Shizuoka Seiki

Wherever and Whenever you need it.

INFRARED HEATER

VAL6 SERIES

http://www.shizuoka-seiki.co.jp/eg.html
VAL6 is the most fuel efficient space heater on the market

This feature has unmatched value providing many applications. The VAL6 can start up or shut off in seconds and reaches peak efficiency in less than a minute. Since the VAL6 doesn't lose heat to the air, it uses less fuel and BTU's to go way beyond the comfort level of any standard portable heater.

Sunlight Warmth
VAL6's radiant heat penetrates evenly on and into surfaces just like sunlight.

Best Choice for Outdoors
VAL6's performance is unique in the outdoors and unlike forced air heaters, which lose heat from wind and cold air.

No Air Movement  Dust Free
VAL6 generates straightforward infrared heat which is unaffected by air flow, thus creating a comfortable and dust-free environment.

Odorless
VAL6's perfect combustion system produces no odor and no smoke while running. The exhaust gas goes upward.

Wherever and whenever

Straight Heating / Drying
The advantage of spot heating is that only needed areas are heated. (I.e. in large warehouses, open sheds and even outdoors etc.) Radiant heat travels in straight lines and does not rise to the ceiling like hot air.
INFRARED HEATER
VAL6 SERIES LINEUP

VAL6 EPX5
EPX5 is the most powerful yet efficient VAL6 heater with the enlarged combustion chamber or disk and improved atomization.

VAL6 KBE5S
KBE5S offers high efficiency and low fuel consumption in a portable heater.

Application Examples
The VAL6 can be used both as a heater and dryer. Its rugged construction enables it to provide dependable service anywhere. Indoors, outdoors, factories, warehouses, construction sites - when you want the very best - request the VAL6.

Heating in a large warehouse
VAL6 KBE5L 2-step
A new KBE5L has two stage heat output and equips a larger tank enabling it to operate continuously for about 16 hours in high and 20 hours in low.

VAL6 Daystar
Daystar adopts a dual heating system of radiant heat and convection heat.

Warms up machines and personnel
Winter construction: heats up materials, machines, and working sites
Drying surface
Personal heating
INFRARED HEATER
VAL6 SERIES
OWN THE SUN

Comparison Diagram for Temperature Distribution
VAL6 KBE5S VS FORCED-AIR HEATER

[ Lateral View ]

VAL6 KBE5S
HEAT CAPACITY: 111,000 BTU/hr

[ Top View ]

FORCED AIR HEATER
Forced-air Heater
Heat Capacity: 280,000 BTU/hr
Capacity: 1,940 CFM
### Valve Specification

<table>
<thead>
<tr>
<th>Item/Model</th>
<th>EPX</th>
<th>KBE5S</th>
<th>KBE5L 2-step</th>
<th>Davstar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heat Output (BTU/h)</td>
<td>High: 140,000</td>
<td>110,000</td>
<td>High: 118,000</td>
<td>51,800</td>
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<tr>
<td>Low: 100,000</td>
<td></td>
<td></td>
<td>Low: 100,000</td>
<td></td>
</tr>
<tr>
<td>Fuel</td>
<td></td>
<td></td>
<td>Kerosene, Diesel</td>
<td>120V 60Hz Single phase</td>
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<tr>
<td>Power Source</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tank Capacity (gallons)</td>
<td>15.4</td>
<td>9.0</td>
<td>15.1</td>
<td>2.6</td>
</tr>
<tr>
<td>Fuel Consumption (gallons/h)</td>
<td>High: 1.02</td>
<td>0.65</td>
<td>High: 0.90</td>
<td>0.4</td>
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<tr>
<td>Low: 0.75</td>
<td></td>
<td></td>
<td>Low: 0.75</td>
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</tr>
<tr>
<td>Continuous Operating Time (hours)</td>
<td>High: 15</td>
<td>10</td>
<td>High: 15</td>
<td>6</td>
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<tr>
<td>Low: 20</td>
<td></td>
<td></td>
<td>Low: 20</td>
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<tr>
<td>Power Consumption (W) in operation</td>
<td>120</td>
<td>100</td>
<td>150</td>
<td>120</td>
</tr>
<tr>
<td>90(High)/89(Low)</td>
<td>80</td>
<td>120</td>
<td>105</td>
<td></td>
</tr>
<tr>
<td>Safety Device</td>
<td>Photocell flame monitor</td>
<td>Photocell flame monitor</td>
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<tr>
<td>3A Fuse</td>
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<td>3A Fuse</td>
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</tr>
<tr>
<td>Overheat protection</td>
<td>Tip-over switch</td>
<td>Tip-over switch</td>
<td>Overheat protection</td>
<td>Tip-over switch</td>
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<tr>
<td>Overvoltage detector</td>
<td></td>
<td></td>
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<tr>
<td>External Dimension H×W×D (in)</td>
<td>38.2×25.4×48.8</td>
<td>36.4×27.9×27.4</td>
<td>36.3×28.0×29.2</td>
<td>23.4×12.2×22.8</td>
</tr>
<tr>
<td>Dry Weight (lbs)</td>
<td>110</td>
<td>83.8</td>
<td>92.6</td>
<td>40</td>
</tr>
</tbody>
</table>

### HOT AIR SPOT HEATER

**HOTGUN HG125NA**

"Hotgun" spot space heater heats the air through its high efficiency combustion system that sports nearly a 100% fuel to energy rate.

**Temperature HG125NA**

50°F  | 70°F  | 90°F  | 112°F

To prevent fire or damage to combustible floor surfaces, always use a "Heat Shielding Mat" when operating VAL6 series.

Materials of Heat Shielding Mat:
- Glass cloth
- Aluminum film

Dimension of Heat Shielding Mat: 0.14×47.25×47.25(in(H×W×D))

### OPTIONAL ACCESSORY

**Heat Shielding Mat**

**NOTICE**

**DANGER**
- NEVER use gasoline for fuel
- NEVER operate heater near combustible materials

**WARNING**
- Do not operate heater unattended

**CAUTION**

**Fuel pre-heater**
- As ambient temperature decreases, this fuel pre-heater keeps the fuel moving smoothly.

**Guard fence**
- This guard fence can keep people away from the heater during operation.

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