

## Suspended Unit Heater

**For commercial and industrial use**

The OAS is designed for areas requiring a high level of air flow. This unit heater may be mounted horizontally (wall or ceiling) using supplied brackets or vertically using 4 threaded rods (not included).

A variety of control options are available in kits or may be factory installed.

A specific option is available for mine applications.

**Features**

<b>Color</b>	- Standard: almond.
<b>Finish</b>	- Standard: epoxy/polyester powder paint.
<b>Voltage</b>	- 208V, 240V, 277V, 347V, 480V, 600V, 1 or 3-phase. - Some units may be field converted from 3 to 1-phase.
<b>Construction</b>	- 18 and 20-gauge steel. - Adjustable louvres to direct air flow. - High-limit temperature control with automatic reset.
<b>Fan</b>	- Motor mounted in cold compartment. - Thermally-protected motor. - Totally enclosed and factory-lubricated ball bearing motor (except for 15 to 25kW at 208V/240V). - 58 dBA fan (2 to 10kW), 67 dBA fan (15 to 30kW) and 77 dBA fan (40 to 60kW). - Fan delay purges heater of residual heat.
<b>Heating element</b>	<i>(Any remote thermostat or relay must be connected to the heater control terminal block.)</i> - Durable tubular heating elements; stainless steel (2 to 10kW); finned (15 to 60kW). - Concentric disposition of heating elements. - Factory sealed element upon request.
<b>Control</b>	- All models have a factory-installed contactor. - 240V/208V control circuit standard (with transformer if necessary). - 24V relay, with or without transformer available. - Built-in thermostat available. - 120V control circuit available. <i>Ouellet highly recommends use of a wall thermostat for greater comfort.</i>
<b>Installation</b>	- Horizontal wall or ceiling mounting using one of two supplied brackets which allow 360° rotation. <i>(Horizontal mounting only for 40kW, 50kW and 60kW secured by 4 hooks (ceiling only)).</i> - Vertical mounting using 4 threaded rods 1/2 in. X 13 UNC (not included) (except option -MD). - Diffuser cones available (except option -MD). - Large and easily accessible control compartment. - 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 lower mounting height (except 40 to 60kW). - Minimum height of 8 ft. (2.4 m) for 40 to 60kW heaters. - 30 °C (85 °F) maximum operating ambient temperature.
<b>Warranty</b>	- 1-year warranty against defects.
<b>Applications</b>	- Commercial hall, warehouse, stairwell, factory.

## Models

Product #	Volts	Phase	kW (BTU/hr)	cfm	Temperature Rise		HP	Motor rpm	Volts
					°C	°F			
OAS02008	208	1	2.0 (6824)	510	7	13	1/30	1550	240/208
OAS02038	208	3/1 <sup>1</sup>	2.0 (6824)	510	7	13	1/30	1550	240/208
OAS03008	208	1	3.0 (10236)	510	10	18	1/30	1550	240/208
OAS03038	208	3/1 <sup>1</sup>	3.0 (10236)	510	10	18	1/30	1550	240/208
OAS04008	208	1	4.0 (13648)	510	14	25	1/30	1550	240/208
OAS04038	208	3/1 <sup>1</sup>	4.0 (13648)	510	14	25	1/30	1550	240/208
OAS05008	208	1	5.0 (17060)	700	13	23	1/30	1550	240/208
OAS05038	208	3/1 <sup>1</sup>	5.0 (17060)	700	13	23	1/30	1550	240/208
OAS07538	208	3/1 <sup>1</sup>	7.5 (25590)	700	19	34	1/30	1550	240/208
OAS10008	208	1	10.0 (34120)	700	25	45	1/30	1550	240/208
OAS10038	208	3	10.0 (34120)	700	25	45	1/30	1550	240/208
OAS15038	208	3/1 <sup>1</sup>	15.0 (51180)	1300	20	36	1/8	1550	240/208
OAS20038	208	3/1 <sup>1</sup>	20.0 (68240)	1300	27	49	1/8	1550	240/208
OAS25038	208	3/1 <sup>1</sup>	25.0 (85300)	1300	34	61	1/8	1550	240/208
OAS02000	240	1	2.0 (6824)	510	7	13	1/30	1550	240/208
OAS03000	240	1	3.0 (10236)	510	10	18	1/30	1550	240/208
OAS04000	240	1	4.0 (13648)	510	14	25	1/30	1550	240/208
OAS05000	240	1	5.0 (17060)	700	13	23	1/30	1550	240/208
OAS07500	240	1	7.5 (25590)	700	19	34	1/30	1550	240/208
OAS10000	240	1	10.0 (34120)	700	25	45	1/30	1550	240/208
OAS15000	240	1	15.0 (51180)	1300	20	36	1/8	1550	240/208
OAS20000	240	1	20.0 (68240)	1300	27	49	1/8	1550	240/208
OAS25000	240	1	25.0 (85300)	1300	34	61	1/8	1550	240/208
OAS02007	347	1	2.0 (6824)	510	7	13	1/30	1550	240/208
OAS03007	347	1	3.0 (10236)	510	10	18	1/30	1550	240/208
OAS04007	347	1	4.0 (13648)	510	14	25	1/30	1550	240/208
OAS05007	347	1	5.0 (17060)	700	13	23	1/30	1550	240/208
OAS07507	347	1	7.5 (25590)	700	19	34	1/30	1550	240/208
OAS10007	347	1	10.0 (34120)	700	25	45	1/30	1550	240/208
OAS02034	480	3	2.0 (6824)	510	7	13	1/30	1550	240/208
OAS03034	480	3	3.0 (10236)	510	10	18	1/30	1550	240/208
OAS04034	480	3	4.0 (13648)	510	14	25	1/30	1550	240/208
OAS05034	480	3	5.0 (17060)	700	13	23	1/30	1550	240/208
OAS07534	480	3	7.5 (25590)	700	19	34	1/30	1550	240/208
OAS10034	480	3	10.0 (34120)	700	25	45	1/30	1550	240/208
OAS15034	480	3	15.0 (51180)	1400	19	34	1/3	1725	480 (1 ph)
OAS20034	480	3	20.0 (68240)	1400	25	45	1/3	1725	480 (1 ph)
OAS25034	480	3	25.0 (85300)	1400	31	56	1/3	1725	480 (1 ph)
OAS30034	480	3	30.0 (102360)	1400	38	68	1/3	1725	480 (1 ph)
OAS40034	480	3	40.0 (136480)	2000	35	63	3/4	1140	480 (3 ph)
OAS50034	480	3	50.0 (170600)	2000	44	79	3/4	1140	480 (3 ph)
OAS60034	480	3	60.0 (204720)	2000	53	95	3/4	1140	480 (3 ph)
OAS02006	600	1	2.0 (6824)	510	7	13	1/30	1550	240/208
OAS02036	600	3	2.0 (6824)	510	7	13	1/30	1550	240/208
OAS03006	600	1	3.0 (10236)	510	10	18	1/30	1550	240/208
OAS03036	600	3	3.0 (10236)	510	10	18	1/30	1550	240/208
OAS04006	600	1	4.0 (13648)	510	14	25	1/30	1550	240/208
OAS04036	600	3/1 <sup>1</sup>	4.0 (13648)	510	14	25	1/30	1550	240/208
OAS05006	600	1	5.0 (17060)	700	13	23	1/30	1550	240/208
OAS05036	600	3/1 <sup>1</sup>	5.0 (17060)	700	13	23	1/30	1550	240/208
OAS07536	600	3/1 <sup>1</sup>	7.5 (25590)	700	19	34	1/30	1550	240/208
OAS10036	600	3/1 <sup>1</sup>	10.0 (34120)	700	25	45	1/30	1550	240/208
OAS15036	600	3/1 <sup>1</sup>	15.0 (51180)	1400	19	34	1/3	1725	600 (1 ph)
OAS20036	600	3/1 <sup>1</sup>	20.0 (68240)	1400	25	45	1/3	1725	600 (1 ph)
OAS25036	600	3/1 <sup>1</sup>	25.0 (85300)	1400	31	56	1/3	1725	600 (1 ph)
OAS30036	600	3	30.0 (102360)	1400	38	68	1/3	1725	600 (1 ph)
OAS40036 <sup>2</sup>	600	3	40.0 (136480)	2000	35	63	3/4	1140	600 (3 ph)
OAS50036	600	3	50.0 (170600)	2000	44	79	3/4	1140	600 (3 ph)
OAS60036	600	3	60.0 (204720)	2000	53	95	3/4	1140	600 (3 ph)

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

<sup>2</sup> If the control option "Disconnect switch" is required, you must order OAS-DIS80.

Standard color is almond.

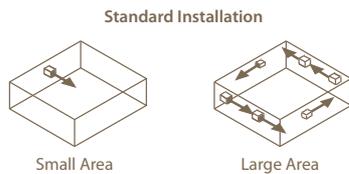
277V available upon request.

## Options

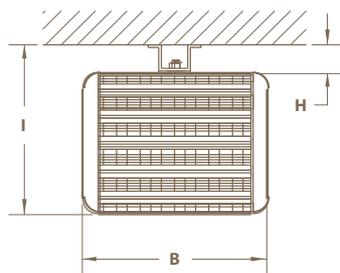
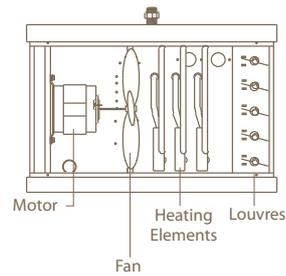
Product #	Description	Factory Installed	Kit
OAS1-120/XXX	120V control circuit (XXX = 208V, 240V, 277V, 347V, 480V, 600V) 2 to 10kW units	Y	-
OAS2-120/XXX	120V control circuit (XXX = 208V, 240V, 480V, 600V) 15 to 30kW units	Y	-
OAS3-120/XXX	120V control circuit (XXX = 240V, 480V, 600V) 40 to 60kW units	Y	-
OAS-3P	Triple-pole contactor	Y	-
OAS-CD1	Diffuser cone, 2 to 10kW units	-	Y
OAS-CD2	Diffuser cone, 15 to 30kW units	-	Y
OAS-CD3	Diffuser cone, 40 to 60kW units	-	Y
OAS-CV-277	Summer fan switch, with motor 240V and 277V	Y	-
OAS-CV-600	Summer fan switch, with motor 480V and 600V	Y	-
OAS-DIS40	Disconnect switch, 40A	Y	-
OAS-DIS80	Disconnect switch, 80A	Y	-
OAS-DIS100	Disconnect switch, 100A	Y	-
OAS-ES	Factory sealed element	Y	-
OAS-FAN-AM	Fan blades with almond epoxy/polyester coating	Y	-
OAS-MD <sup>1</sup>	Mine duty	Y	-
OAS-R	24V relay, without transformer	Y	Y
OAS-R/CV-240	Summer fan relay 240V, remote control (switch not included)	Y	-
OAS-RT	24V relay, with transformer	Y	Y
OAS-T	Thermostat	Y	Y

<sup>1</sup> See features at page 98.

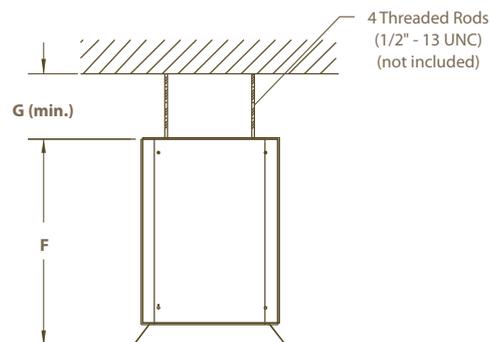
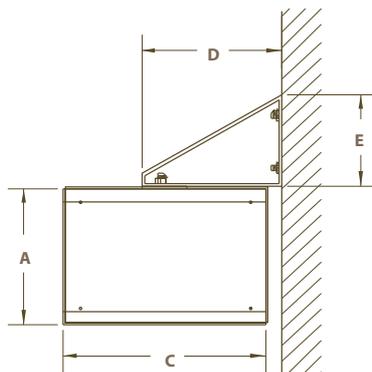
For options available as factory installed and kit, if not mentioned on the order, will automatically be shipped as a kit.



Side View  
Motor in Cold Section



	2 to 10kW		15 to 30kW		40 to 60kW	
	mm	in.	mm	in.	mm	in.
A	305	12	444	17 1/2	585	23
B	419	16 1/2	556	21 7/8	641	25 1/4
C	432	17	572	22 1/2	870	34 1/4
D	357	14 1/16	470	18 1/2	-	-
E	290	11 7/16	407	16	-	-
F	490	19 5/16	630	24 13/16	924	36 3/8
G	305	12	305	12	305	12
H	123	4 7/8	148	5 13/16	305	12
I	428	16 7/8	592	23 5/16	890	35
Weight	kg	lb	kg	lb	kg	lb
	20	45	39	85	68	150

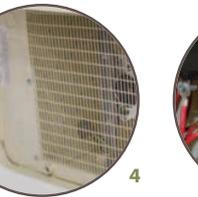
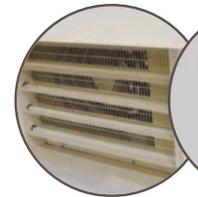
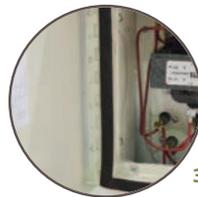




*A suspended unit heater designed for mining applications*

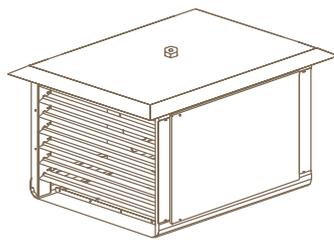
*With its unique features, the OAS-MD unit heater is specially designed for mining applications. It can be suspended using the 4 support brackets.*

*A variety of control options are available through kits or factory installation.*

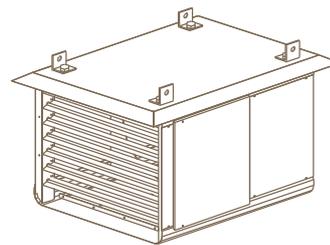


### Features -MD Option

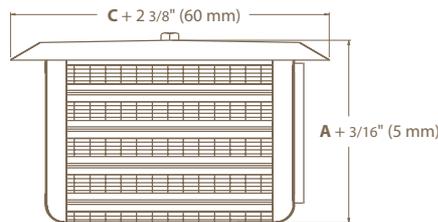
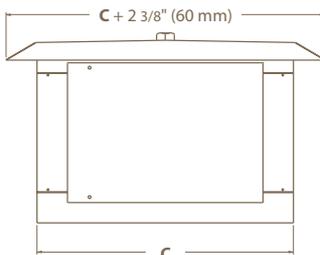
- Drip shield. **1**
- Sealed wiring compartment. **2**
- Hinged door with neoprene gasket. **3**
- Element delay on ON cycle (fan delay on OFF cycle).
- Heavy duty 18-gauge grille. **4**
- Double-pole contactor.
- Heating element can be factory sealed upon request to minimize moisture absorption (option -ES). **5**



2 to 30kW



40 to 60kW



	2 to 10kW		15 to 30kW		40 to 60kW	
	mm	in.	mm	in.	mm	in.
<b>A</b>	305	12	444	17 1/2	585	23
<b>C</b>	432	17	572	22 1/2	870	34 1/4