

**RPDBL - ROOF MOUNTED HEATING AND MAKEUP AIR UNITS (POWER-VENTED)**

Provide packaged, roof-mounted heating and make up air units as Reznor® brand equipment. These units shall be the RPDBL series designed for 80% thermal efficiency with power-vented gas furnaces, arranged for roof or slab mounting on a (field-assembled curb) (rails). The units are to be arranged for field duct connection with horizontal (downturn plenum) supply connection at discharge and horizontal (and/or bottom) inlet connection.

The units are to include centrifugal blowers, (open drip-proof) (totally enclosed) (energy efficient) (two-speed) blower motor, and adjustable belt drives, filter racks with (1" or 2") (disposable) (permanent) (pleated) filters, factory installed. Include all required controls, dampers, and inlets to provide an air control cycle of (100% return air inlets [with two-position motorized dampers] [with three-position motorized dampers and potentiometers]) / (100% return air inlets, 30% outside air inlet with air hood [with manual damper] / [with motorized damper]) (100% outside air inlets and 100% return air inlets with dampers and [manual quadrant] [modulating damper motors and mixed air controllers]) / (100% outside air inlets and 100% return air inlets with dampers, modulating damper motors, mixed air controllers and potentiometers) (100% outside air inlets and 100% return air inlets with dampers, potentiometers, mixed air controllers and warm-up controls - ASHRAE Cycle II) (100% outside air inlets and 100% return air inlets with dampers, mixed air controllers and warm-up controls - ASHRAE Cycle II) (100% outside air inlets and 100% return air inlets with two-position damper motors) (100% outside air inlets and 100% return air inlets with dampers, modulating damper motors, and potentiometers) (100% outside air inlets and 100% return air inlets with dampers, modulating damper motors, and pressure null switches) (100% outside air inlets and 100% return air inlets without factory supplied dampers) with full cabinet insulation.

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 transformers, automatic power venters, (motor contactors) (motor starters), (intermittent spark pilots [with timed lockout]), and a (one-stage) (two-stage [from ductstat]) (electronic two-stage using ductstat [with remote temperature adjustment] [with remote temperature adjustment and temperature display]) (four-stage) (electronic four-stage using ductstat with remote temperature adjustment [and temperature display]) (mechanical modulation [with full fire bypass]) (electronic modulation with 2:1 turndown ratio [with ductstat] [with remot selector] [with DDC control]) gas control systems. 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 following accessories shall be provided: (convenience outlet), (air proving switch), (high ambient burner cutoff), (firestat[s]), (freezestats), summer/winter control), (remote console with required lights and switches), (high and/or low gas pressure switches), (outside air screened hood with moisture-eliminating louvers), (downturn plenum), (double wall cabinet construction), (2-position discharge damper).

All gas-fired packaged heating equipment must bear the C.S.A. label. The manufacturer must have a minimum of eight (8) years experience with gas-fired packaged heating equipment. Product shall be manufactured at an ISO9001 registered facility.

See drawings and schedules for quantities, sizes and capacities.

Unit shall be warranted for 12 months from date of installation or 18 months from date of shipment, whichever occurs first.

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

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

The (insulated) (uninsulated) blower cabinets are to be arranged for (recirculated) (makeup) (combination recirculated and makeup) air. The cabinets shall be supplied with (horizontal supply openings) (bottom supply air openings) (horizontal makeup air inlet with dampers and two-position damper motors) (horizontal makeup air inlet with dampers, bottom return air inlets with dampers, two-position damper motors and potentiometers) (horizontal makeup air inlets with dampers, bottom return air inlets with dampers and manual locking quadrants) (horizontal makeup air inlets with dampers, bottom return air inlets with dampers and modulating damper motors) (horizontal makeup air inlets with dampers, bottom return air inlets with dampers, modulating damper motors, potentiometers and mixed air controls) (horizontal makeup air inlets with dampers, bottom return air inlets with dampers, two-position damper motors and warm-up controls) (horizontal makeup air inlets with dampers, bottom return air inlets with dampers, modulating damper motors, potentiometers, mixed air controls, [outside air changeover], and warm-up controls) (horizontal makeup air inlets with dampers, bottom return air inlets with dampers, modulating damper motors, mixed air controls, and warm-up controls) (horizontal makeup air inlets with dampers, bottom return air inlets with dampers and two-position damper motors) (horizontal makeup air inlets with dampers, bottom return air inlets with dampers, modulating damper motors and remote potentiometers) (horizontal makeup air inlets with dampers, bottom return air inlets with dampers, modulating damper motors and pressure null switches).

The units are to include centrifugal blowers, (open dripproof) (totally enclosed) (energy efficient) (two-speed) blower motor, and adjustable belt drives, filter racks 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 thermostat]) (two-stage gas control [with thermostat]) (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}]) (four-stage gas control for four furnace units) (electronic four-stage gas controls for four 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). 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), (downturn plenum) (downturn plenum with 2-position dampers), (double wall cabinet construction).

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.

## REZNOR® PRODUCT LIMITED WARRANTY

Thomas & Betts Corporation warrants to the original owner-user that this Reznor product will be free from defects in material or workmanship. This warranty is limited to twelve (12) months from the date of original installation, whether or not actual use begins on that date, or eighteen (18) months from date of shipment by Thomas & Betts Corporation, whichever occurs first.

### LIMITATIONS AND EXCLUSIONS

Thomas & Betts Corporation's obligation under this warranty is limited to replacement or repair at its manufacturing facility of any part or parts of a Reznor product. The part to be replaced or repaired shall be returned to an authorized Reznor Distributor along with model number and serial number of equipment from which the part was taken. Manufacturer along with the authorized distributor shall determine, to their mutual satisfaction, the part to be defective. Repaired or replacement parts will be shipped by the Thomas & Betts Corporation facility, F.O.B. shipping point.

1. This warranty does not cover labor or other costs incurred in repairing, removing, installing, servicing, or handling of parts or complete products.
2. This warranty will not apply if the unit has been operated outside the designed output (heating, cooling or airflow), or if the product in the judgment of the manufacturer has been subjected to misuse, negligence, accident, corrosive atmospheres, atmospheres containing any contaminant (silicone, aluminum oxide, etc.), excessive thermal shock, physical damage, impact, abrasion, unauthorized alterations, or operation contrary to the manufacturer's printed instructions, or if the serial number has been altered, defaced or removed.
3. Thomas & Betts Corporation shall not be liable for any default or delay in performance of its warranty obligations hereunder caused by any circumstances beyond its control, including but not limited to judicial or government restrictions or restraints, strikes, fires, floods, or reduced supplies of raw materials, energy, or parts.
4. To the maximum extent provided by law, Thomas & Betts Corporation will not be liable for any loss, damage, cost of repair, or incidental or consequential damages of any kind in connection with the sale, use, or repair of any Reznor products. **THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS AND IMPLIED, AND THOMAS & BETTS CORPORATION DISCLAIMS ALL OTHER EXPRESS WARRANTIES AND ALL IMPLIED WARRANTIES INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE.** No person is authorized to assume for Thomas & Betts Corporation any other warranty, obligation, or liability for any Reznor products.