MODULATING FURNACE & TANKLESS WATER HEATING

from one high-efficient product.



INDUSTRY LEADING EFFICIENCY

- Eliminate furnace short-cycling with our industry leading modulation range [19,000 BTU/hr min input]
- 10:1 burner system modulation
- Premium variable-speed furnace blower
- .95 EF efficiency rated

SUPERIOR WATER HEATING PERFORMANCE

- Dual pass stainless steel heat exchanger with 1 gal. internal storage buffer
- 192,000 <> 19,000 BTU/hr burner capacity
- 4.8 GPM output @ 77°F temperature rise
- Optional DHW Re-circ Add-on

ONLY ONE DIRECT VENT CHIMNEY FOR YOUR HOME

- PVC, Polyproplyne Venting [2" or 3"]
- Only one side-wall vent set required
- Reduce building envelope penetrations
- Ideal for homes with complex side-wall gas venting
- Retro-fit inside existing B-vent and terminate vertically up and out roof

MORE LIVABLE SPACE IN YOUR HOME

- syncFURNACE installs in half the space as a tradition furnace & water heater system
- Eliminates the space required by a traditional water heater
- Giving you more storage space in replacement projects and more livable space in new home applications





SUNCFLIRNACE TANKLESS

| FURNACE + WATER HEATER | | | Standard Duct | | | | | High Velocity Duct | | |
|--|--|---|----------------|---------------------|-------------------|-------------------|---------------------|---------------------|-------------------|--|
| mOD-200 | | 5L | 10L | 14L | 18L | 22L | 06H | 10H | 15H | |
| Weight | lbs | 215 | 225 | 235 | 245 | 260 | 225 | 235 | 245 | |
| Dimensions [H x D x W] | inch | 40.5 x 30 x 17.5 | | 40.5 x 37 x 17.5 | 44.5 x 37 x 21 | 44.5 x 37 x 24 | 40.5 x 30 x 17.5 | 40.5 x 37 x 17.5 | 44.5 x 37 x 21 | |
| Electrical - Main Supply | | 115 Vac 60 Hz Single Phase | | | | | | | | |
| Minimum Circuit Ampacity | А | 7.8 | 14.7 | 14.7 | 14.7 | 14.7 | 7.8 | 14.7 | 14.7 | |
| Max Fuse / Circuit Breaker Size | Α | 15 | 20 | 20 | 20 | 20 | 15 | 20 | 20 | |
| Fan-coil Blower FLA | Α | 2.3 | 9.6 | 9.6 | 9.6 | 12.8 | 2.3 | 9.6 | 9.6 | |
| Fan-coil Blower Size | | BC 225 | FC 10x6 | FC 10x6 | FC 10x6 | FC 11x10 | BC 225 | FC 10x6 | FC 10x6 | |
| Fan-coil Blower Motor Type | | Variable-speed | | | | | | | | |
| Fan-coil Max External Static Pressure | inch w.c. | 0.6 | | | | 1.5 | | | | |
| Fan-coil Air-Flow Range - Nominal [Adjustable] | CFM | 200 - 500 | 300 - 1,000 | 400 - 1,400 | 600 - 1,800 | 800 - 2,200 | 200 - 600 | 320 - 1,000 | 500 - 1,500 | |
| Fan-coil Space Heating Output [Min - Max @ 140 °F Water Supply] | МВН | 19 - 28 | 19 - 50 | 19 - 65 | 19 - 80 | 19 - 92 | 19 - 35 | 19 - 48 | 19 - 72 | |
| Burner Input [Low Fire - High Fire] | MBH | 19 - 192 | | | | | | | | |
| Burner Output [Low Fire - High Fire] | MBH | 18.6 - 186 | | | | | | | | |
| Nat Gas Supply Pressure [Min - Max] | inch w.c. | 3.5 - 10 | | | | | | | | |
| Propane Supply Pressure [Min - Max] | inch w.c. | 8 - 13 | | | | | | | | |
| Energy Factor - [EF] | % | .95 | | | | | | | | |
| Hot Water Setpoint [Min - Max] | °F | 90 - 140 | | | | | | | | |
| Water Pressure [Min - Max] | psig | 30 - 150 | | | | | | | | |
| DHW Flow Capability | usgpm | 10.5 @ Δ 35°F 8.2 @ Δ 45°F 5.1 @ Δ 72°F 4.8 @ Δ 77°F | | | | | | ∆ 77°F | | |
| Minimum Activation Flow Rate | usgpm | 0.5 [0.3 de-activation] | | | | | | | | |
| Re-circulation Pump | | Grundfos 15-78 (non-ferrous) | | | | | | | | |
| Approved Gas Vent Size | | 2" or 3" dia. | | | | | | | | |
| Approved Gas Vent Material | | PVC, polypropylene / special vent type BH (Class II, A/B/C) | | | | | | | | |
| Gas Vent Max Lengths | | 2" dia. = 30ft per vent run 3" dia. = 100ft per vent run | | | | | | | | |
| Warranty | 5yrs all parts + 10yrs heat exchgr [Registered: 10yrs all parts & heat exchgr] | | | | | | | | | |

STANDARD FEATURES:

- > High-efficient water heater, including;
- Stainless steel, CSA approved condensing water heater
- Built-in 1ga internal DHW storage buffer
- Direct vent, modulating, factory set natural-gas burner
- 10:1 burner turn-down ratio
- LP gas conversion kit available
- Includes Grundfos non-ferrous hot water re-circ pump
- Internal 150 psig pressure relief valve
- Direct spark ignition system
- Internal condensation trap

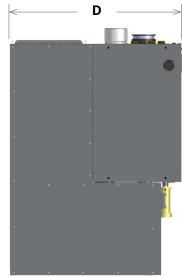
> Energy-efficient hydronic fan-coil, Including;

- Variable-speed blower motor
- Standard duct (low velocity) or high velocity option
- Compatible with third-party HVAC accessories / equipment (smart thermostats, humidifiers, filtration etc.)
- A/C ready

> Built-in Safeties

- Water temp high-limit
- Burner flame quality
- Blocked condensation trap
- Venting high-limit





MODULATING FURNACE & TANKLESS WATER HEATING

from one high-efficient product



INDUSTRY LEADING EFFICIENCY

- Eliminate furnace short-cycling with our industry leading modulation range [18,000 BTU/hr min input]
- 10:1 burner system modulation Full variable-speed furnace blower .95 UEF efficiency rated

SUPERIOR WATER HEATING **PERFORMANCE**

- Dual pass stainless steel heat exchanger with 1 gal. internal storage buffer
- 199,000 <> 19,000 BTU/hr burner capacity
- 5.0 GPM output @ 77°F temperature rise
- Optional DHW re-circ add-on

ONE DIRECT VENT CHIMNEY

- PVC, polyproplyne venting [2" or 3"]
- Only one side-wall vent set required
- Reduce building envelope penetrations
- Ideal for homes with complex side-wall gas venting
- Retro-fit inside existing B-vent and terminate vertically up and out roof

SMALLER MECHANICAL ROOMS, **MORE LIVABLE SPACE**

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- Eliminates the space required by a traditional water heater
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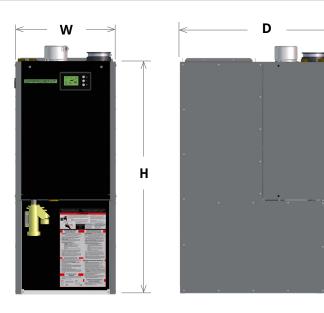


SUNCFLIRNACE TANKLESS

| FURNACE + WATER HEATER | | Standard Duct | | | | | High Velocity Duct | | |
|--|--|---|--------------|-------------------|-----------------|-----------------|--------------------|----------------|--|
| mOD-201 | | 5L | 8L | 12L | 16L | 20L | 06H | 10H | |
| Weight | lbs | 190 | 200 | 215 | 230 | 245 | 200 | 215 | |
| Dimensions [H x D x W] | inch | 35 x 30 x 17.5 | | 35 x 37 x 17.5 | 35 x 37 x 21 | 35 x 37 x 24 | 35 x 30 x 17.5 | 35 x 37 x 17.5 | |
| Electrical - Main Supply | | 115 Vac 60 Hz Single Phase | | | | | | | |
| Minimum Circuit Ampacity | Α | 6.8 | 6.7 | 7.8 | 7.7 | 7.7 | 7.8 | 7.7 | |
| Max Fuse / Circuit Breaker Size | Α | 15 | 15 | 15 | 15 | 15 | 15 | 15 | |
| Fan-coil Blower FLA | А | 2.4 | 2.3 | 3.2 | 3.1 | 3.1 | 2.3 | 3.2 | |
| Fan-coil Blower Size | | BC 225 | BC 280 | BC 310 | BC 400 | BC 400 | BC 280 | BC 310 | |
| Fan-coil Blower Motor Type | | Direct Drive Motor Full Variable-speed | | | | | | | |
| Fan-coil Max External Static Pressure | inch w.c. | 0.6 | | | | | | .2 | |
| Fan-coil Air-Flow Range - Nominal [Adjustable] | CFM | 200 - 500 | 300 - 800 | 400 - 1,200 | 500 - 1,600 | 500 - 2,000 | 200 - 500 | 300 - 1,000 | |
| Fan-coil Space Heating Output [Min - Max @ 140 °F Water Supply] | МВН | 18 - 30 | 18 - 42 | 18 - 64 | 18 - 80 | 18 - 95 | 18 - 32 | 18 - 48 | |
| Burner Input [Low Fire - High Fire] | MBH | 19 - 199 | | | | | | | |
| Burner Output [Low Fire - High Fire] | MBH | 18.6 - 190 | | | | | | | |
| Nat Gas Supply Pressure [Min - Max] | inch w.c. | 3.5 - 10 | | | | | | | |
| Propane Supply Pressure [Min - Max] | inch w.c. | 8 - 13 | | | | | | | |
| Energy Factor - [EF] | % | .95 | | | | | | | |
| Hot Water Setpoint [Min - Max] | °F | 90 - 140 | | | | | | | |
| Water Pressure [Min - Max] | psig | 30 - 150 | | | | | | | |
| DHW Flow Capability | usgpm | 10.5 @ Δ 35°F 8.2 @ Δ 45°F 5.1 @ Δ 72°F 4.8 @ Δ 77°F | | | | | | | |
| Minimum Activation Flow Rate | usgpm | 0.5 [0.3 de-activation] | | | | | | | |
| Re-circulation Pump | | Grundfos 15-78 (non-ferrous) | | | | | | | |
| Approved Gas Vent Size | | 2" or 3" dia. | | | | | | | |
| Approved Gas Vent Material | | PVC, polypropylene / special vent type BH (Class II, A/B/C) | | | | | | | |
| Gas Vent Max Lengths | | 2" dia. = 30ft per vent run 3" dia. = 100ft per vent run | | | | | | | |
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- 10:1 burner turn-down ratio
- LP gas conversion kit available
- Includes Grundfos non-ferrous pump
- Internal 150 psig pressure relief valve
- Direct spark ignition system
- Internal condensation trap
- > Energy-efficient hydronic fan-coil, Including;
- Full variable-speed backward curve blower
- Standard duct (low velocity) or high velocity option
- Compatible with 3rd party HVAC accessories / equipment (smart thermostats, humidifiers, filtration etc.)
- A/C ready
- > Built-in Safeties
- Water temp high-limit
- Burner flame quality
- Blocked condensation trap
- Venting high-limit



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