WALLS 13" TO 16" (PART# 20479873)
 FOR WALLS 16" TO 20" (PART# 20479874)
 FOR WALLS 20" TO 24" (PART# 20479875)
- EXTENSION PIPE KIT
 SMALL - EXTENDS PIPE ASSEMBLY 12-5/8" TO 19-5/8" (PART# 20479896)
 MEDIUM - EXTENDS PIPE ASSEMBLY 22-1/2" TO 39-3/8" (PART# 20479897)
 LARGE - EXTENDS PIPE ASSEMBLY 61-3/4" TO 78-3/4" (PART# 20479898)
- LIFTER PUMP MODEL OPT-101 (PART# 20477600)
- FLEXIBLE EXHAUST PIPE
 MEDIUM PIPE 11-3/4" (PART# 20479888)
 LONG PIPE 19-3/4" (PART# 20479889)
- PRESSURE REDUCING VALVE (PART# 10005099)



TOYOTOMI

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with
 Direct Vent Heating
 and
 Wi-Fi Compatibility

only from
TOYOTOMI

TOYOTOMI Laser Direct Vent Heaters

The most fuel-efficient, energy saving heaters available, and they're only the **size of a suitcase!**



Weekly Timer Operation allows for up to 30 different Set-Back temperatures. The Weekly Timer can be used to change the temperature for different days of the week and several times during the day.

The revolutionary TOYOTOMI Laser Direct Vent Heaters, with their whisper-quiet comfort, safety and dependability, are the most popular, best-selling, direct vent heating systems in Alaska. With multiple options to choose from, a Laser Direct Vent Heater can often heat an entire home. It is also the perfect solution for those hard-to-heat rooms or areas. Laser Heaters are ideal for heating summer homes or cabins, and are certified for installation in mobile homes and manufactured housing. More than half a million satisfied customers trust their home's heat to TOYOTOMI.

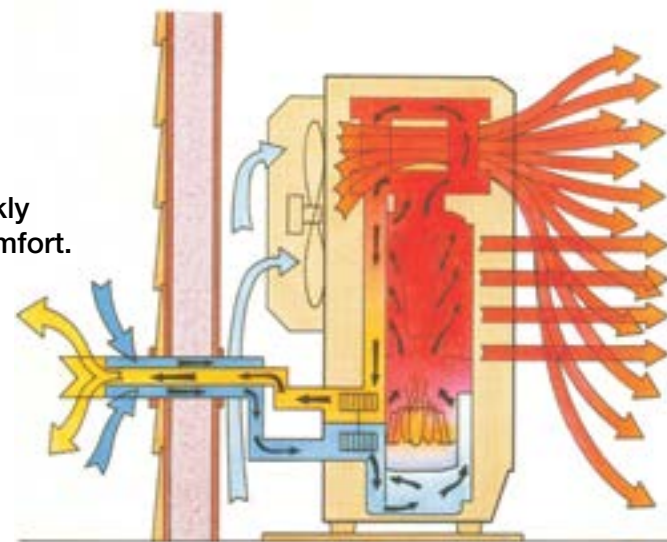
MOST EFFICIENT AND ECONOMICAL

- Uses up to 50% less fuel for heating comparable size areas than conventional oil-fired heating systems at a fraction of the cost
- The only oil-fired modulating burner in North America (increases efficiency)
- Pays for itself in fuel savings in just a few short years

COMFORTABLE AND WI-FI COMPATIBLE*

The Laser series large circulation fan distributes heat quickly and evenly in order to maintain and optimize maximum comfort.

- Automatically regulate between low, medium and high temperature settings
- New Wi-Fi feature allows changing temperature remotely from app on your Apple or Android device
- Self shut-off when room rises approximately 4° above the desired temperature



CLEAN, SAFE & ODORLESS

Advanced heating pipe-within-a-pipe forced flue venting system creates smokeless, odorless, clean heating.

- **LOWER EMISSIONS** (up to 50% less CO²) than conventional oil-fired heating systems
- Circulating fan distributes heat quickly and evenly
- Cool-to-the-touch cabinet
- Permanent mesh filter protects circulation fan and interior components from dust
- Shut-off safety system

EASY INSTALLATION

Owner's manual provides complete, step-by-step instructions that are helpful and easy to understand.

- Installation takes about three hours, or less
- Vents through a side wall using the direct vent kit which is included with heater
- Full range of optional parts and accessories available offers a variety of different installations



The Laser Series flue pipe makes venting to outside simple and easy. Completely flexible, it adjusts to wall thickness. A small vent cap is all that can be seen from the outside. Outside pipe brings in outside air for combustion. Inside pipe exhausts all combustion by-products to outside.

TOYOTOMI FUEL OPTIONS

TOYOTOMI Vented Heaters use the following fuels:

- Ultra Low Sulfur Heating Oil (ULSHO)
- Ultra Low Sulfur Diesel (ULSD)
- #1 Low Sulfur Fuel Oil, or K-1 Kerosene

Check with your local fuel oil dealer for which of these fuels are available in your area.

*All above models are Wi-Fi compatible except the Laser 60AT