

SCE - INDOOR HEATING AND MAKEUP AIR UNITS (SEPARATED COMBUSTION)

Provide packaged, indoor heating and makeup air units with separated combustion as Reznor® brand equipment. The units shall be the SCE series, with separated-combustion gas furnaces, arranged for ceiling suspension with threaded suspension couplings. The gas furnace is to be arranged for ducted inlet combustion air and flue gas exhaust. The unit must have single point wall or roof penetration for entry of combustion air and exhaust of flue gases by the use of a concentric adapter. Separated combustion is to be used in negative building pressures and/or dirty or corrosive atmospheres.

The (insulated) (uninsulated) blower cabinet is to be arranged for (recirculated) (makeup) (combination recirculated and makeup) air. The cabinet shall be supplied with (horizontal supply opening) (horizontal supply air inlet opening with duct flanges) (horizontal makeup air inlet with dampers and two-position damper motor) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, two-position damper motor and potentiometer[s]) (horizontal makeup air inlet with damper, bottom return air inlet with dampers and manual locking quadrant) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers and modulating damper motor) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, modulating damper motor, potentiometer and mixed air controls) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, two-position damper motor and warm-up controls) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, modulating damper motor, potentiometer, mixed air controls, [outside air changeover], and warm-up controls) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, modulating damper motor, mixed air controls, and warm-up controls) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers and two-position damper motor) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, modulating damper motor, and remote potentiometer) (horizontal and bottom supply air inlet openings with duct flanges).

The unit is to include a centrifugal blower, open drip-proof (totally enclosed) blower, and an adjustable belt drive, factory installed.

All units shall be equipped for use with (natural) (propane) gas, (115/1) (208/1) (230/1) (208/3) (230/3) (460/3) (575/3) supply voltage, 24-volt control transformer, (horizontal) (vertical) concentric vent terminal assembly, (motor contactor) (motor starter) and an (intermittent spark pilot) (intermittent spark pilot with timed lockout). Unit shall have a(n) (one-stage gas control) (two-stage gas control) (electronic modulation - 50%-100% turndown - gas control) (two-stage gas control from ductstat) (electronic two-stage gas control using ductstat with remote temperature adjustment [and temperature display]) (mechanical modulation) (electronic modulation - 50%-100% turndown - with ductstat and remote temperature selector) (electronic modulation with DDC controls) (electronic modulation gas control with four to one turndown ratio and remote temperature selector). Includes terminal block wiring.

The gas furnace shall contain a heat exchanger of (aluminized) (E-3 [409] stainless) (321 stainless) steel, die-formed burners of (aluminized) (E-3 [409] stainless) steel, (aluminized) (E-3 [409] stainless) steel drip pans and an automatic power venter with a differential combustion air pressure switch. The furnace shall be equipped with all required safety.

The following accessories will be provided: (convenience outlet), (firestat[s]), (freezestat), (filter rack with 1" or 2" disposable/disposable pleated/permanent filters), (summer/winter control), (remote console with required lights and switches), (manifold to comply with Illinois School Code) (louver frame with horizontal [and vertical] discharge louvers).

The duct furnace and the packaged heating and makeup air system shall be design-certified to ANSI and CGA Standards.

See drawings and schedules for quantities, sizes and capacities.

Product shall be manufactured in an ISO9001 registered facility. Manufacturer must have minimum of 8 years of experience with this type of heating equipment.

MODEL XE - INDOOR HEATING AND MAKEUP AIR UNITS (GRAVITY VENTED)

Provide packaged, indoor heating and makeup air units as Reznor® brand equipment. The units shall be the XE Series designed for 80% thermal efficiency, with gravity-vented gas furnaces, arranged for ceiling suspension with threaded suspension couplings.

The (insulated) (uninsulated) blower cabinet is to be arranged for (recirculated) (makeup) (combination recirculated and makeup) air. The cabinet shall be supplied with (horizontal supply air opening) (horizontal supply air inlet opening with duct flanges) (horizontal makeup air inlet with dampers and two-position damper motor) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, two-position damper motor and potentiometer[s]) (horizontal makeup air inlet with damper, bottom return air inlet with dampers and manual locking quadrant) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers and modulating damper motor) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, modulating damper motor, potentiometer and mixed air controls) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, two-position damper motor and warm-up controls) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, modulating damper motor, potentiometer, mixed air controls, [outside air changeover], and warm-up controls) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, modulating damper motor, mixed air controls, and warm-up controls) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, modulating damper motor, and remote potentiometer) (horizontal and bottom supply air inlet opening with duct flanges).

The units are to include a centrifugal blower, open drip-proof (TEFC) motor, and an adjustable belt drive, factory installed.

All units shall be equipped for use with (natural) (propane) gas, (115/1) (208/1) (230/1) (208/3) (230/3) (460/3) (575/3) supply voltage, 24-volt control transformer, (motor contactor) (motor starter) manual pilot and an (intermittent spark pilot) (intermittent spark pilot with timed lockout). Unit shall have a(n) (one-stage gas control) (two-stage gas control) (electronic modulation - 50%-100% turndown - gas control) (two-stage gas control from ductstat) (electronic two-stage gas control using ductstat with remote temperature adjustment [and temperature display]) (mechanical modulation) (electronic modulation - 50%-100% turndown - with ductstat and remote temperature selector) (electronic modulation with DDC controls). Includes terminal block wiring.

The gas furnace shall contain a heat exchanger of (aluminized) (E-3 [409] stainless) (321 stainless) steel, die-formed burners of (aluminized) (E-3 [409] stainless) steel and an (aluminized) (409 stainless) steel drip pan. The furnace shall be equipped with all required safety and limit controls including a blocked vent shutoff system and an energy cutoff (ECO) device.

The following accessories will be provided: (convenience outlet), (firestat[s]), (freezestat), (filter rack with 1" or 2" disposable/disposable pleated/permanent filters), (summer/winter control), (remote console with required lights and switches), (manifold to comply with Illinois School Code) (louver frame with horizontal [and vertical] discharge louvers).

The duct furnace and the packaged heating and makeup air system shall be design-certified to ANSI and CGA Standards.

See drawings and schedules for quantities, sizes, and capacities.

Product shall be manufactured in an ISO9001 registered facility. Manufacturer must have minimum of 8 years of experience with this type of heating equipment.



MODEL SSCBL - INDOOR HEATING AND MAKEUP AIR UNITS (SEPARATED COMBUSTION)

Provide packaged heating and makeup air unit as Reznor® brand equipment. These units shall be the SSCBL series with power-vented separated combustion 80% thermal efficient gas furnaces, arranged for suspension or mounting on a (field-assembled curb) (slab) (post and rail).

The (insulated) (uninsulated) blower cabinet is to be arranged for (recirculated) (makeup) (combination recirculated and makeup) air. The cabinet shall be supplied with (horizontal supply opening) (bottom supply air opening) (horizontal makeup air inlet with dampers and two-position damper motor) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, two-position damper motor and potentiometer) (horizontal makeup air inlet with damper, bottom return air inlet with dampers and manual locking quadrant) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers and modulating damper motor) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, modulating damper motor, potentiometer and mixed air controls) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, two-position damper motor and warm-up controls) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, modulating damper motor, potentiometer, mixed air controls, [outside air changeover], and warm-up controls) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, modulating damper motor, mixed air controls, and warm-up controls) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers and two-position damper motor) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, modulating damper motor and remote potentiometer) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, modulating damper motor and a pressure null switch).

The units are to include a centrifugal blower, (open drip-proof) (totally enclosed) (energy efficient) (two-speed) blower motor, and an adjustable belt drive, filter rack with (1" or 2" disposable) (1" or 2" permanent) (1" or 2" pleated) filters, factory installed. Include all required controls.

All units shall be equipped for use with (natural) (propane) gas, (120/1) (208/1) (230/1) (208/3) (230/3) (460/3) (575/3) supply voltage, 24-volt control transformer, automatic power venter, (motor contactor) (motor starter), and a(n) intermittent spark pilot (intermittent spark pilot with timed lockout). Unit shall have a(n) (one-stage gas control [with relays] [with thermostat]) (two-stage gas control [with relays] [with thermostat]) (electronic modulation - 50%-100% turndown - gas control) (two-stage gas control from ductstat per furnace section) (electronic two-stage gas control using ductstat with remote temperature adjustment [and temperature display] per furnace section) (two-stage gas control for dual furnace units [using a ductstat with remote temperature adjustment {and temperature display}]) (three-stage gas control for triple furnace units) (electronic three-stage gas controls for triple furnace units using a ductstat with remote temperature selector [and temperature display]) (mechanical modulation) (electronic modulation - 50%-100% turndown - with ductstat and remote temperature selector) (electronic modulation with DDC controls) (electronic modulation gas control with four to one turndown ratio and remote temperature selector). Manifold arrangement to meet (Illinois School Code) (FM) (IRI).

The gas furnace shall contain a heat exchanger of (aluminized) (E-3 [409] stainless) (321 stainless) steel, die-formed burners of (aluminized) (E-3 [409] stainless) steel, and an (aluminized) (E-3 [409] stainless) steel drip pan. The furnace(s) shall be equipped with all required safety and limit controls.

The following accessories shall be provided: (convenience outlet), (air proving switch), (high ambient burner cutoff), (firestat[s]), (freezestat), (summer/winter control), (remote console with required lights and switches) (high and/or low gas pressure switches), (evaporative cooler), (downturn plenum) (downturn plenum with 2-position dampers), (double wall cabinet construction) (cooling coil cabinet with [DX] [chilled water] coil).

The duct furnace and the packaged heating and makeup air system shall be design-certified to ANSI and CGA Standards.

See drawings and schedules for quantities, sizes and capacities.

Product shall be manufactured in an ISO9001 registered facility. Manufacturer must have minimum of 8 years of experience with this type of heating equipment.

MODEL PGBL - INDOOR HEATING AND MAKEUP AIR UNITS (POWER-VENTED)

Provide packaged, indoor heating and makeup air units as Reznor® brand equipment. The units shall be the PGBL series designed for 80% thermal efficiency, all with packaged power-vented gas furnaces, arranged for ceiling suspension or mounting (field-assembled curb) (slab) (rail).

The (insulated) (uninsulated) blower cabinet is to be arranged for (recirculated) (makeup) (combination recirculated and makeup) air. The cabinet shall be supplied with (horizontal supply opening) (bottom supply air opening) (horizontal makeup air inlet with dampers and two-position damper motor) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, two-position damper motor and potentiometer) (horizontal makeup air inlet with damper, bottom return air inlet with dampers and manual locking quadrant) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers and modulating damper motor) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, modulating damper motor, potentiometer and mixed air controls) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, two-position damper motor and warm-up controls) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, modulating damper motor, potentiometer, mixed air controls, [outside air changeover], and warm-up controls) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, modulating damper motor, mixed air controls, and warm-up controls) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers and two-position damper motor) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, modulating damper motor and remote potentiometer) (horizontal makeup air inlet with dampers, bottom return air inlet with dampers, modulating damper motor and a pressure null switch).

The units are to include a centrifugal blower (open drip-proof) (totally enclosed) (energy efficient) (2-speed) blower motor and an adjustable belt drive, filter rack with (1" or 2" disposable) (1" or 2" permanent) (1" or 2" pleated) filters, factory installed.

All units shall be equipped for use with (natural) (propane) gas, (120/1) (208/1) (230/1) (208/3) (230/3) (460/3) (575/3) supply voltage, 24-volt control transformer (motor contactor) (motor starter), and a(n) intermittent spark pilot (intermittent spark pilot with timed lockout). Unit shall have a(n) (one-stage gas control [with relays] [with thermostat]) (two-stage gas control [with relays] [with thermostat]) (electronic modulation - 50%-100% turndown - gas control) (two-stage gas control from ductstat per furnace section) (electronic two-stage gas control using ductstat with remote temperature adjustment [and temperature display] per furnace section) (two-stage gas control for dual furnace units [using a ductstat with remote temperature adjustment {and temperature display}]) (three-stage gas control for triple furnace units) (electronic three-stage gas controls for triple furnace units using a ductstat with remote temperature selector [and temperature display]) (mechanical modulation) (electronic modulation - 50%-100% turndown - with ductstat and remote temperature selector) (electronic modulation - 50%-100% turndown - with DDC controls). Manifold arrangement to meet (Illinois School Code) (FM) (IRI).

The gas furnace(s) shall contain a heat exchanger of (aluminized) (E-3 [409] stainless) (321 stainless) steel, die-formed burners of (aluminized) (E-3 [409] stainless) steel, and an (aluminized) (E-3 [409] stainless) steel drip pan. The furnace(s) shall be equipped with all required safety and limit controls.

The following accessories shall be provided: (convenience outlet), (firestat[s]), (freezestat), (summer/winter control), (remote console with required lights and switches), (high and low gas pressure switches), (high ambient burner cutoff), (evaporative cooling module), (downturn plenum cabinet with or without dampers) (cooling coil cabinet with [DX] [chilled water] coil).

The duct furnace and the packaged heating and makeup air system shall be design-certified to ANSI and CGA Standards.

See drawings and schedules for quantities, sizes and capacities.

Product shall be manufactured in an ISO9001 registered facility. Manufacturer must have minimum of 8 years of experience with this type of heating equipment.