

# SAMPLE SPECIFICATIONS

## Model EEDU - ENERGY EFFICIENT, POWER-VENTED INDOOR DUCT FURNACES

Provide 80% thermal-efficient, indoor, gas-fired duct heaters as manufactured as Reznor® heating equipment. They shall be designed for a fuel use improvement of 25% through the use of a factory-installed power-venter, sealed vent product collection chamber, and an intermittent spark-ignited pilot as standard equipment.

Each EEDU 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 the Reznor Thermocore® design of (aluminized) (E-3 [409] stainless) steel. Die-formed burners shall be of (aluminized) (E-3 [409] stainless) steel and include flared ports (burner air shutters) and a stainless steel insert.

These units are to include a 24-volt control transformer, a (single-stage) (two-stage) (two-stage with unit-mounted ductstat) (two-stage with ductstat with remote temperature selector) (electronic modulation with ductstat) (electronic modulation with ductstat and remote set-point adjustment) gas control system with a regulated combination redundant gas valve, and an intermittent spark pilot with electronic flame supervision (and timed lockout). The unit is to include all limit and safety controls, including a combustion air pressure switch to verify proper vent flow before allowing operation of the gas valve.

All gas-fired duct furnaces shall bear a C.S.A. label. The manufacturer must have a minimum of ten (10) years experience with gas-fired duct furnaces utilizing sealed flue product collection chambers.

## Model SC - SEPARATED COMBUSTION, INDOOR DUCT FURNACES

Provide 80% thermal-efficient, separated combustion, gas-fired duct furnaces as manufactured as Reznor® heating equipment. They are to be designed for a 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 in parallel to a factory-supplied (horizontal) (vertical) vent terminal assembly. The vent terminal/combustion air inlet assembly shall be arranged to allow a single wall or roof penetration.

Each SC Series unit shall be equipped for use with (natural) (propane) gas and (120/1) (208/1) (480/1) volt power supply. The heat exchanger shall be the Reznor Thermocore® design of (aluminized) (E-3 [409] stainless) steel and include flared ports (burner air shutters) and a stainless steel insert.

The SC Series shall be provided with 24-volt control transformer, a(n) (single-stage) (two-stage with unit-mounted ductstat) (two-stage with ductstat with remote temperature selector) (electronic modulation - 50%-100% firing rate with ductstat) (electronic modulation - 50%-100% firing rate with ductstat and remote set-point adjustment) (electronic modulation - 50%-100% firing rate, with conditioner for connection to field-supplied computer) (electronic modulation - 20/28%-100% firing rate) (electronic modulation - 20/28%-100% firing rate with conditioner for connection to field-supplied computer) gas control system with a regulated combination redundant gas valve and an intermittent spark pilot with electronic flame supervision (and timed lockout). The SC is to include all limit and safety controls, including a combustion air pressure differential switch to verify proper vent flow before allowing operation of the gas valve.

All gas-fired unit heaters must bear a C.S.A. label. The manufacturer must have a minimum of eight (8) years experience with gas-fired duct furnaces utilizing separated combustion techniques.

## Model X - INDOOR, GRAVITY-VENTED DUCT FURNACES

Provide 80% thermal-efficient, gas-fired, indoor, gravity-vented duct furnaces as Reznor® heating equipment. Model X Series shall be equipped for use with (natural) (propane) gas and (120/1) (208/1) (460/1) voltage/phase power supply. The heat exchanger shall be the Reznor Thermocore® design of (aluminized) (E-3 [409] stainless) steel with (aluminized) (E-3 [409] stainless) steel drip pan. Die-formed burners shall be constructed of (aluminized) (E-3 [409] stainless) steel and include flared ports (burner air shutters) and a stainless steel insert.

## Model X - INDOOR, GRAVITY-VENTED DUCT FURNACES (cont'd)

The unit is to include a 24-volt control transformer, a(n) (single-stage) (two-stage) (two-stage with unit-mounted ductstat) (two-stage with ductstat with remote temperature selector) (electronic modulation) (electronic modulation with ductstat) (electronic modulation with ductstat and remote set-point) (mechanical modulation with ductstat) gas control system with a regulated combustion redundant gas valve and a (manual match-lit pilot) (intermittent spark pilot with electronic flame supervision) (intermittent spark pilot with electronic flame supervision and timed lockout). The unit is to include all required limit and safety controls, including an energy cutoff (ECO) device on units with manual pilots and blocked vent shut-off system.

All units must bear a C.S.A. label. The manufacturer of this equipment must have eight (8) years experience with gas-fired duct furnaces.

## Model CRG/RG - OUTDOOR, GRAVITY-VENTED DUCT FURNACES

Provide gas-fired, outdoor, gravity-vented duct furnaces as manufactured as Reznor® heating equipment. The CRG Series is designed for 80% thermal efficiency. The RG Series is designed for 78% efficiency. Either series unit shall be equipped for use with (natural) (propane) gas and (120/1) (208/1) (230/1) (460/1) voltage/phase power supply. The heat exchanger shall be the Reznor Thermocore® design of (aluminized) (E-3 [409] stainless) steel with (aluminized) (E-3 [409] stainless) steel drip pan. Die-formed burners shall be constructed of (aluminized) (E-3 [409] stainless) steel and include flared ports (burner air shutters) and a stainless steel insert. The units must be equipped for outdoor applications with a weatherproof cabinet and are to be provided with a vent terminal cap for field installation.

The unit is to include a 24-volt control transformer, a(n) (single-stage) (two-stage) (two-stage with unit-mounted ductstat) (two-stage with ductstat with remote temperature selector) (electronic modulation) (electronic modulation with ductstat) (mechanical modulation with full fire bypass) (electronic modulation with ductstat and remote set-point) (mechanical modulation with ductstat) gas control system with a regulated combination redundant gas valve and an intermittent spark pilot with electronic flame supervision (and timed lockout). The unit is to include all required limit and safety controls.

All units must bear a C.S.A. label. The manufacturer of this equipment must have eight (8) years experience with gas-fired duct furnaces.

## Model RP - OUTDOOR, POWER-VENTED DUCT FURNACES

Provide 80% thermal-efficient, gas-fired, outdoor, power-vented duct furnaces as manufactured as Reznor® heating equipment. Model RP Series unit shall be equipped for use with (natural) (propane) gas and (120/1) (208/1) (230/1) (460/1) voltage/phase power supply. The heat exchanger shall be the Reznor Thermocore® design of (aluminized) (E-3 [409] stainless) steel with (aluminized) (E-3 [409] stainless) steel drip pan. Die-formed burners shall be constructed of (aluminized) (E-3 [409] stainless) steel and include flared ports (burner air shutters) and a stainless steel insert. The units must be equipped for outdoor application with a weatherproof cabinet and are to be provided with a factory-installed power venter with side-mounted flue discharge.

The unit is to include a 24-volt control transformer, a(n) (single-stage) (two-stage) (two-stage with unit-mounted ductstat) (two-stage with ductstat with remote temperature selector) (mechanical modulation with or without by-pass valve) (electronic modulation) (electronic modulation - 50%-100% firing rate with ductstat) (electronic modulation - 50%-100% firing rate with ductstat and remote set-point adjustment) (electronic modulation - 50%-100% firing rate, with conditioner for connection to field-supplied computer) (electronic modulation - 20/28%-100% firing rate) (electronic modulation - 20/28%-100% firing rate with conditioner for connection to field-supplied computer) gas control system with a regulated combustion redundant gas valve and an intermittent spark pilot with electronic flame supervision (and timed lockout). The unit is to include all required limit and safety controls.

All units must bear a C.S.A. label. The manufacturer of this equipment must have eight (8) years experience with gas-fired duct furnaces.