

# OAS 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 louvres to direct air flow.
- High-limit temperature control with automatic reset.

### Fan

- Motor mounted in cold compartment.
- Thermally-protected motor.
- Totally enclosed and 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).
- Fan delay purges heater of residual heat.

### Heating element

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

### Control

- All models have a factory-installed contactor.
- 240/208V control circuit standard (with transformer if necessary).
- 24V relay, with or without transformer available.
- Built-in thermostat available.
- 120V control circuit 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

- Horizontal wall or ceiling mounting using one of two supplied brackets which allow 360° rotation.  
*(Horizontal mounting only for 40kW, 50kW and 60kW secured by 4 hooks [ceiling only].)*
- 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.

### Warranty

- 1-year warranty against defects.

### Application

- Commercial hall, warehouse, stairwell, factory.

kW (BTU/hr)	Volts (ph)	Product #	cfm	Temperature Rise			Motor	
				°C	°F	HP	Volts	rpm
2.0 (6824)	208 (1)	OAS02008	510	7	13	1/30	208	1550
2.0 (6824)	208 (3/1 <sup>1</sup> )	OAS02038	510	7	13	1/30	208	1550
3.0 (10236)	208 (1)	OAS03008	510	10	18	1/30	208	1550
3.0 (10236)	208 (3/1 <sup>1</sup> )	OAS03038	510	10	18	1/30	208	1550
4.0 (13648)	208 (1)	OAS04008	510	14	25	1/30	208	1550
4.0 (13648)	208 (3/1 <sup>1</sup> )	OAS04038	510	14	25	1/30	208	1550
5.0 (17060)	208 (1)	OAS05008	700	13	23	1/30	208	1550
5.0 (17060)	208 (3/1 <sup>1</sup> )	OAS05038	700	13	23	1/30	208	1550
7.5 (25590)	208 (3/1 <sup>1</sup> )	OAS07538	700	19	34	1/30	208	1550
10.0 (34120)	208 (1)	OAS10008	700	25	45	1/30	208	1550
10.0 (34120)	208 (3)	OAS10038	700	25	45	1/30	208	1550
15.0 (51180)	208 (3/1 <sup>1</sup> )	OAS15038	1300	20	36	1/8	208	1550
20.0 (68240)	208 (3/1 <sup>1</sup> )	OAS20038	1300	27	49	1/8	208	1550
25.0 (85300)	208 (3/1 <sup>1</sup> )	OAS25038	1300	34	61	1/8	208	1550
2.0 (6824)	240 (1)	OAS02000	510	7	13	1/30	240	1550
3.0 (10236)	240 (1)	OAS03000	510	10	18	1/30	240	1550
4.0 (13648)	240 (1)	OAS04000	510	14	25	1/30	240	1550
5.0 (17060)	240 (1)	OAS05000	700	13	23	1/30	240	1550
7.5 (25590)	240 (1)	OAS07500	700	19	34	1/30	240	1550
10.0 (34120)	240 (1)	OAS10000	700	25	45	1/30	240	1550
15.0 (51180)	240 (1)	OAS15000	1300	20	36	1/8	240	1550
20.0 (68240)	240 (1)	OAS20000	1300	27	49	1/8	240	1550
25.0 (85300)	240 (1)	OAS25000	1300	34	61	1/8	240	1550
2.0 (6824)	347 (1)	OAS02007	510	7	13	1/30	240	1550
3.0 (10236)	347 (1)	OAS03007	510	10	18	1/30	240	1550
4.0 (13648)	347 (1)	OAS04007	510	14	25	1/30	240	1550
5.0 (17060)	347 (1)	OAS05007	700	13	23	1/30	240	1550
7.5 (25590)	347 (1)	OAS07507	700	19	34	1/30	240	1550
10.0 (34120)	347 (1)	OAS10007	700	25	45	1/30	240	1550
2.0 (6824)	480 (3)	OAS02034	510	7	13	1/30	240	1550
3.0 (10236)	480 (3)	OAS03034	510	10	18	1/30	240	1550
4.0 (13648)	480 (3)	OAS04034	510	14	25	1/30	240	1550
5.0 (17060)	480 (3)	OAS05034	700	13	23	1/30	240	1550
7.5 (25590)	480 (3)	OAS07534	700	19	34	1/30	240	1550
10.0 (34120)	480 (3)	OAS10034	700	25	45	1/30	240	1550
15.0 (51180)	480 (3)	OAS15034	1400	19	34	1/3	480	1725
20.0 (68240)	480 (3)	OAS20034	1400	25	45	1/3	480	1725
25.0 (85300)	480 (3)	OAS25034	1400	31	56	1/3	480	1725
30.0 (102360)	480 (3)	OAS30034	1400	38	68	1/3	480	1725
40.0 (136480)	480 (3)	OAS40034 <sup>2</sup>	2000	35	63	3/4	480	1140
50.0 (170600)	480 (3)	OAS50034 <sup>2</sup>	2000	44	79	3/4	480	1140
60.0 (204720)	480 (3)	OAS60034 <sup>2</sup>	2000	53	95	3/4	480	1140
2.0 (6824)	600 (1)	OAS02006	510	7	13	1/30	240	1550
2.0 (6824)	600 (3)	OAS02036	510	7	13	1/30	240	1550
3.0 (10236)	600 (1)	OAS03006	510	10	18	1/30	240	1550
3.0 (10236)	600 (3)	OAS03036	510	10	18	1/30	240	1550
4.0 (13648)	600 (1)	OAS04006	510	14	25	1/30	240	1550
4.0 (13648)	600 (3/1 <sup>1</sup> )	OAS04036	510	14	25	1/30	240	1550
5.0 (17060)	600 (1)	OAS05006	700	13	23	1/30	240	1550
5.0 (17060)	600 (3/1 <sup>1</sup> )	OAS05036	700	13	23	1/30	240	1550
7.5 (25590)	600 (3/1 <sup>1</sup> )	OAS07536	700	19	34	1/30	240	1550
10.0 (34120)	600 (3/1 <sup>1</sup> )	OAS10036	700	25	45	1/30	240	1550
15.0 (51180)	600 (1)	OAS15006	1400	19	34	1/3	600	1725
15.0 (51180)	600 (3)	OAS15036	1400	19	34	1/3	600	1680
20.0 (68240)	600 (1)	OAS20006	1400	25	45	1/3	600	1725
20.0 (68240)	600 (3)	OAS20036	1400	25	45	1/3	600	1680
25.0 (85300)	600 (1)	OAS25006	1400	31	56	1/3	600	1725
25.0 (85300)	600 (3)	OAS25036	1400	31	56	1/3	600	1680
30.0 (102360)	600 (3)	OAS30036	1400	38	68	1/3	600	1725
40.0 (136480)	600 (3)	OAS40036 <sup>2</sup>	2000	35	63	3/4	600	1140
50.0 (170600)	600 (3)	OAS50036	2000	44	79	3/4	600	1140
60.0 (204720)	600 (3)	OAS60036	2000	53	95	3/4	600	1140

<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.

# OAS

## Options

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

<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 at page 81.

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

**Standard Installation**

Small Area      Large Area

**Side View**  
Motor in Cold Section

Motor      Heating Elements      Louvres  
Fan

	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>B</b>	419	16 1/2	556	21 7/8	641	25 1/4
<b>C</b>	432	17	572	22 1/2	870	34 1/4
<b>D</b>	357	14 1/16	470	18 1/2	-	-
<b>E</b>	290	11 7/16	407	16	-	-
<b>F</b>	490	19 5/16	630	24 13/16	924	36 3/8
<b>G</b>	305	12	305	12	305	12
<b>H</b>	123	4 7/8	148	5 13/16	305	12
<b>I</b>	428	16 7/8	592	23 5/16	890	35
<b>Weight</b>	<b>kg</b>	<b>lb</b>	<b>kg</b>	<b>lb</b>	<b>kg</b>	<b>lb</b>
	20	45	39	85	68	150

4 Threaded Rods  
(1/2" - 13 UNC)  
(Not Included)

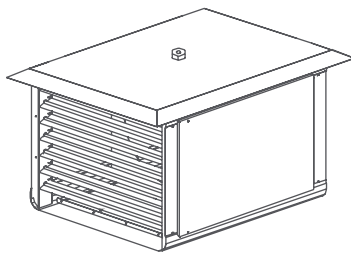
**G (min.)**

# OAS-MD Mine Duty Option

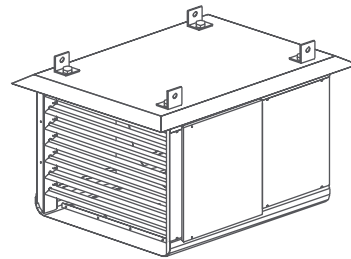


## Features -MD Option

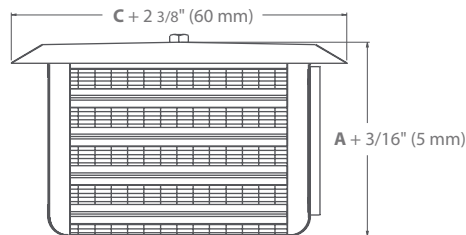
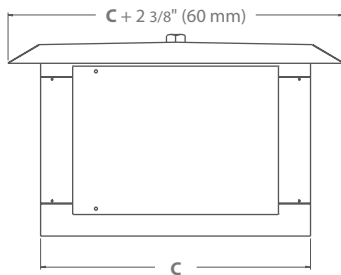
- Drip shield. 1
- Sealed wiring compartment. 2
- Hinged door with neoprene gasket. 3
- Element delay on ON cycle (fan delay on OFF cycle).
- Heavy duty 18-gauge grille. 4
- Double-pole contactor.
- Heating element can be factory sealed upon request to minimize moisture absorption (option -ES). 5



2 to 30kW



40 to 60kW



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