



Sample Specifications

GAS FIRED, HIGH EFFICIENCY, POWER-VENTED

Model SHE - Propeller fan, separated-combustion model, unit heater

Provide high-efficiency - greater than 90% efficient - gas-fired unit heaters manufactured as Reznor® brand units.

Each Model SHE series unit shall be equipped for use with (natural) (propane) gas and 115/1 volt power supply. The heater shall be equipped with an aluminized steel primary heat exchanger and secondary heat exchanger of corrosion resistant alloy. The heater shall be equipped with an aluminized steel burner rack with die-formed burners.

Standard controls include hot surface ignition with 100% lockout, a single-stage combination gas valve, a 115V fan motor with internal overload protection, a power venter motor, a pressure switch to verify vent flow, fan and limit controls, 24-volt control voltage transformer, horizontal flue and combustion air connections, and horizontal condensation drain connection. Supply air to be dispersed through horizontal louvers.

Units are to be provided for field installation with (horizontal) (vertical) vent/combustion air intake concentric adapter/terminal so that only one (wall) (roof) penetration will be necessary.

Model SHE units are design certified by the American Gas Association for commercial/industrial application. Model SHE units are manufactured in an ISO 9001 facility.

(See page 2 for additional information.)



Sample Specifications (cont'd)

GAS-FIRED, SEPARATED-COMBUSTION UNIT HEATERS

Provide high-efficiency, separated-combustion, gas-fired unit heaters manufactured as Reznor® brand units. They are to be designed for fuel use improvement of 25% and engineered for use in building areas with negative pressure and/or extremely dirty or mildly corrosive atmospheres. The use of a factory-installed power venter to draw combustion air from outside is to prevent dirt, lint, dust or other contaminants present in the heated space from entering the unit. The combustion air supply pipe and flue exhaust pipe shall be run parallel to a factory supplied (horizontal) (vertical) vent terminal assembly. The vent terminal assembly shall be concentrically arranged to allow for a single wall or roof penetration.

Model SFT - Propeller fan, separated-combustion model with tubular heat exchanger

Each Model SFT series unit shall be equipped for use with (natural) (propane) gas and 120/1 volt power supply. The heater shall be equipped with a tubular aluminized steel heat exchanger and a removable aluminized steel burner rack including an assembly of inshot burners. The units shall be designed to provide 80% thermal efficiency.

Standard controls include a single-stage gas valve, direct spark ignition with 100% shutoff, a fan motor, a power venter motor and wheel assembly, a combustion air pressure switch, and a safety limit switch. Operation is controlled by an integrated circuit board that includes an LED diagnostic indicator light. Supply voltage connections and 24-volt control connections are made at the circuit board. The low profile cabinet has a baked enamel and galvalume steel finish and is designed for ceiling suspension from four 3/8"-16 threaded hangers. The cabinet is equipped with horizontal (vertical) louvers (downturn nozzles) for directing air flow.

Model SFT Sizes 45, 60, and 75 are certified to IAS Requirement 10-96 for RESIDENTIAL INSTALLATION. All sizes are design certified by the American Gas Association and approved by the Canadian Gas Association for commercial/industrial application.

(See page 6 for additional information.)

Model SCA - Propeller fan, separated-combustion model

Each Model SCA series unit shall be equipped for use with (natural) (propane) gas and (120/1) (208/1) (208/3) (460/3) volt power supply. The heater shall be equipped with a Thermocore design heat exchanger of aluminized (E-3 stainless) (409 stainless) steel. Die-formed, aluminized steel burners include flared ports (burner air shutters) and a stainless steel insert. The units shall be designed to provide 80% thermal efficiency.

Controls include a 24-volt control transformer; single-stage (two-stage) (electronic modulation) gas control system; intermittent spark pilot with electronic flame supervision (and timed lockout); fan and limit safety controls; a combustion air pressure differential switch to verify proper vent flow; an open, drip-proof fan motor with internal overloads; and a power venter motor and wheel assembly. The cabinet is equipped with a full safety fan guard and horizontal louvers for directing air flow. The unit is arranged for ceiling suspension with 2-point threaded hanger connections (hanger kits).

Model SCA unit heaters are design certified by the American Gas Association and approved by the Canadian Gas Association.

(See page 16 for additional information.)

Model SCB - Centrifugal blower, separated-combustion model

Each Model SCB series unit shall be equipped for use with (natural) (propane) gas and (120/1) (208/1) (208/3) (460/3) volt power supply. The heater shall be equipped with a Thermocore design heat exchanger of aluminized (E-3 stainless) (409 stainless) steel. Die-formed, aluminized steel burners include flared ports (burner air shutters) and a stainless steel insert.

Controls include a 24-volt control transformer; single-stage (two-stage) (electronic modulation) gas control system; intermittent spark pilot with electronic flame supervision (and timed lockout); fan and limit safety controls; a combustion air pressure differential switch to verify proper vent flow; an open, drip-proof (totally enclosed) blower motor with (internal) (external) overloads; and a power venter motor and wheel assembly. Each unit must be able to operate with .25" w.c. of external static pressure. The cabinet is equipped with horizontal louvers and may be equipped with (an OSHA-type blower and belt guard) and (vertical) louvers (downturn nozzles) for directing airflow. The unit is arranged for ceiling suspension with 2-point threaded hanger connections (hanger kits).

Model SCB unit heaters are design certified by the American Gas Association and approved by the Canadian Gas Association.

(See page 18 for additional information.)



Sample Specifications (cont'd)

GAS-FIRED, POWER-VENTED UNIT HEATERS

Provide high-efficiency, gas-fired unit heaters manufactured as Reznor® brand units. They are to be designed for fuel use improvement of 25% over gravity-vent equipment through the use of a factory-installed power venter, a sealed vent product collection chamber, and an intermittent spark-ignited pilot or direct spark ignition. Units are designed to take combustion air from the indoor space and vent to the outdoors.

Model FT - Propeller fan, power-vented model with tubular heat exchanger

Each Model FT series unit shall be equipped for use with (natural) (propane) gas and 120/1 volt power supply. The heater shall be equipped with a tubular aluminized steel heat exchanger and a removable aluminized steel burner rack including an assembly of inshot burners. The units shall be designed to provide 80-81% thermal efficiency.

Standard controls include a single-stage gas valve, direct spark ignition with 100% shutoff, a fan motor, a power venter motor and wheel assembly, a combustion air pressure switch, and a safety limit switch. Operation is controlled by an integrated circuit board that includes an LED diagnostic indicator light. Supply voltage connections and 24-volt control connections are made at the circuit board. The low profile cabinet has a baked enamel and galvalume steel finish and is designed for ceiling suspension from four 3/8"-16 threaded hangers. The cabinet is equipped with horizontal (vertical) louvers (downturn nozzles) for directing air flow.

Model FT Sizes 30, 45, and 60 are certified to IAS Requirement 10-96 for RESIDENTIAL INSTALLATION. All sizes are design certified by the American Gas Association and approved by the Canadian Gas Association for commercial/industrial application.

(See page 4 for additional information.)

Model FE - Propeller fan, power-vented model

Each Model FE series unit shall be equipped for use with (natural) (propane) gas and (120/1) (208/1) (230/1) volt power supply. The heat exchanger shall be aluminized (E-3 stainless) (409 stainless) steel. Die-formed burners shall be of aluminized steel and include flared ports and a stainless steel insert. The units shall be designed to provide 80% thermal efficiency.

Controls include a 24-volt control transformer; single-stage (two-stage) gas control system; intermittent spark pilot with electronic flame supervision (and timed lockout); fan and limit safety controls; a combustion air pressure differential switch to verify proper vent flow; an open, drip-proof (totally enclosed) fan motor with internal overloads; and a power venter motor and wheel assembly. The cabinet is equipped with a full safety fan guard and horizontal (vertical) louvers (downturn nozzles) for directing airflow. The unit is arranged for ceiling suspension with 2-point (4-point) threaded hanger connections (hanger kits).

Model FE unit heaters are design certified by the American Gas Association and approved by the Canadian Gas Association.

(See page 8 for additional information including field-installed options.)

Model BE - Centrifugal blower, power-vented model

Each Model BE series unit shall be equipped for use with (natural) (propane) gas and (120/1) (230/1) (460/3) (575/3) volt power supply. The heat exchanger shall be aluminized (E-3 stainless) (409 stainless) steel. Die-formed burners shall be of aluminized steel and include flared ports and a stainless steel insert. The units shall be designed to provide 80% thermal efficiency.

Controls include a 24-volt control transformer; single-stage (two-stage) gas control system; intermittent spark pilot with electronic flame supervision (and timed lockout); fan and limit safety controls; a combustion air pressure differential switch to verify proper vent flow; a centrifugal blower with adjustable belt drive; an (open, drip-proof) (totally enclosed) blower motor with internal overloads; and a power venter motor and wheel assembly. Each unit must be able to overcome .25" w.c. (.5" w.c.) of external static pressure (and may be equipped with an OSHA-type belt and/or blower inlet guard). The cabinet is equipped with horizontal (vertical) louvers (downturn nozzles) for directing airflow or with a duct flange. The unit is arranged for ceiling suspension with 4-point threaded hanger connections (hanger kits).

Model BE unit heaters are design certified by the American Gas Association and approved by the Canadian Gas Association.

(See page 10 for additional information including field-installed options.)



Sample Specifications (cont'd)

GAS-FIRED, GRAVITY-VENTED UNIT HEATERS

Provide gravity-vented, high-efficiency, gas-fired unit heaters manufactured as Reznor® brand units. Units are designed to take combustion air from the indoor space and vent to the outdoors.

Model F - Gas-fired, propeller fan, gravity-vented model

Each Model F series unit shall be equipped for use with (natural) (propane) gas and (120/1/60) (208/1/60) (230/1/60) (220-240/1/50) volt power supply. The heat exchanger shall be aluminized (E-3 stainless) (409 stainless) steel. Die-formed burners shall be of aluminized steel and include flared ports and a stainless steel insert. The units shall be designed to provide 80% thermal efficiency.

Controls include a 24-volt control transformer; single-stage (two-stage) gas control system; a manual match-lit pilot (intermittent spark pilot with electronic flame supervision) (intermittent spark pilot with electronic flame subversion and timed lockout); fan and limit safety controls; an open, drip-proof (totally enclosed) fan motor with internal overloads; and a blocked vent switch system. The cabinet is equipped with a full safety fan guard and horizontal (vertical) louvers (downturn nozzles) for directing airflow. The unit is arranged for ceiling suspension with 2-point (4-point) threaded hanger connections (hanger kits).

Model F unit heaters are design certified by the American Gas Association and approved by the Canadian Gas Association.

(See page 12 for additional information including field-installed options.)

Model B - Gas-fired, blower, gravity-vented model

Each Model B series unit shall be equipped for use with (natural) (propane) gas and (120/1) (230/1) (460/3) (575/3) volt power supply. The heat exchanger shall be aluminized (E-3 stainless) (409 stainless) steel. Die-formed burners shall be of aluminized steel and include flared ports and a stainless steel insert. The units shall be designed to provide 80% thermal efficiency.

Controls include a 24-volt control transformer; single-stage (two-stage) gas control system; manual match-lit pilot (intermittent spark pilot with electronic flame supervision) (intermittent spark pilot with electronic flame supervision and timed lockout); fan and limit safety controls; a centrifugal blower with adjustable belt drive; and an open, drip-proof (totally enclosed) blower motor with internal overloads. Each unit must be able to overcome .25" w.c. (.5" w.c.) of external static pressure (and may be equipped with an OSHA-type belt and/or blower inlet guard). The cabinet is equipped with horizontal (vertical) louvers (downturn nozzles) for directing airflow or with a duct flange. The unit is arranged for ceiling suspension with 4-point threaded hanger connections (hanger kits).

Model B unit heaters are design certified by the American Gas Association and approved by the Canadian Gas Association.

(See page 14 for additional information including field-installed options.)



Sample Specifications (cont'd)

ELECTRIC, PROPELLER FAN UNIT HEATERS

Provide electric, propeller fan unit heaters manufactured as Reznor® brand units. The units shall be completely packaged and arranged for ceiling suspension with threaded suspension sockets (ceiling or wall mounting brackets). Cabinets are equipped with horizontal (vertical) louvers and safety fan guard.

Heaters are to be equipped with a low temperature, enclosed-style heating elements of steel and monel with spiral fin copper brazed to the element. The units are equipped with propeller fan(s) and permanently lubricated fan motor(s) with internal overloads. Motor contactors are to be provided on all three-phase units and all units larger than 5.0 kw.

Model AEUH - Electric, propeller fan model

Sizes 3.0 - 12.0 kw have a line voltage control circuit and include an automatic high limit.

Model AEUH unit heaters are design certified by Underwriters Laboratories (UL).

Model EUH - Electric, propeller fan model

Sizes 15.0 - 60.0 kw have a 24-volt control system, a fan time delay control, and an automatic high limit.

Model EUH unit heaters are design certified by Underwriters Laboratories (UL).

(See page 22 for additional information including field-installed options.)

OIL-FIRED, GRAVITY-VENTED UNIT HEATERS

Provide oil-fired unit heaters manufactured as Reznor® brand units. The units shall be completely packaged and arranged for ceiling suspension with four-point threaded suspension sockets. They shall be equipped for use with #2 oil using a pressure-atomizing gun-type power burner, a single-stage fuel pump, and an electric spark ignition with an automatic cad-cell flame safety system with manual reset.

Heaters are to be equipped with a heavy, 13-gauge combustion chamber and low stress 18-gauge steel heat exchanger. All sizes shall include flame observation port, CO₂ sample port, and service and cleanout access panels.

Each unit is to be equipped with a combination fan and limit switch with manual fan switch for safety and comfort control. The units are to be used with 115-volt supply and have a 24-volt control transformer.

Model OH - Oil-Fired, propeller fan model

Model OH heaters are provided with a propeller fan and a totally enclosed fan motor with internal overloads. Each unit is to be equipped with a burner service tray, an OSHA-type fan guard, and horizontal (vertical) air directional louvers.

Model OH unit heaters are design certified by Underwriters Laboratories (UL) or certified by the Canadian Standards Association (CSA).

(See page 20 for additional information including field-installed options.)

Model OB - Oil-Fired, centrifugal blower model

Model OB heaters are provided with a centrifugal blower with an adjustable belt drive and a totally enclosed, split-phase motor with internal overloads. Each unit is to be equipped with a burner service tray, an OSHA-type belt and blower inlet guard, and horizontal (vertical) air directional louvers.

Model OB unit heaters are design certified by Underwriters Laboratories (UL) or certified by the Canadian Standards Association (CSA).

(See page 20 for additional information including field-installed options.)