

OAS Commercial Industrial Suspended Unit Heater



Horizontal mounting



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

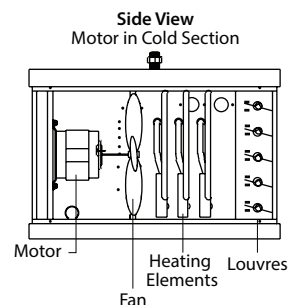
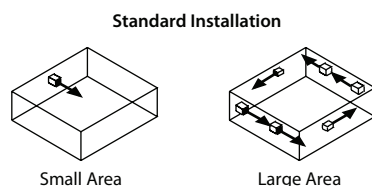
- Not for residential use in the United States.
- Horizontal mounting:
 - 2 to 30kW: wall or ceiling using the supplied brackets which allow 360 ° rotation.
 - 40 to 60kW: ceiling only secured by the supplied 4 hooks of suspension.
- Vertical mounting (except option -MD):
 - 2 to 60kW: using 4 threaded 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.



kW (BTU/hr)	Volts (ph)	Product #	cfm	Temperature Rise		Motor	
				°C	°F	HP	rpm
2.0 (6824)	208 (1)	OAS02008AM	510	7	13	1/30	1550
2.0 (6824)	208 (3/1 ¹)	OAS02038AM	510	7	13	1/30	1550
3.0 (10236)	208 (1)	OAS03008AM	510	10	18	1/30	1550
3.0 (10236)	208 (3/1 ¹)	OAS03038AM	510	10	18	1/30	1550
4.0 (13648)	208 (1)	OAS04008AM	510	14	25	1/30	1550
4.0 (13648)	208 (3/1 ¹)	OAS04038AM	510	14	25	1/30	1550
5.0 (17060)	208 (1)	OAS05008AM	700	13	23	1/30	1550
5.0 (17060)	208 (3/1 ¹)	OAS05038AM	700	13	23	1/30	1550
7.5 (25590)	208 (3/1 ¹)	OAS07538AM	700	19	34	1/30	1550
10.0 (34120)	208 (1)	OAS10008AM	700	25	45	1/30	1550
10.0 (34120)	208 (3)	OAS10038AM	700	25	45	1/30	1550
15.0 (51180)	208 (3/1 ¹)	OAS15038AM	1300	20	36	1/8	1550
20.0 (68240)	208 (3/1 ¹)	OAS20038AM	1300	27	49	1/8	1550
25.0 (85300)	208 (3/1 ¹)	OAS25038AM	1300	34	61	1/8	1550
2.0 (6824)	240 (1)	OAS02000AM	510	7	13	1/30	1550
3.0 (10236)	240 (1)	OAS03000AM	510	10	18	1/30	1550
4.0 (13648)	240 (1)	OAS04000AM	510	14	25	1/30	1550
5.0 (17060)	240 (1)	OAS05000AM	700	13	23	1/30	1550
7.5 (25590)	240 (1)	OAS07500AM	700	19	34	1/30	1550
10.0 (34120)	240 (1)	OAS10000AM	700	25	45	1/30	1550
15.0 (51180)	240 (1)	OAS15000AM	1300	20	36	1/8	1550
20.0 (68240)	240 (1)	OAS20000AM	1300	27	49	1/8	1550
25.0 (85300)	240 (1)	OAS25000AM	1300	34	61	1/8	1550
2.0 (6824)	347 (1)	OAS02007AM	510	7	13	1/30	1550
3.0 (10236)	347 (1)	OAS03007AM	510	10	18	1/30	1550
4.0 (13648)	347 (1)	OAS04007AM	510	14	25	1/30	1550
5.0 (17060)	347 (1)	OAS05007AM	700	13	23	1/30	1550
7.5 (25590)	347 (1)	OAS07507AM	700	19	34	1/30	1550
10.0 (34120)	347 (1)	OAS10007AM	700	25	45	1/30	1550
2.0 (6824)	480 (3)	OAS02034AM	510	7	13	1/30	1550
3.0 (10236)	480 (3)	OAS03034AM	510	10	18	1/30	1550
4.0 (13648)	480 (3)	OAS04034AM	510	14	25	1/30	1550
5.0 (17060)	480 (3)	OAS05034AM	700	13	23	1/30	1550
7.5 (25590)	480 (3)	OAS07534AM	700	19	34	1/30	1550
10.0 (34120)	480 (3)	OAS10034AM	700	25	45	1/30	1550
15.0 (51180)	480 (3)	OAS15034AM	1400	19	34	1/3	1725
20.0 (68240)	480 (3)	OAS20034AM	1400	25	45	1/3	1725
25.0 (85300)	480 (3)	OAS25034AM	1400	31	56	1/3	1725
30.0 (102360)	480 (3)	OAS30034AM	1400	38	68	1/3	1725
40.0 (136480)	480 (3)	OAS40034AM ²	2000	35	63	3/4	1140
50.0 (170600)	480 (3)	OAS50034AM ²	2000	44	79	3/4	1140
60.0 (204720)	480 (3)	OAS60034AM ²	2000	53	95	3/4	1140
2.0 (6824)	600 (1)	OAS02006AM	510	7	13	1/30	1550
2.0 (6824)	600 (3)	OAS02036AM	510	7	13	1/30	1550
3.0 (10236)	600 (1)	OAS03006AM	510	10	18	1/30	1550
3.0 (10236)	600 (3)	OAS03036AM	510	10	18	1/30	1550
4.0 (13648)	600 (1)	OAS04006AM	510	14	25	1/30	1550
4.0 (13648)	600 (3/1 ¹)	OAS04036AM	510	14	25	1/30	1550
5.0 (17060)	600 (1)	OAS05006AM	700	13	23	1/30	1550
5.0 (17060)	600 (3/1 ¹)	OAS05036AM	700	13	23	1/30	1550
7.5 (25590)	600 (3/1 ¹)	OAS07536AM	700	19	34	1/30	1550
10.0 (34120)	600 (3/1 ¹)	OAS10036AM	700	25	45	1/30	1550
15.0 (51180)	600 (1)	OAS15006AM	1400	19	34	1/3	1725
15.0 (51180)	600 (3/1 ¹)	OAS15036AM	1400	19	34	1/3	1725
20.0 (68240)	600 (1)	OAS20006AM	1400	25	45	1/3	1725
20.0 (68240)	600 (3/1 ¹)	OAS20036AM	1400	25	45	1/3	1725
25.0 (85300)	600 (1)	OAS25006AM	1400	31	56	1/3	1725
25.0 (85300)	600 (3/1 ¹)	OAS25036AM	1400	31	56	1/3	1725
30.0 (102360)	600 (3)	OAS30036AM	1400	38	68	1/3	1725
40.0 (136480)	600 (3)	OAS40036AM	2000	35	63	3/4	1140
50.0 (170600)	600 (3)	OAS50036AM ²	2000	44	79	3/4	1140
60.0 (204720)	600 (3)	OAS60036AM ²	2000	53	95	3/4	1140

¹ Models with the indication "3/1" can be field converted from 3 to 1-phase.

² If the control option "Disconnect switch" is required, you must order DIS80.

Standard color is almond.

240V, 3-phase and 277V available upon request.

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, with motor 240V and 277V
-	CV	Summer fan switch, with motor 480V and 600V
-	DIS40 ³	Disconnect switch, 40A
-	DIS80 ³	Disconnect switch, 80A
-	DIS100 ³	Disconnect switch, 100A
-	ES ¹	Factory sealed element
-	FANAM	Fan blades with almond epoxy/polyester coating
-	MD ²	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 ⁴	Fuse protected circuits for 100kA rated short circuit current (see available SCCR Options Chart)
-	SCCR2 ⁴	Fuse protected circuits for 100kA rated short circuit current (see available SCCR Options Chart)
-	SCCR3 ⁴	Fuse protected circuits for 100kA rated short circuit current (see available SCCR Options Chart)
KIT-OAS-T	T	Thermostat

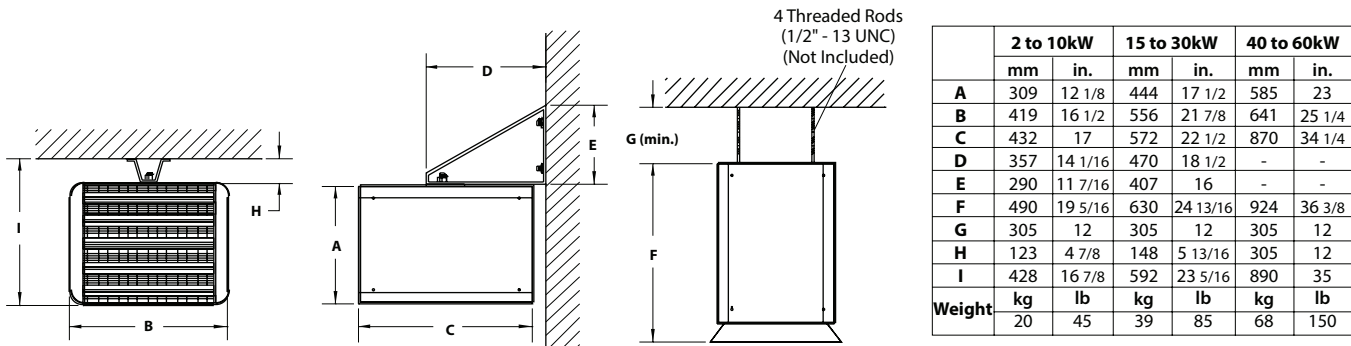
* For factory installed options, add the option number to the product number. See the **Product Code** section inside the front cover.

¹ 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.

² See features on the OAS-MD catalog page.

³ For the U.S. only: The nominal current of the unit must not exceed 80% of the capacity of the disconnect.

⁴ 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 ¹	SCCR2	SCCR1	SCCR2	SCCR1	SCCR1	SCCR1
15kW	SCCR2	SCCR3		SCCR2	SCCR3				See note ¹	SCCR1	SCCR2	SCCR1
20kW	SCCR2	SCCR3		SCCR2	SCCR3				See note ¹	SCCR1	SCCR2	SCCR1
25kW	SCCR2	SCCR3		SCCR2	SCCR3					SCCR3	See note ¹	SCCR1
30kW										SCCR3		SCCR3
40kW										See note ¹		See note ¹
50kW										See note ¹		See note ¹
60kW										See note ¹		See note ¹

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