

Commercial Ceiling Heater KDS Series



Model Code:

KDS	A	24	20
A	B	C	D

A: Series
B: A=Surface R=Recessed mount
C: 20 - 208V 24 - 240V
27 - 277V 48 - 480V
D: Watts (20=2000 - 100=10000)
E: -1 single phase -3 three phase



- Totally enclosed fan and lifetime-lubricated ball bearing motor
- Three stainless steel tubular heating elements with aluminum fins
- High-limit temperature control with automatic reset
- Fan delay purges heater of residual heat
- Installation recessed into a T-bar ceiling for ODSR units
- Installation surface mounted for ODSA or ODSB units
- Recommended installation height: 8-12 ft. (2.4-3.6m)
- Standard color: white (-BW) (Almond optional)
- Built-in contactor for: all units at 347V, 480V, 600V, all units from 5-10 kW, and all units at 3-Phase
- Continuous circulation controlled by a built in switch (with power-on indicator light (-CV))
- 208V, 240V, 277V, 347V, 480V, 600V, 1 or 3-Phase
- Standard finish: epoxy/polyester powder paint
- Outlet grill made of flat ribbon wire
- 1-year warranty against defects, 10-year on element

The KDS Series Ceiling Heater

Designed for ceiling mount, this unit heater provides a high level of comfort. Driven by a powerful motor, the fan creates circulation by blowing downward warm air accumulation near ceilings.

Specifications

Contractor shall supply and install KDS Series electric heaters of the wattage and voltage as indicated on the plans.

Color: Standard: white, almond. Optional: metallic silver, bronze, metallic charcoal, textured black, beige-grey, aluminum, semi-gloss black. Custom colors available upon request.

Finish: Standard: epoxy/polyester powder paint.

Voltage: 208V, 240V, 277V, 347V, 480V, 600V, 1 or 3 phase.

Construction: Grille made of flat ribbon wire. High-limit temperature control with automatic reset.

Fan: Totally enclosed and lifetime-lubricated ball bearing motor. Fan delay purges heater of residual heat.

Heating element: Three stainless steel tubular heating elements with aluminum fins.

Warranty: 1-year warranty against defects. 10-year warranty on the heating elements.

Control: Line voltage control standard. Built-in 240V contactor for: all units from 5 to 10kW, all units at 347V, 480V, 600V, all units at 3-phase. 24V and 120V control circuit available. Built-in tamperproof thermostat available. 24V relay (with or without transformer) available. Continuous circulation controlled by a built-in switch with power-on indicator light available (-CV). Any remote thermostat or relay must be connected to the heater control terminal block. 4

Installation: Recommended height: between 8 ft. (2.4 m) and 12 ft. (3.6 m). Recessed into insulated or T-bar ceiling (KDSR). Surface mounting (KDSA and KDSB).

Application: Apartment building, commercial building, drop ceiling, stairwell, garage.



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Ordering Information *Add suffix -A for optional almond color

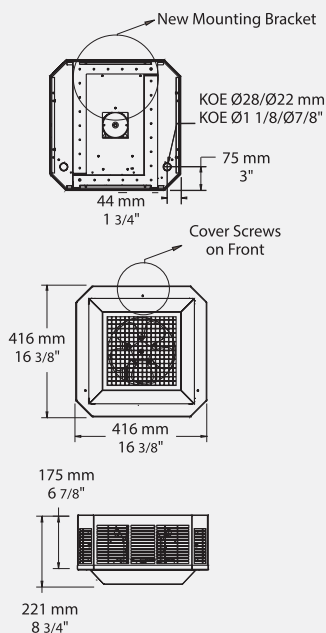
	SURFACE MODEL KDSA	UPC	RECESS MODEL KDSR	UPC	SURFACE MODEL KDSB	UPC	VOLTS 1ph	WATTS
240V	KDSAU2420	30850	KDSRU2420	30906			240	2000
	KDSAU2430	30852	KDSRU2430	30908			240	3000
	KDSAU2440	30854	KDSRU2440	30910			240	4000
	KDSAU2450	30856	KDSRU2450	30912			240	5000
					KDSBU2475	30962	240	7500
					KDSBU24100	30964	240	10000
208V	KDSAU2020	30858	KDSRU2020	30914			208	2000
	KDSAU2030	30860	KDSRU2030	30916			208	3000
	KDSAU2040	30862	KDSRU2040	30918			208	4000
	KDSAU2050	30864	KDSRU2050	30920			208	5000
					KDSBU2075	30966	208	7500
					KDSBU20990	30968	208	9900
277V	KDSAU2720	30866	KDSRU2720	30922			277	2000
	KDSAU2730	30868	KDSRU2730	30924			277	3000
	KDSAU2740	30870	KDSRU2740	30926			277	4000
	KDSAU2750	30872	KDSRU2750	30928			277	5000
					KDSBU2775	30970	277	7500
					KDSBU27100	30972	277	10000
480V	KDSAU4820	30874	KDSRU4820	30930			480	2000
	KDSAU4830	30876	KDSRU4830	30932			480	3000
	KDSAU4840	30878	KDSRU4840	30934			480	4000
	KDSAU4850	30880	KDSRU4850	30936			480	5000
					KDSBU4875	30974	480	7500
					KDSBU48100	30976	480	10000
	SURFACE MODEL KDSA	UPC	RECESS MODEL KDSR	UPC	SURFACE MODEL KDSB	UPC	VOLTS 3ph	WATTS
240V	KDSAU2420-3	30882	KDSRU2420-3	30938			240	2000
	KDSAU2430-3	30884	KDSRU2430-3	30940			240	3000
	KDSAU2440-3	30886	KDSRU2440-3	30942			240	4000
	KDSAU2450-3	30888	KDSRU2450-3	30944			240	5000
					KDSBU2475-3	30978	240	7500
					KDSBU24100-3	30980	240	10000
208V	KDSAU2020-3	30890	KDSRU2020-3	30946			208	2000
	KDSAU2030-3	30892	KDSRU2030-3	30948			208	3000
	KDSAU2040-3	30894	KDSRU2040-3	30950			208	4000
	KDSAU2050-3	30896	KDSRU2050-3	30952			208	5000
					KDSBU2075-3	30982	208	7500
					KDSBU20990-3	30984	208	9900
480V	KDSAU4820-3	30898	KDSRU4820-3	30954			480	2000
	KDSAU4830-3	30900	KDSRU4830-3	30956			480	3000
	KDSAU4840-3	30902	KDSRU4840-3	30958			480	4000
	KDSAU4850-3	30904	KDSRU4850-3	30960			480	5000
					KDSBU4875-3	30986	480	7500
					KDSBU48100-3	30988	480	10000

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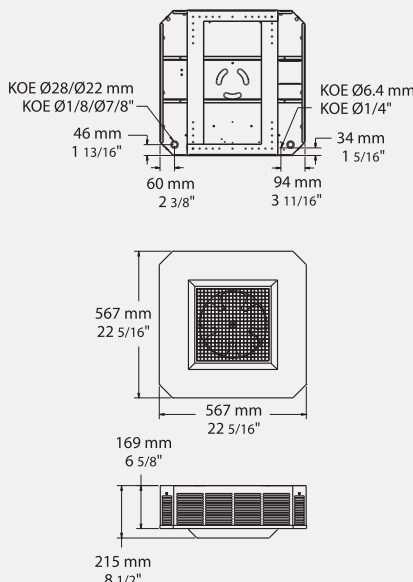
Dimensional Data

⊕ = knockout location

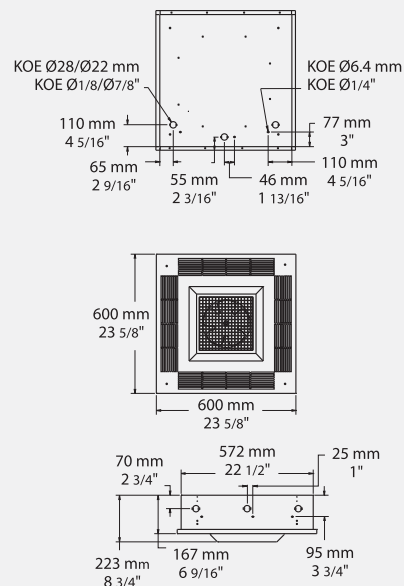
KDSR - Surface
2-5kW, 25 lbs (11.4 kg)



KDSB - Surface
7.5-10kW, 34 lbs (15.5 kg)



KDSR - Recessed
2-5kW, 31 lbs (14.1 kg)



Control Options

MODEL	DESCRIPTION
Product no-RT	Factory installed 24V relay with transformer
Product no-R	Factory installed 24V relay without transformer
KDS-RT	24V relay with transformer kit
KDS-120	Factory installed 120V control circuit
KDS-R	24V relay without transformer kit
KDS-R / CV-24	Factory installed summer fan 24V remote control + pilot light (switch not included)
KDS-R / CV-240	Factory installed summer fan 240V remote control + pilot light (switch not included)
KDS-T-BAR	Adapter for T-bar ceiling (KDSA)(kit)
KDS-CV	Factory installed summer fan switch + pilot light
KDS-DIS20	Factory installed disconnect switch 277V and less, double pole, 20 Amp
KDS-DIS40	Factory installed disconnect switch 600V max, three pole, 40 Amp
KDS-DIS80	Factory installed disconnect switch 600V, three pole, 80 Amp
KDS-T-AV	Built-in tamper-proof thermostat kit
Product no-T-AV	Factory installed built-in tamper-proof thermostat kit

Options

ADD SUFFIX	DESCRIPTION
-A	Almond color
-AE	Metallic Silver color (10% up-charge applies)
-BG	Beige-Grey color (10% up-charge applies)
-BZ	Bronze color (10% up-charge applies)
-CM	Metallic Charcoal color (10% up-charge applies)
-NR	Textured Black color (10% up-charge applies)
-AL	Aluminum color (10% up-charge applies)
-NL	Semi-Gloss Black (10% up-charge applies)