

SW SERIES SHORT WAVE

SUBMITTAL DATA ELECTRIC INFRARED SPACE HEATERS

SUBMITTED BY: _____

DATE: _____

JOB TITLE: _____

CONTRACTOR: _____

ADDRESS: _____

PHONE #: _____

CITY: _____

ADDRESS: _____

PROVINCE: _____ POSTAL CODE: _____

CITY: _____

ENGINEER: _____

PROVINCE: _____ POSTAL CODE: _____

LOCAL REPRESENTATIVE: _____

PHONE: _____

NOTES: _____

| Qty. | Model Number* | | Tag | Lamp Qty. | Lamp Type* (select one) | Volts | Watts | BTU'S | Amps | Overall Unit Length | Ship Weight (Lbs.) |
|------|---------------------------|-------------------------|-----|-----------|----------------------------|-------|--------|--------|-------|---------------------|--------------------|
| | Black Powder Coat Housing | Stainless Steel Housing | | | | | | | | | |
| | SW-24B1-A16# | SW-24S1-A16# | | 1 | Clear or Ruby | 120 | 1,600 | 5,459 | 13.3 | 24 in. | 11.2 |
| | SW-24B1-B16# | SW-24S1-B16# | | | Clear or Ruby | 208 | | | 7.69 | | |
| | SW-24B1-C16# | SW-24S1-C16# | | | Clear or Ruby | 240 | | | 6.67 | | |
| | SW-24B1-G16# | SW-24S1-G16# | | | Clear or Ruby | 480 | | | 3.33 | | |
| | SW-33B1-B25# | SW-33S1-B25# | | | Clear or Ruby | 208 | 2,500 | 8,530 | 12.02 | 33 in. | 13.8 |
| | SW-33B1-C25# | SW-33S1-C25# | | | Clear or Ruby | 240 | | | 10.42 | | |
| | SW-33B1-G25# | SW-33S1-G25# | | | Clear or Ruby | 480 | | | 5.21 | | |
| | SW-46B1-G36# | SW-46S1-G36# | | | Clear or Ruby | 480 | 3,650 | 12,454 | 7.60 | 46 in. | 17.5 |
| | SW-46B1-H38# | SW-46S1-H38# | | | Clear or Ruby | 575 | | | 6.61 | | |
| | SW-24B2-B16# | SW-24S2-B16# | | 2 | Clear or Ruby | 208 | 3,200 | 10,919 | 15.38 | 24 in. | 15.7 |
| | SW-24B2-C16# | SW-24S2-C16# | | | Clear or Ruby | 240 | | | 13.33 | | |
| | SW-24B2-G16# | SW-24S2-G16# | | | Clear or Ruby | 480 | | | 6.67 | | |
| | SW-33B2-B25# | SW-33S2-B25# | | | Clear or Ruby | 208 | 5,000 | 17,061 | 24.04 | 33 in. | 21.0 |
| | SW-33B2-C25# | SW-33S2-C25# | | | Clear or Ruby | 240 | | | 20.83 | | |
| | SW-33B2-G25# | SW-33S2-G25# | | | Clear or Ruby | 480 | | | 10.42 | | |
| | SW-33B2-G36# | SW-33S2-G36# | | | Clear or Ruby | 480 | | | 15.21 | | |
| | SW-46B2-H38# | SW-46S2-H38# | | | Clear or Ruby | 575 | 7,600 | 25,932 | 13.22 | 46 in. | 24.5 |
| | SW-24B3-B16# | SW-24S3-B16# | | 3 | Clear or Ruby | 208 | 4,800 | 16,378 | 23.08 | 24 in. | 19.8 |
| | SW-24B3-C16# | SW-24S3-C16# | | | Clear or Ruby | 240 | | | 20.00 | | |
| | SW-24B3-G16# | SW-24S3-G16# | | | Clear or Ruby | 480 | | | 10.00 | | |
| | SW-33B3-G25# | SW-33S3-G25# | | | Clear or Ruby | 480 | 7,500 | 24,909 | 15.63 | 33 in. | 24.5 |
| | SW-46B3-G36# | SW-46S3-G36# | | | Clear or Ruby | 480 | 10,950 | 37,636 | 22.81 | 46 in. | 31.5 |
| | SW-46B3-H38# | SW-46S3-H38# | | | Clear or Ruby | 575 | 11,400 | 38,898 | 19.83 | | |

* # Specify Lamp Type - [W] Clear or [R] Red.

White [W] = Standard 'White/Clear' Quartz Lamps.

Red [R] = Glare Reducing 'Red' Quartz Lamps.



BRANT RADIANT HEATERS LIMITED

VISIT OUR WEBSITE FOR:



34 Scott Ave.
Paris, ON N3L 3R1

Phone: (519) 442-7823
Toll Free: (800) 387-4778
Fax: (519) 442-7321
Email: sales@brantradiant.com
Website: www.brantradiant.com

- Product Specs
- Parts Support
- Dealer Locator
- Applications
- C.A.D. Library
- Design Guidelines
- Theory of Infrared
- and More!

LSSW-1M-2/11_r2.7/12(DRP)

SW SPECIFICATIONS

HEATER CONSTRUCTION (Choose)

- Black powder-coat aluminized steel housing.
- 304 brushed stainless steel housing for added durability and corrosion resistance.

LAMP ELEMENTS

- Coiled tungsten filament housed within a sealed quartz tubing.
- Porcelain end caps w/ 6" wire pigtail leads.
- Instantaneous heat-up & cool-down.
- Clear quartz.
- Optional glare reduction ruby quartz.

CONTROLS

- Field supplied.

ELECTRICAL SUPPLY

- Voltages from 120 to 575 VAC.
- Single-phase or three-phase.
- 1,600 to 3,800W per element.

MOUNTING

- 0° to 45° adjustable brackets.

REFLECTORS

- Highly polished aluminum.
- Wide, symmetric design.

APPROVALS

- ETL Listed for indoor and outdoor applications.
- Commercial/Industrial Approval.
- CSA 22.2 #46 - M1988.
- UL 2021, 1997.

LIMITED WARRANTY

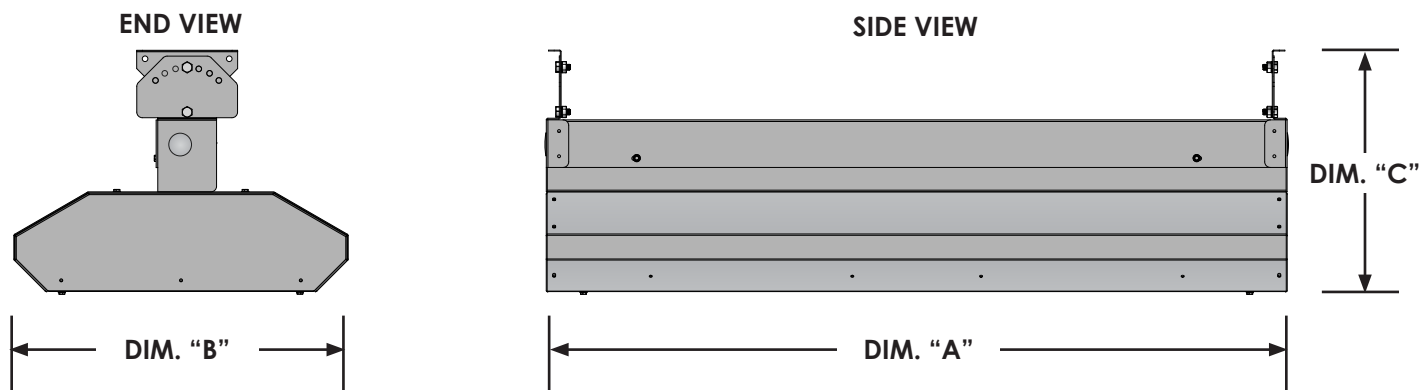
- All components - 1 year.
- Please contact the factory for further information on the terms and conditions.

WWW.REVERBERRY.COM

- Product literature.
- Aftermarket parts support.
- Representative locator.
- C.A.D. design library.
- Troubleshooting guide.

FIELD DATA

DIMENSIONAL INFORMATION



| MODEL NUMBER | LAMP QTY. | DIM A INCHES (MM) | DIM B INCHES (MM) | DIM C INCHES (MM) |
|--------------|-----------|-------------------|-------------------|-------------------|
| SW-24 | 1 | 24.00 (610) | 9.25 (235) | 10.75 (273) |
| | 2 | | 15.00 (381) | |
| | 3 | | 20.75 (527) | |
| SW-33 | 1 | 33.00 (838) | 9.25 (235) | 10.75 (273) |
| | 2 | | 15.00 (381) | |
| | 3 | | 20.75 (527) | |
| SW-46 | 1 | 46.00 (1169) | 9.25 (235) | 10.75 (273) |
| | 2 | | 15.00 (381) | |
| | 3 | | 20.75 (527) | |

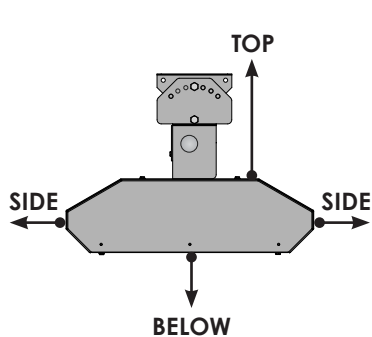
OPTIONAL ACCESSORIES

| QTY. | PART NO. | DESCRIPTION | NOTES |
|------|----------|-------------|-------|
| | | | |
| | | | |
| | | | |
| | | | |

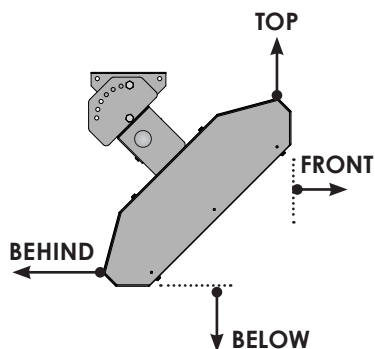
CLEARANCES TO COMBUSTIBLES (IN.)

| MODEL NO. | LAMP QTY. | VOLTS | WATTS | BTU/H | MOUNTING | | SIDE | | END | TOP | BELOW |
|-----------|-----------|-------|--------|--------|----------|-------|---------|----|-----|-----|-------|
| | | | | | ANGLE | FRONT | BEHIND* | | | | |
| SW-24 | 1 | 120 | 1,600 | 5,459 | 0° | 24 | 24 | 24 | 6 | 40 | |
| | | 208 | | | | | | | | | |
| | | 240 | | | | | | | | | |
| | | 480 | | | | | | | | | |
| | 2 | 208 | 3,200 | 10,919 | 0° | 24 | 24 | 24 | 6 | 56 | |
| | | 240 | | | | | | | | | |
| | | 480 | | | | | | | | | |
| | 3 | 208 | 4,800 | 16,378 | 0° | 24 | 24 | 24 | 6 | 72 | |
| | | 240 | | | | | | | | | |
| | | 480 | | | | | | | | | |
| SW-33 | 1 | 208 | 2,500 | 8,530 | 0° | 24 | 24 | 24 | 6 | 46 | |
| | | 240 | | | | | | | | | |
| | | 480 | | | | | | | | | |
| | 2 | 208 | 5,000 | 17,065 | 0° | 24 | 24 | 24 | 6 | 72 | |
| | | 240 | | | | | | | | | |
| | | 480 | | | | | | | | | |
| | 3 | 480 | 7,500 | 24,909 | 0° | 24 | 24 | 24 | 6 | 84 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| SW-46 | 1 | 480 | 3,650 | 12,454 | 0° | 24 | 24 | 24 | 6 | 62 | |
| | | | | | 1°-45° | 62 | 24 | 24 | 10 | 62 | |
| | | 575 | 3,800 | 12,978 | 0° | 24 | 24 | 24 | 6 | 62 | |
| | | | | | 1°-45° | 62 | 24 | 24 | 10 | 62 | |
| | 2 | 480 | 7,300 | 24,909 | 0° | 24 | 24 | 24 | 6 | 84 | |
| | | | | | 1°-45° | 84 | 24 | 24 | 10 | 84 | |
| | | 575 | 7,600 | 25,955 | 0° | 24 | 24 | 24 | 6 | 84 | |
| | | | | | 1°-45° | 84 | 24 | 24 | 10 | 84 | |
| | 3 | 480 | 10,950 | 37,636 | 0° | 24 | 24 | 24 | 6 | 96 | |
| | | | | | 1°-45° | 96 | 24 | 24 | 10 | 96 | |
| | | 575 | 11,400 | 38,933 | 0° | 24 | 24 | 24 | 6 | 96 | |
| | | | | | 1°-45° | 96 | 24 | 24 | 10 | 96 | |

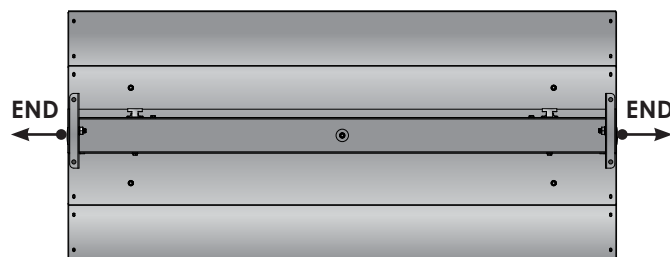
*The BEHIND clearance must maintain a minimum of 36 inches from another heater.



END VIEW 0°



END VIEW 1° to 45°



TOP VIEW

WRITTEN SPECIFICATIONS

HEATER PARAMETER/SPECIFICATIONS

- Short wave electric infrared heaters shall be furnished and installed in accordance with governing codes and as shown per drawing(s) provided. Short wave electric heaters shall be **RE-VERBER-RAY SW SERIES**, as manufactured by Detroit Radiant Products Company, Warren, MI 48089.
- Short wave infrared heaters shall be Designed Certified by ETL and bear the ETL Seal of Certification for the United States and Canada.
- The supplier shall provide manufacturer's published warranty covering all components utilized in the heater control assembly for a period of one (1) year.
- The supplier shall furnish the owner/contractor with _____ copies of the engineering specification form, showing physical dimensions, installation detail, recommendations, wiring diagrams, and spare parts list.
- An Installation, Operation, Maintenance and Parts Manual (IOPM) shall be supplied with each heater.
- The manufacturer shall have a minimum of 50 years of manufacturing experience producing infrared heaters.
- Short wave infrared heaters must be ETL Listed to operate at the designated rating of _____kW/h.
- Electric short wave infrared space heaters shall be supplied and installed in accordance with the manufacturers certified installation instructions and governing codes, as shown per building drawing(s) _____. Heaters shall be SW Series, model _____, input ranges in Watts.

SW SERIES HEATER CONTROLS

- Field supply applicable controls.
- Heaters shall operate in given voltages:

| <u>Volt</u> | <u>Phase</u> | <u>Hertz</u> |
|-------------|--------------|--------------|
| 120V | 1ph | 50/60 |
| 208V | 1ph or 3ph | 50/60 |
| 240V | 1ph or 3ph | 50/60 |
| 480V | 1ph or 3ph | 50/60 |
| 575V | 1ph or 3ph | 50/60 |

- Heaters shall operate in given wattage inputs of 1,600 to 11,400.

SHORT WAVE INFRARED HEATER CONSTRUCTION

- The heater housing shall be constructed of either black powder-coated aluminized steel or 304 brushed stainless steel.
- The heater reflector shall be constructed of highly polished aluminum with a multi-faceted design.
- The emitter tubing shall be argon filled evacuated blown quartz with high temperature ceramic end caps.
- The quartz tubing shall be opaque in color allowing maximum radiant heat transfer, or have a ruby red sleeve for reduced glare while still allowing maximum radiant heat transfer.
- The optional protective grill be bright zinc coated.
- Optional factory supplied mounting brackets shall accommodate for sidewall or ceiling mounting.