

# OAS Commercial Industrial Suspended Unit Heater



## Features

### Color

- Standard: almond.

### Finish

- Standard: epoxy/polyester powder paint.

### Voltage

- 208V, 240V, 277V, 347V, 480V, 600V, 1 or 3-phase.
- Some units may be field converted from 3 to 1-phase.

### Construction

- 18 and 20-gauge steel.
- Adjustable louvers to direct air flow.
- High-limit temperature control with automatic reset.

### Fan

- Totally enclosed factory-lubricated ball bearing motor (except for 15 to 25kW at 208/240V).
- 58 dBA fan (2 to 10kW), 67 dBA fan (15 to 30kW) and 77 dBA fan (40 to 60kW).
- Thermally-protected motor mounted in cold compartment.
- Fan delay purges heater of residual heat.

### Heating element

- Tubular heating elements; stainless steel (2 to 10kW); finned steel (15 to 60kW).
- Concentric disposition of heating elements.
- Factory sealed element upon request.

### Control

- Factory-installed contactor and 240/208V control circuit standard (with transformer if necessary).

- 24V relay, with or without transformer available.
- 120V control circuit available.
- Built-in thermostat available.

*Ouellet highly recommends to use a wall thermostat for greater comfort.*

*Any remote thermostat or relay must be connected to the heater control terminal block.*

### Installation

- Not for residential use in the United States.
- Horizontal mounting:
  - 2 to 30kW: wall or ceiling using the supplied brackets which allow 360° rotation.
  - 40 to 60kW: ceiling only secured by the supplied 4 hooks of suspension.
- Vertical mounting (except option -MD):
  - 2 to 60kW: using 4 threaded rods 1/2 in. X 13 UNC (not included).
  - Diffuser cones available.
- Maximum recommended height (horizontal): 2 to 10kW: 8 ft. (2.4 m), 15 to 30kW: 10 ft. (3 m), 40 to 60kW: 15 ft. (4.5 m).
- Protective screen allows minimum horizontal mounting height:
  - Canada 2 to 30 kW: 24 in. (610 mm), 40 to 60kW: 8 ft. (2.4 m).
  - United States 2 to 30 kW 6 ft. (1.8 m), 40 to 60kW: 8 ft. (2.4 m).
- 30 °C (85 °F) maximum operating ambient temperature.

### Warranty

- 3-year warranty against defects.

### Application

- Commercial hall, warehouse, stairwell, factory.

Product #	Volts	Phase	kW (BTU/Hr)	cfm	Temperature Rise		Motor	
					°C	°F	HP	rpm
OASU05000AM-T <sup>2</sup>	240	1	5.0 (17060)	700	13	23	1/30	1550
OASU07500AM-T <sup>2</sup>	240	1	7.5 (25590)	700	19	34	1/30	1550
OASU10000AM-T <sup>2</sup>	240	1	10.0 (34120)	700	25	45	1/30	1550
OASU05034AM-T <sup>2</sup>	480	3	5.0 (17060)	700	13	23	1/30	1550
OASU07534AM-T <sup>2</sup>	480	3	7.5 (25590)	700	19	34	1/30	1550
OASU10034AM-T <sup>2</sup>	480	3	10.0 (34120)	700	25	45	1/30	1550
OASU02008AM	208	1	2.0 (6824)	510	7	13	1/30	1550
OASU03008AM	208	1	3.0 (10236)	510	10	18	1/30	1550
OASU04008AM	208	1	4.0 (13648)	510	14	25	1/30	1550
OASU05008AM	208	1	5.0 (17060)	700	13	23	1/30	1550
OASU05038AM	208	3/1 <sup>1</sup>	5.0 (17060)	700	13	23	1/30	1550
OASU07538AM	208	3/1 <sup>1</sup>	7.5 (25590)	700	19	34	1/30	1550
OASU10008AM	208	1	10.0 (34120)	700	25	45	1/30	1550
OASU10038AM	208	3	10.0 (34120)	700	25	45	1/30	1550
OASU15038AM	208	3	15.0 (51180)	1300	20	36	1/8	1550
OASU20038AM	208	3	20.0 (68240)	1300	27	49	1/8	1550
OASU25038AM	208	3	25.0 (85300)	1300	34	61	1/8	1550
OASU02000AM	240	1	2.0 (6824)	510	7	13	1/30	1550
OASU03000AM	240	1	3.0 (10236)	510	10	18	1/30	1550
OASU04000AM	240	1	4.0 (13648)	510	14	25	1/30	1550
OASU05000AM	240	1	5.0 (17060)	700	13	23	1/30	1550
OASU05030AM	240	3/1 <sup>1</sup>	5.0 (17060)	700	13	23	1/30	1550
OASU07500AM	240	1	7.5 (25590)	700	19	34	1/30	1550
OASU07530AM	240	3/1 <sup>1</sup>	7.5 (25590)	700	19	34	1/30	1550
OASU10000AM	240	1	10.0 (34120)	700	25	45	1/30	1550
OASU10030AM	240	3/1 <sup>1</sup>	10.0 (34120)	700	25	45	1/30	1550
OASU15030AM	240	3	15.0 (51180)	1300	20	36	1/8	1550
OASU20030AM	240	3	20.0 (68240)	1300	27	49	1/8	1550
OASU25030AM	240	3	25.0 (85300)	1300	34	61	1/8	1550
OASU02077AM	277	1	2.0 (6824)	510	7	13	1/30	1550
OASU03077AM	277	1	3.0 (10236)	510	10	18	1/30	1550
OASU04077AM	277	1	4.0 (13648)	510	14	25	1/30	1550
OASU05077AM	277	1	5.0 (17060)	700	13	23	1/30	1550
OASU07577AM	277	1	7.5 (25590)	700	19	34	1/30	1550
OASU02034AM	480	3	2.0 (6824)	510	7	13	1/30	1550
OASU03034AM	480	3	3.0 (10236)	510	10	18	1/30	1550
OASU04034AM	480	3	4.0 (13648)	510	14	25	1/30	1550
OASU05034AM	480	3	5.0 (17060)	700	13	23	1/30	1550
OASU07534AM	480	3	7.5 (25590)	700	19	34	1/30	1550
OASU10034AM	480	3	10.0 (34120)	700	25	45	1/30	1550
OASU15034AM	480	3	15.0 (51180)	1400	19	34	1/3	1725
OASU20034AM	480	3	20.0 (68240)	1400	25	45	1/3	1725
OASU25034AM	480	3	25.0 (85300)	1400	31	56	1/3	1725
OASU30034AM	480	3	30.0 (102360)	1400	38	68	1/3	1725
OASU40034AM	480	3	40.0 (136480)	2000	35	63	3/4	1140
OASU50034AM	480	3	50.0 (170600)	2000	44	79	3/4	1140
OASU60034AM	480	3	60.0 (204720)	2000	53	95	3/4	1140

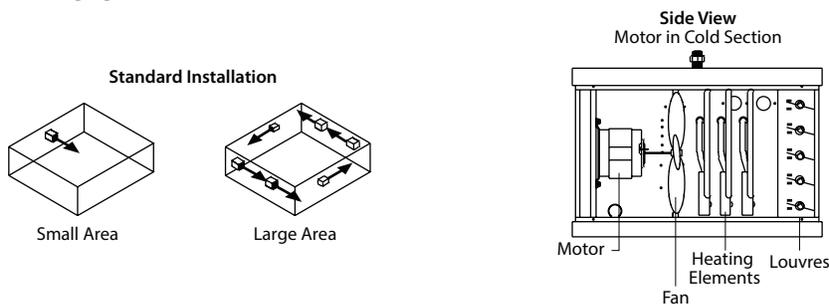
<sup>1</sup> Models with the indications "3/1" can be field converted from 3 to 1-phase.

<sup>2</sup> Come with built-in thermostat.

Standard color is almond.

Add-MD to suffix for special Mine Duty Feature. 600V available upon request. 240V, 3-phase and 480V, 1-phase available upon request.

Remember to change the 3 for 0 when ordering. E.g.: OASU05034 becomes OASU05004.



# OAS

## Options

Product # Kit	Product # Factory installed*	Description
-	120	120V control circuit
-	3P	Triple-pole contactor
KIT-OAS-CD1AM	-	Diffuser cone, 2 to 10kW units
KIT-OAS-CD2AM	-	Diffuser cone, 15 to 30kW units
KIT-OAS-CD3AM	-	Diffuser cone, 40 to 60kW units
-	CV	Summer fan switch
-	DIS40 <sup>3</sup>	Disconnect switch, 40A
-	DIS80 <sup>3</sup>	Disconnect switch, 80A
-	DIS100 <sup>3</sup>	Disconnect switch, 100A
-	ES <sup>1</sup>	Factory sealed element
-	FANAM	Fan blades with almond epoxy/polyester coating
-	MD <sup>2</sup>	Mine duty
-	MR	High-limit temperature control with manual reset
KIT-OAS-R	R	24V relay, without transformer
-	RCV240	Summer fan relay 240V, remote control (switch not included)
KIT-OAS-RT	RT	24V relay, with transformer
-	SCCR1 <sup>4</sup>	Fuse protected circuits for 100kA rated short circuit current (see available SCCR Options Chart)
-	SCCR2 <sup>4</sup>	Fuse protected circuits for 100kA rated short circuit current (see available SCCR Options Chart)
-	SCCR3 <sup>4</sup>	Fuse protected circuits for 100kA rated short circuit current (see available SCCR Options Chart)
KIT-OAS-T	T	Thermostat

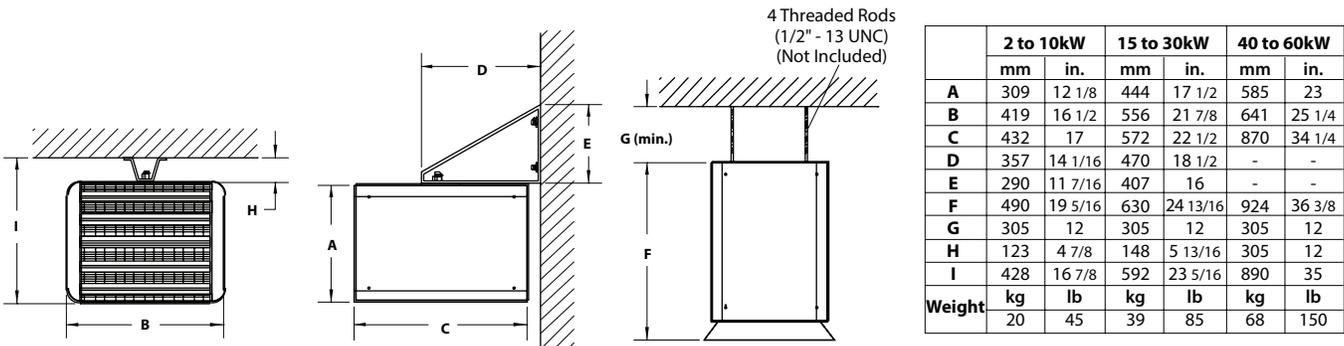
\* For factory installed options, add the option number to the product number. See the **Product Code** section inside the front cover.

<sup>1</sup> The option "sealed element" increases the reliability of these in humid environments. It does not completely eliminate the leakage currents of metal sheathed heating elements.

<sup>2</sup> See features on the OAS-MD catalog page.

<sup>3</sup> For the U.S. only; The nominal current of the unit must not exceed 80% of the capacity of the disconnect.

<sup>4</sup> The disconnect switch option cannot be used with the SCCR option.



## SCCR Options Chart

	208V	208V/3ph	208V/3ph Convertible 3/1ph	240V	240V/ 3ph conver- tible 3/1ph	240V/3ph Convertible 3/1ph	277V	347V	480V	480V/3ph	600V	600/3ph
2kW	SCCR1	SCCR1		SCCR1	SCCR1		SCCR1	SCCR1	SCCR1	SCCR1	SCCR1	SCCR1
3kW	SCCR1	SCCR1		SCCR1	SCCR1		SCCR1	SCCR1	SCCR1	SCCR1	SCCR1	SCCR1
4kW	SCCR1	SCCR1		SCCR1	SCCR1		SCCR1	SCCR1	SCCR1	SCCR1	SCCR1	SCCR1
5kW	SCCR1		SCCR1	SCCR1		SCCR1	SCCR1	SCCR1	SCCR1	SCCR1	SCCR1	SCCR1
7.5kW	SCCR2		SCCR3	SCCR2		SCCR3	SCCR2	SCCR1	SCCR1	SCCR1	SCCR1	SCCR1
10kW	SCCR2	SCCR3		SCCR2		See note <sup>1</sup>	SCCR2	SCCR1	SCCR2	SCCR1	SCCR1	SCCR1
15kW	SCCR2	SCCR3		SCCR2	SCCR3				See note <sup>1</sup>	SCCR1	SCCR2	SCCR1
20kW	SCCR2	SCCR3		SCCR2	SCCR3				See note <sup>1</sup>	SCCR1	SCCR2	SCCR1
25kW	SCCR2	SCCR3		SCCR2	SCCR3					SCCR3	See note <sup>1</sup>	SCCR1
30kW										SCCR3		SCCR3
40kW										See note <sup>1</sup>		See note <sup>1</sup>
50kW										See note <sup>1</sup>		See note <sup>1</sup>
60kW										See note <sup>1</sup>		See note <sup>1</sup>

<sup>1</sup> Factory Installed SCCR Option is not available for these models. It requires the installation of an external fused Safety Switch (Not supplied by Ouellet).