

UVI SERIES

Vertical Unit Heater



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.

Applications

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

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

Field-Installed Options

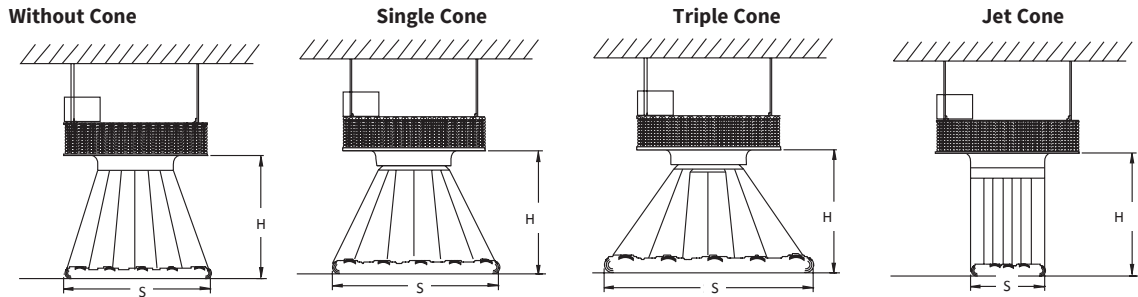
(shipped loose for field installation into heater)

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
928-124529	24V Relay Kit with Transformer

* For heater part number 928C09600UA, all diffusers must be ordered in the 15-30 kW size.

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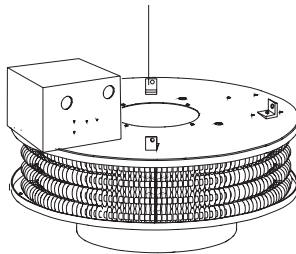
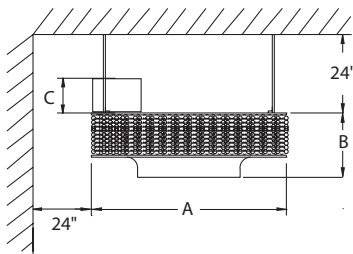
Air Distribution Patterns



Maximum Mounting Height

KW	Without Cone		Single Cone		Triple Cone		Jet Cone	
	H Ft (m)	S Ft (m)	H Ft (m)	S Ft (m)	H Ft (m)	S Ft (m)	H Ft (m)	S 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)

Support Brackets



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)

Line Voltage Thermostats

Catalog Number	Switch Type	Color	Type	Tamper-proof	Thermo- meter	Amps @ 120- 240V	Amps @ 277V	Pilot Duty	Posi- tive Off	Tem- perature Range °F
T498A1810	Bimetal	Beige	SPST	No	No	22	19	—	No	40-80
T410A1013	Bimetal	White	SPST	No	No	22	19	—	No	40-80
OTL102F	Bimetal	White	DPST	No	No	22	19	—	Yes	40-80
TH114-A-240D	Electronic	White	DPST	No	Digital	15A @ 240V	—	—	No	40-86

Low Voltage Thermostats- requires option R2 or an on/off relay with transformer

901-1006998	Bimetal	White	SPST	No	No	—	—	30VA at 30V max	Yes	50-90
T822K1018	Precision Snap Action	White	SPST	No	No	—	—	36VA at 30V max	No	45-95
OTH24	Electronic	White	Pulse	Yes	Digital	—	—	24VAC	No	41-97
OTH24 - ARF	Electronic Programmable	White	Pulse	Yes	Digital	—	—	24VAC	No	41-97

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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.

Accessories -

Clear universal thermostat guard. Protects both line and low voltage thermostats against vandalism, damage, and unauthorized adjustment of thermostat settings.

Catalog Number	Description
F29-0143	Inside dimensions: 6-3/8" (length), 3-1/2" (height), 3" (depth)
F29-0198	Inside dimensions: 8-1/4" (length), 5-3/8" (height), 3-1/2" (depth)



T498A1810



T410A1013
OTL102F



TH114-A-240D



901-1006998



T822K1018



F29-0143
F29-0198



OTH24



OTH24 - ARF