

Architectural Overhead Infrared Heaters for Indoor Spot Heating, Zone, or Total Area Heating Applications



FSA-14



FSA-31



FSA-43



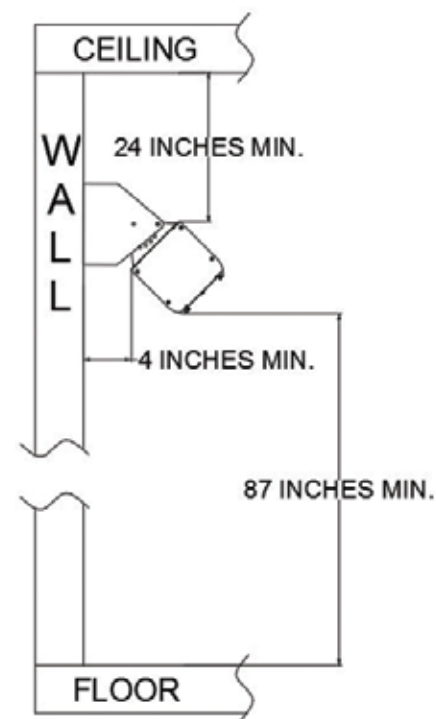
FSA-95

- ETL C/US Listed for suspended high-bay indoor or protected outdoor applications.
- Designed for spot / zone or total area heating applications.
- Heating elements included (Heavy Duty Single Flat Panel Emitter).
- Medium wave emitter operates at 78.5% radiant efficiency - with a 25,000 hour life expectancy.
- Extruded aluminum housing with a nickel-gray finish, providing a 60° symmetrical heat pattern.
- Electrical enclosure included for direct wire installation.
- Single or three-phase wiring configurations.
- "L" brackets included on the top of the heating housing for chain suspension, wall mounting, or ceiling mounting options.
- Units can be surface mounted, semi-recessed, or fully-recessed.
- Zinc plated heavy-gauge safety grills included for all models.
- Optional wall mounting bracket sold separately.
- Shipped fully assembled and made in U.S.A.

Standard Models

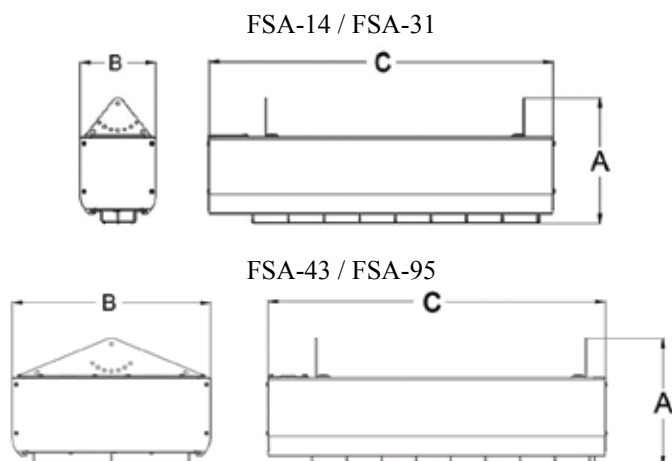
| MFG CATALOG NUMBER | MFG MODEL NUMBER | WATTS | VOLTS | PHASE | BTUs / Hr. | AMPS | | WT. (LBS) |
|--------------------|------------------|-------|-------|--------|------------|-------|-------|-----------|
| | | | | | | 1-PH | 3-PH | |
| 04889002 | FSA-1412-1 | 1450 | 120 | 1 | 4947 | 12.1 | | 13 |
| 04889102 | FSA-1420-1 | | 208 | | | 6.97 | | |
| 04889202 | FSA-1424-1 | | 240 | | | 6.04 | | |
| 04889302 | FSA-1427-1 | | 277 | | | 5.23 | | |
| 04889402 | FSA-1448-1 | | 480 | | | 3.02 | | |
| 04889502 | FSA-1457-1 | | 600 | | | 2.52 | | |
| 04889602 | FSA-3120-1 | 3150 | 208 | 1 | 10,748 | 15.14 | | 22 |
| 04889702 | FSA-3124-1 | | 240 | | | 13.13 | | |
| 04889802 | FSA-3127-1 | | 277 | | | 11.37 | | |
| 04889902 | FSA-3148-1 | | 480 | | | 6.56 | | |
| 04890002 | FSA-3157-1 | | 600 | | | 5.48 | | |
| 04890102 | FSA-4320-3 | 4300 | 208 | 1 or 3 | 14,672 | 20.67 | 11.94 | 24 |
| 04890202 | FSA-4324-3 | | 240 | 1 or 3 | | 17.91 | 10.36 | |
| 04890302 | FSA-4327-1 | | 277 | 1 | | 15.52 | | |
| 04890402 | FSA-4348-3 | | 480 | 1 or 3 | | 8.96 | 5.18 | |
| 04890502 | FSA-4357-3 | | 600 | 1 or 3 | | 7.48 | 4.32 | |
| 04890602 | FSA-9520-3 | 9500 | 208 | 1 or 3 | 32,414 | 45.67 | 26.39 | 39 |
| 04890702 | FSA-9524-3 | | 240 | 1 or 3 | | 39.6 | 22.89 | |
| 04890802 | FSA-9527-1 | | 277 | 1 | | 34.3 | | |
| 04890902 | FSA-9548-3 | | 480 | 1 or 3 | | 19.8 | 11.44 | |
| 04891002 | FSA-9557-3 | | 600 | 1 or 3 | | 16.5 | 9.54 | |

Optional Wall Mounting Brackets



| OPTIONAL WALL MOUNTING BRACKETS | |
|---------------------------------|------------------|
| MFG CATALOG NUMBER | MFG MODEL NUMBER |
| 04892002 | FSA-14-31WMB |
| 04892102 | FSA-43-95WMB |

FSA Series Dimensions



| MFG MODEL NUMBER | DIMENSIONS (in.) | | |
|------------------------|------------------|--------------|---------------|
| | "A" DEPTH | "B" WIDTH | "C" LENGTH |
| FSA-14 | 8 ½ | 5 ¾ | 26 ⅙ |
| FSA-31 | 8 ½ | 5 ¾ | 47 ⅙ |
| FSA-43 | 8 ¾ | 14 ¾ | 25 ⅙ |
| FSA-95 | 8 ¾ | 14 ¾ | 47 ⅙ |

Mounting Clearances & Recommended Mounting Height

| Mounting Clearances | | KW | Recommended Mounting Height |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------|
| All FSA Models | 24" from ceiling 36" from vertical surface & from another heater (4" when using optional mounting bracket) 72" from face of heater to combustible surface | 1.4 | 8' - 10' |
| | | 3.1 | 8' - 12' |
| | | 4.3 | 10' - 14' |
| | | 9.5 | 12' - 16' |

Sizing Chart

| MOUNTING HEIGHT | MFG MODEL NUMBER | LENGTH | WIDTH | COVERAGE (SQ. FT.) | WATTS (SQ. FT.) |
|--------------------|------------------------|--------|-------|-----------------------|--------------------|
| 8' | FSA-14 | 8 | 8 | 64 | 22.7 |
| | FSA-31 | 9 | 8 | 72 | 43.8 |
| 10' | FSA-14 | 11 | 10 | 110 | 13.2 |
| | FSA-31 | 11 | 10 | 110 | 28.6 |
| | FSA-43 | 12 | 10 | 120 | 35.8 |
| 12' | FSA-31 | 12 | 11.5 | 138 | 22.8 |
| | FSA-43 | 14 | 12 | 168 | 25.6 |
| | FSA-95 | 15 | 13 | 195 | 48.7 |
| 14' | FSA-43 | 16 | 14 | 224 | 19.2 |
| | FSA-95 | 18 | 16 | 288 | 33.0 |
| 16' | FSA-43 | 18 | 16 | 288 | 14.9 |
| | FSA-95 | 21 | 18 | 378 | 25.1 |

Product Specifications

Housing & Construction:

Extruded 6063 aluminum housing with protective grill. Powder coat silver finish for excellent durability and attractive appearance in commercial applications. ETL C/US listed for indoor, dry environments. Made in USA.

Elements:

Heavy duty flat panel emitter. Available wattages in 1450, 3150, 4300 and 9500 Watts per element. Available in standard voltages from 120 to 600 Volts.

Controls:

Flat panel emitter heaters are not manufactured with any control device on the unit. All controls and accessories should be specified as remote mounted. Please consult the technical sales department of factory for help in determining applicable controls. Please follow installation instructions that accompany each heater.

Accessories:

Optional power controls pages 76-79.

Optional - ICP Control Panels

Features



- NEMA 4 outdoor rated control box
- Door interlock disconnect switch
- Custom made to customers specifications
- SCR and proportional controls optional
- Circuit breakers sized for heater load per stage
- Please see ICP page to select panel to control one or multiple units, if required.