

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 # | Price | cfm | Temperature Rise | | | Motor | |
|---------------|-------------------------|-----------------------|---------|------|------------------|----|------|-------|------|
| | | | | | °C | °F | HP | Volts | rpm |
| 2.0 (6824) | 208 (1) | OAS02008 | 795.00 | 510 | 7 | 13 | 1/30 | 208 | 1550 |
| 2.0 (6824) | 208 (3/1 ¹) | OAS02038 | 795.00 | 510 | 7 | 13 | 1/30 | 208 | 1550 |
| 3.0 (10236) | 208 (1) | OAS03008 | 789.00 | 510 | 10 | 18 | 1/30 | 208 | 1550 |
| 3.0 (10236) | 208 (3/1 ¹) | OAS03038 | 789.00 | 510 | 10 | 18 | 1/30 | 208 | 1550 |
| 4.0 (13648) | 208 (1) | OAS04008 | 808.00 | 510 | 14 | 25 | 1/30 | 208 | 1550 |
| 4.0 (13648) | 208 (3/1 ¹) | OAS04038 | 808.00 | 510 | 14 | 25 | 1/30 | 208 | 1550 |
| 5.0 (17060) | 208 (1) | OAS05008 | 931.00 | 700 | 13 | 23 | 1/30 | 208 | 1550 |
| 5.0 (17060) | 208 (3/1 ¹) | OAS05038 | 931.00 | 700 | 13 | 23 | 1/30 | 208 | 1550 |
| 7.5 (25590) | 208 (3/1 ¹) | OAS07538 | 1340.00 | 700 | 19 | 34 | 1/30 | 208 | 1550 |
| 10.0 (34120) | 208 (1) | OAS10008 | 1414.00 | 700 | 25 | 45 | 1/30 | 208 | 1550 |
| 10.0 (34120) | 208 (3) | OAS10038 | 1414.00 | 700 | 25 | 45 | 1/30 | 208 | 1550 |
| 15.0 (51180) | 208 (3/1 ¹) | OAS15038 | 1927.00 | 1300 | 20 | 36 | 1/8 | 208 | 1550 |
| 20.0 (68240) | 208 (3/1 ¹) | OAS20038 | 2121.00 | 1300 | 27 | 49 | 1/8 | 208 | 1550 |
| 25.0 (85300) | 208 (3/1 ¹) | OAS25038 | 2405.00 | 1300 | 34 | 61 | 1/8 | 208 | 1550 |
| 2.0 (6824) | 240 (1) | OAS02000 | 795.00 | 510 | 7 | 13 | 1/30 | 240 | 1550 |
| 3.0 (10236) | 240 (1) | OAS03000 | 789.00 | 510 | 10 | 18 | 1/30 | 240 | 1550 |
| 4.0 (13648) | 240 (1) | OAS04000 | 808.00 | 510 | 14 | 25 | 1/30 | 240 | 1550 |
| 5.0 (17060) | 240 (1) | OAS05000 | 931.00 | 700 | 13 | 23 | 1/30 | 240 | 1550 |
| 7.5 (25590) | 240 (1) | OAS07500 | 1340.00 | 700 | 19 | 34 | 1/30 | 240 | 1550 |
| 10.0 (34120) | 240 (1) | OAS10000 | 1414.00 | 700 | 25 | 45 | 1/30 | 240 | 1550 |
| 15.0 (51180) | 240 (1) | OAS15000 | 1927.00 | 1300 | 20 | 36 | 1/8 | 240 | 1550 |
| 20.0 (68240) | 240 (1) | OAS20000 | 2121.00 | 1300 | 27 | 49 | 1/8 | 240 | 1550 |
| 25.0 (85300) | 240 (1) | OAS25000 | 2405.00 | 1300 | 34 | 61 | 1/8 | 240 | 1550 |
| 2.0 (6824) | 347 (1) | OAS02007 | 948.00 | 510 | 7 | 13 | 1/30 | 240 | 1550 |
| 3.0 (10236) | 347 (1) | OAS03007 | 979.00 | 510 | 10 | 18 | 1/30 | 240 | 1550 |
| 4.0 (13648) | 347 (1) | OAS04007 | 1003.00 | 510 | 14 | 25 | 1/30 | 240 | 1550 |
| 5.0 (17060) | 347 (1) | OAS05007 | 1038.00 | 700 | 13 | 23 | 1/30 | 240 | 1550 |
| 7.5 (25590) | 347 (1) | OAS07507 | 1516.00 | 700 | 19 | 34 | 1/30 | 240 | 1550 |
| 10.0 (34120) | 347 (1) | OAS10007 | 1544.00 | 700 | 25 | 45 | 1/30 | 240 | 1550 |
| 2.0 (6824) | 480 (3) | OAS02034 | 948.00 | 510 | 7 | 13 | 1/30 | 240 | 1550 |
| 3.0 (10236) | 480 (3) | OAS03034 | 979.00 | 510 | 10 | 18 | 1/30 | 240 | 1550 |
| 4.0 (13648) | 480 (3) | OAS04034 | 1003.00 | 510 | 14 | 25 | 1/30 | 240 | 1550 |
| 5.0 (17060) | 480 (3) | OAS05034 | 1038.00 | 700 | 13 | 23 | 1/30 | 240 | 1550 |
| 7.5 (25590) | 480 (3) | OAS07534 | 1516.00 | 700 | 19 | 34 | 1/30 | 240 | 1550 |
| 10.0 (34120) | 480 (3) | OAS10034 | 1544.00 | 700 | 25 | 45 | 1/30 | 240 | 1550 |
| 15.0 (51180) | 480 (3) | OAS15034 | 1927.00 | 1400 | 19 | 34 | 1/3 | 480 | 1725 |
| 20.0 (68240) | 480 (3) | OAS20034 | 2121.00 | 1400 | 25 | 45 | 1/3 | 480 | 1725 |
| 25.0 (85300) | 480 (3) | OAS25034 | 2453.00 | 1400 | 31 | 56 | 1/3 | 480 | 1725 |
| 30.0 (102360) | 480 (3) | OAS30034 | 2498.00 | 1400 | 38 | 68 | 1/3 | 480 | 1725 |
| 40.0 (136480) | 480 (3) | OAS40034 ² | 3294.00 | 2000 | 35 | 63 | 3/4 | 480 | 1140 |
| 50.0 (170600) | 480 (3) | OAS50034 ² | 3507.00 | 2000 | 44 | 79 | 3/4 | 480 | 1140 |
| 60.0 (204720) | 480 (3) | OAS60034 ² | 3855.00 | 2000 | 53 | 95 | 3/4 | 480 | 1140 |
| 2.0 (6824) | 600 (1) | OAS02006 | 948.00 | 510 | 7 | 13 | 1/30 | 240 | 1550 |
| 2.0 (6824) | 600 (3) | OAS02036 | 948.00 | 510 | 7 | 13 | 1/30 | 240 | 1550 |
| 3.0 (10236) | 600 (1) | OAS03006 | 979.00 | 510 | 10 | 18 | 1/30 | 240 | 1550 |
| 3.0 (10236) | 600 (3) | OAS03036 | 979.00 | 510 | 10 | 18 | 1/30 | 240 | 1550 |
| 4.0 (13648) | 600 (1) | OAS04006 | 1003.00 | 510 | 14 | 25 | 1/30 | 240 | 1550 |
| 4.0 (13648) | 600 (3/1 ¹) | OAS04036 | 1003.00 | 510 | 14 | 25 | 1/30 | 240 | 1550 |
| 5.0 (17060) | 600 (1) | OAS05006 | 1038.00 | 700 | 13 | 23 | 1/30 | 240 | 1550 |
| 5.0 (17060) | 600 (3/1 ¹) | OAS05036 | 1038.00 | 700 | 13 | 23 | 1/30 | 240 | 1550 |
| 7.5 (25590) | 600 (3/1 ¹) | OAS07536 | 1516.00 | 700 | 19 | 34 | 1/30 | 240 | 1550 |
| 10.0 (34120) | 600 (3/1 ¹) | OAS10036 | 1544.00 | 700 | 25 | 45 | 1/30 | 240 | 1550 |
| 15.0 (51180) | 600 (1) | OAS15006 | 1927.00 | 1400 | 19 | 34 | 1/3 | 600 | 1725 |
| 15.0 (51180) | 600 (3) | OAS15036 | 1927.00 | 1400 | 19 | 34 | 1/3 | 600 | 1680 |
| 20.0 (68240) | 600 (1) | OAS20006 | 2121.00 | 1400 | 25 | 45 | 1/3 | 600 | 1725 |
| 20.0 (68240) | 600 (3) | OAS20036 | 2121.00 | 1400 | 25 | 45 | 1/3 | 600 | 1680 |
| 25.0 (85300) | 600 (1) | OAS25006 | 2453.00 | 1400 | 31 | 56 | 1/3 | 600 | 1725 |
| 25.0 (85300) | 600 (3) | OAS25036 | 2453.00 | 1400 | 31 | 56 | 1/3 | 600 | 1680 |
| 30.0 (102360) | 600 (3) | OAS30036 | 2498.00 | 1400 | 38 | 68 | 1/3 | 600 | 1725 |
| 40.0 (136480) | 600 (3) | OAS40036 ² | 3294.00 | 2000 | 35 | 63 | 3/4 | 600 | 1140 |
| 50.0 (170600) | 600 (3) | OAS50036 | 3507.00 | 2000 | 44 | 79 | 3/4 | 600 | 1140 |
| 60.0 (204720) | 600 (3) | OAS60036 | 3855.00 | 2000 | 53 | 95 | 3/4 | 600 | 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 OAS-DIS80.

Standard color is almond.

277V available upon request.

OAS

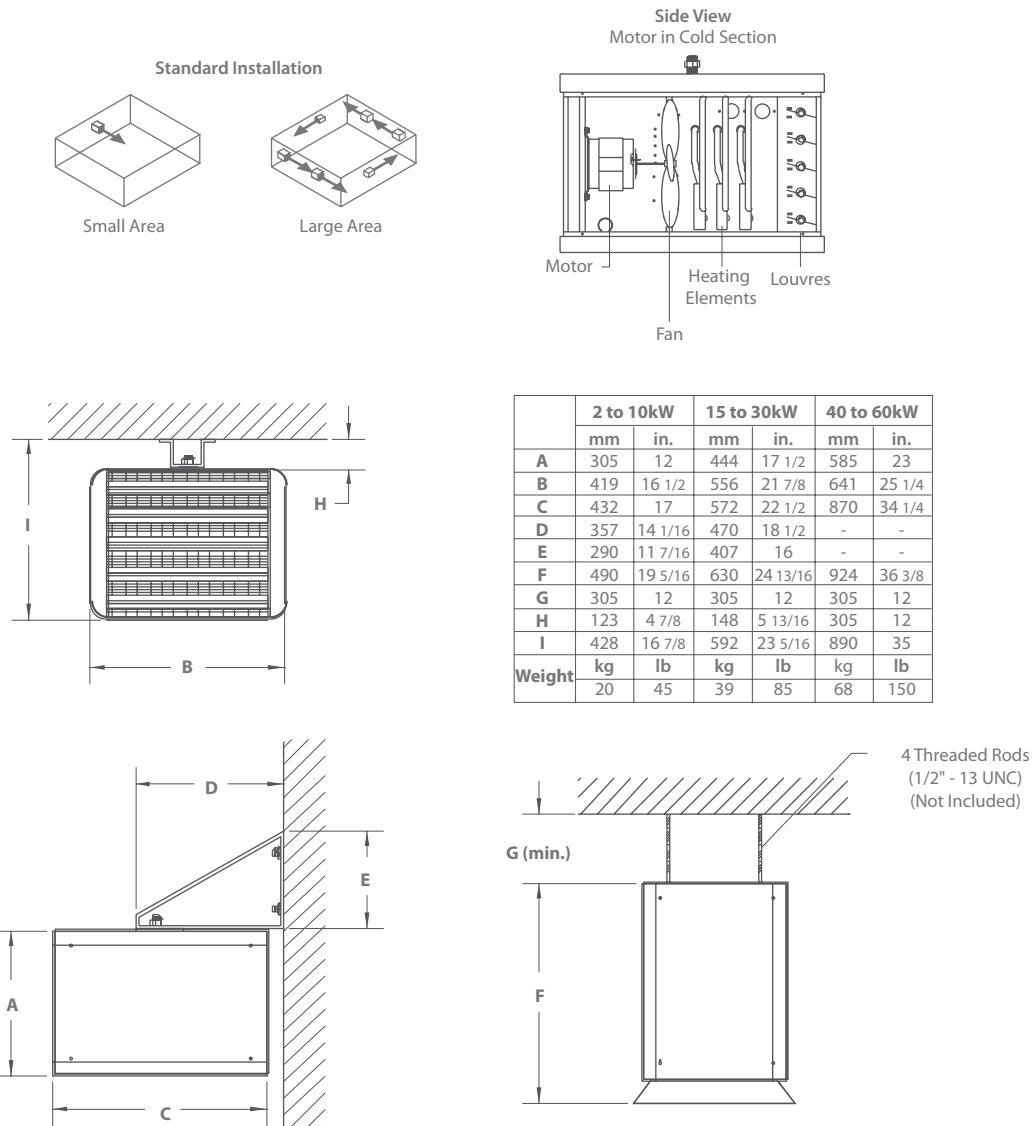
Options

| Product # | Price | Description | Factory Installed | Kit |
|---------------------|--------|---|-------------------|-----|
| OAS1-120/XXX | 104.00 | 120V control circuit (XXX = 208V, 240V, 277V, 347V, 480V, 600V) 2 to 10kW units | ✓ | - |
| OAS2-120/XXX | 104.00 | 120V control circuit (XXX = 208V, 240V, 480V, 600V) 15 to 30kW units | ✓ | - |
| OAS3-120/XXX | 104.00 | 120V control circuit (XXX = 240V, 480V, 600V) 40 to 60kW units | ✓ | - |
| OAS-3P | 50.00 | Triple-pole contactor | ✓ | ✓ |
| OAS-CD1 | 98.00 | Diffuser cone, 2 to 10kW units | - | ✓ |
| OAS-CD2 | 121.00 | Diffuser cone, 15 to 30kW units | - | ✓ |
| OAS-CD3 | 150.00 | Diffuser cone, 40 to 60kW units | - | ✓ |
| OAS-CV-277 | 48.00 | Summer fan switch, with motor 240V and 277V | ✓ | - |
| OAS-CV-600 | 66.00 | Summer fan switch, with motor 480V and 600V | ✓ | - |
| OAS-DIS40 | 115.00 | Disconnect switch, 40A | ✓ | - |
| OAS-DIS80 | 138.00 | Disconnect switch, 80A | ✓ | - |
| OAS-DIS100 | 471.00 | Disconnect switch, 100A | ✓ | - |
| OAS-ES ¹ | 52.00 | Factory sealed element | ✓ | - |
| OAS-FAN-AM | 32.00 | Fan blades with almond epoxy/polyester coating | ✓ | - |
| OAS-MD ² | 276.00 | Mine duty | ✓ | - |
| OAS-R | 101.00 | 24V relay, without transformer | ✓ | ✓ |
| OAS-R/CV-240 | 70.00 | Summer fan relay 240V, remote control (switch not included) | ✓ | - |
| OAS-RT | 110.00 | 24V relay, with transformer | ✓ | ✓ |
| OAS-T | 82.00 | Thermostat | ✓ | ✓ |

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 at page 81.

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

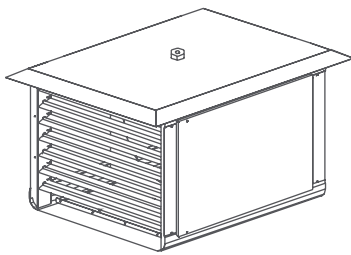


OAS-MD Mine Duty Option

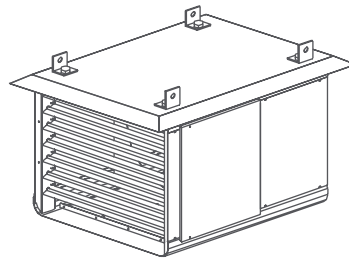


Features -MD Option

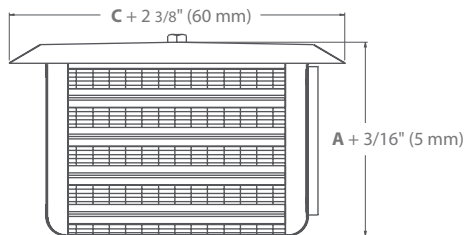
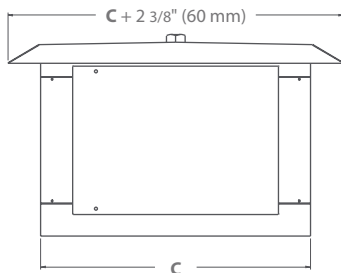
- Drip shield. 1
- Sealed wiring compartment. 2
- Hinged door with neoprene gasket. 3
- Element delay on ON cycle (fan delay on OFF cycle).
- Heavy duty 18-gauge grille. 4
- Double-pole contactor.
- Heating element can be factory sealed upon request to minimize moisture absorption (option -ES). 5



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 |