

Vertical Unit Heater



Applications

- Aircraft Hangars
- Factories
- Garages
- Gyms
- High Bay Areas
- Malls
- Power Generating Stations
- Shipping and Receiving Areas
- Warehouses

The UVI unit heater is designed to heat buildings with high ceilings. It may also be used to re-circulate warm air that builds up near ceilings. UVI heaters can be used as primary, supplemental or dual heating systems in commercial or industrial buildings.

- **Vertical Airflow:** Suitable for applications in high bay industrial buildings where columns, machinery or warehouse stock would obstruct horizontal air movement.
- **Air Distribution Patterns:** Three optional air diffusers produce different air distribution patterns to accommodate various applications.

Standard Construction Features

Heating Elements – Steel finned tubular elements are grounded for extra safety.

Housing – Cabinet is constructed of 18-gauge galvanized steel with an almond polyester powder paint finish.

Fan Motor – Quiet, totally enclosed motor is thermally protected.

Built-in Controls – Contactor, fan override, terminal block for remote fan control and linear automatic reset thermal cutout.

Installation Requirements – Do not install heater closer than 24 inches from walls and ceiling. Mount heaters out of reach, at least eight feet from the floor.

Factory Built-in Options

Code	Description
D1	Disconnect Switch 40A, 600V, 3-Pole
D2	Disconnect Switch 80A, 600V, 3-Pole
R1	24V Relay
R2	24V Relay with Transformer
X	120V Control, fused secondary and grounded

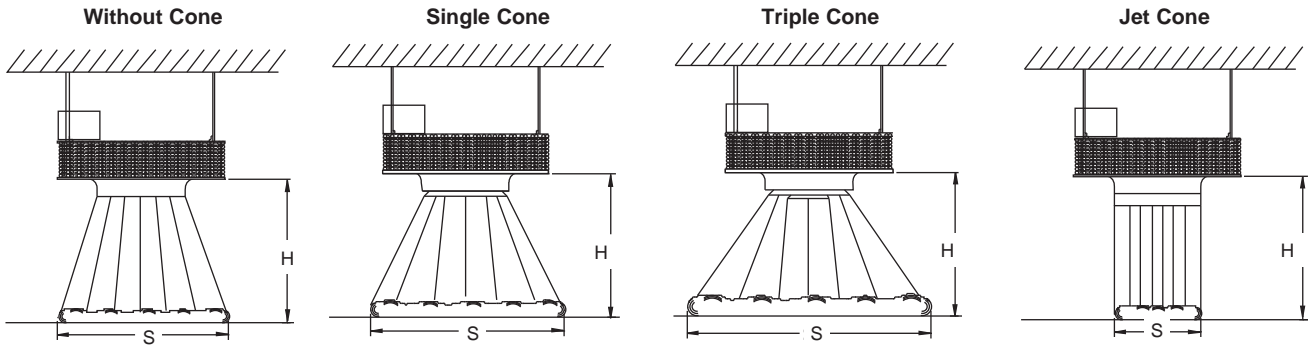
Remote Room Thermostat – See page 99

Field-Installed Options

(shipped loose for field installation into heater)

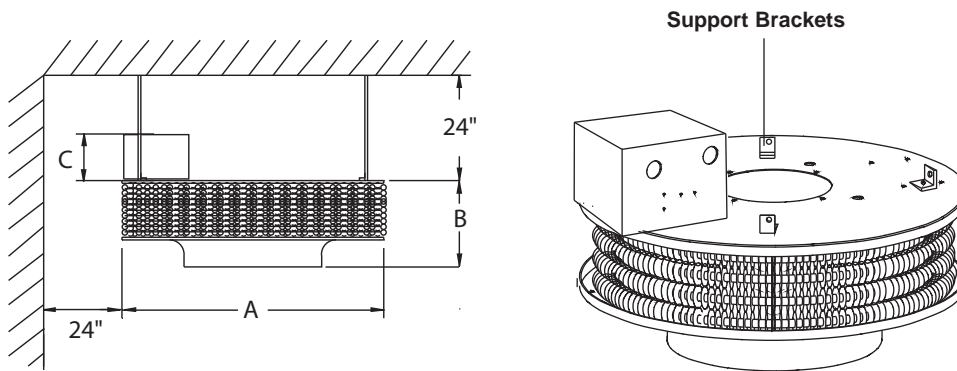
Catalog Number	Description
928-124521	Single Cone Diffuser 5-10 KW
928-124522	Single Cone Diffuser 15-30 KW
928-124523	Triple Cone Diffuser 5-10 KW
928-124524	Triple Cone Diffuser 15-30 KW
928-124525	Jet Cone Diffuser 5-10 KW
928-124526	Jet Cone Diffuser 15-30 KW
928-124527	24V Relay Kit
928-124528	24V Relay Kit with Transformer-208V
928-124529	24V Relay Kit with Transformer-240V

Air Distribution Patterns



Maximum Mounting Height

KW	Without Cone		Single Cone		Triple Cone		Jet Cone	
	H	S	H	S	H	S	H	S
	Ft (m)	Ft (m)	Ft (m)	Ft (m)	Ft (m)	Ft (m)	Ft (m)	Ft (m)
5-10	12 (4)	19 (6)	8 (3)	22 (7)	10 (3)	31 (10)	16 (5)	20 (6)
15-30	18 (6)	20 (9)	10 (4)	33 (10)	14 (4)	43 (13)	22 (7)	26 (9)



Model (Without Cone)	A	B	C
	In. (mm)	In. (mm)	In. (mm)
5-10 KW	23-1/8 (587)	8 (203)	6-15/16 (176)
15-30 KW	30-1/4 (768)	12-3/16 (310)	6-11/16 (170)

Vertical Unit Heater

Heater Listing

KW	Volts	Phase	Total Amps (1)	CFM	Approx. Air Temp. Rise °F (C°)	Motor Data			Weight lb (kg)	Catalog Number
						HP	RPM	Voltage		
3.2	480	3	4.7	450	22 (12)	1/25	1050	208/240	75 (34)	928C03200UA
4.8	480	3	6.6	450	34 (19)	1/25	1050	208/240	75 (34)	928C04800UA
5	208	1	24.9	450	34 (19)	1/25	1050	208/240	75 (34)	928C05000CA
	208	3	14.7	450	34 (19)	1/25	1050	208/240	75 (34)	928C05000DA
	240	1	21.7	450	34 (19)	1/25	1050	208/240	75 (34)	928C05000JA
	240	3	12.9	450	34 (19)	1/25	1050	208/240	75 (34)	928C05000KA
6.4	480	3	8.6	600	34 (19)	1/25	1050	208/240	75 (34)	928C06400UA
7.5	208	3	21.7	600	40 (22)	1/25	1050	208/240	75 (34)	928C07500DA
	240	1	32.1	600	40 (22)	1/25	1050	208/240	75 (34)	928C07500JA
	240	3	18.9	600	40 (22)	1/25	1050	208/240	75 (34)	928C07500KA
9.6	480	3	12.5	1200	25 (14)	1/6	1140	208/240	100 (48)	928C09600UA
10	208	3	28.6	750	41 (23)	1/25	1050	208/240	75 (34)	928C10000DA
	240	1	42.5	750	41 (23)	1/25	1050	208/240	75 (34)	928C10000JA
	240	3	24.9	750	41 (23)	1/25	1050	208/240	75 (34)	928C10000KA
12.8	480	3	16.3	1200	34 (19)	1/6	1140	208/240	100 (48)	928C12800UA
15	208	3	42.6	1200	40 (22)	1/6	1140	208/240	100 (48)	928C15000DA
	240	1	63.4	1200	40 (22)	1/6	1140	208/240	100 (48)	928C15000JA
	240	3	37	1200	40 (22)	1/6	1140	208/240	100 (48)	928C15000KA
16	480	3	20.2	1600	32 (18)	1/6	1140	208/240	100 (48)	928C16000UA
19.2	480	3	24	1600	38 (21)	1/6	1140	208/240	100 (48)	928C19200UA
20	208	3	56.5	1600	40 (22)	1/6	1140	208/240	100 (48)	928C20000DA
	240	1	84.2	1600	40 (22)	1/6	1140	208/240	100 (48)	928C20000JA
	240	3	49.1	1600	40 (22)	1/6	1140	208/240	100 (48)	928C20000KA
25	208	3	70.4	2000	40 (22)	1/6	1140	208/240	100 (48)	928C25000DA
	240	1	105.0	2000	40 (22)	1/6	1140	208/240	100 (48)	928C25000JA
	240	3	61.1	2000	40 (22)	1/6	1140	208/240	100 (48)	928C25000KA
30	208	3	84.2	2300	41 (23)	1/6	1140	208/240	100 (48)	928C30000DA
	240	1	125.9	2300	41 (23)	1/6	1140	208/240	100 (48)	928C30000JA
	240	3	73.2	2300	41 (23)	1/6	1140	208/240	100 (48)	928C30000KA

(1) Total Amps = Heating element amps and motor amps.
Only available with almond finish.