



Heating and Air Conditioning

## TECHNICAL GUIDE

R-410A

AFFINITY™ SERIES

DNZ/DNQ/DNX MODELS

2 - 5 TON

60 Hertz

### Description

These York® Affinity™ packaged cooling/heating air conditioners are designed for outdoor installation. Only utility and duct connections are required at the point of installation.

The single or two stage gas-fired heaters have aluminized steel tubular heat exchangers and spark to pilot ignition. They are available in natural gas with field conversion to propane.



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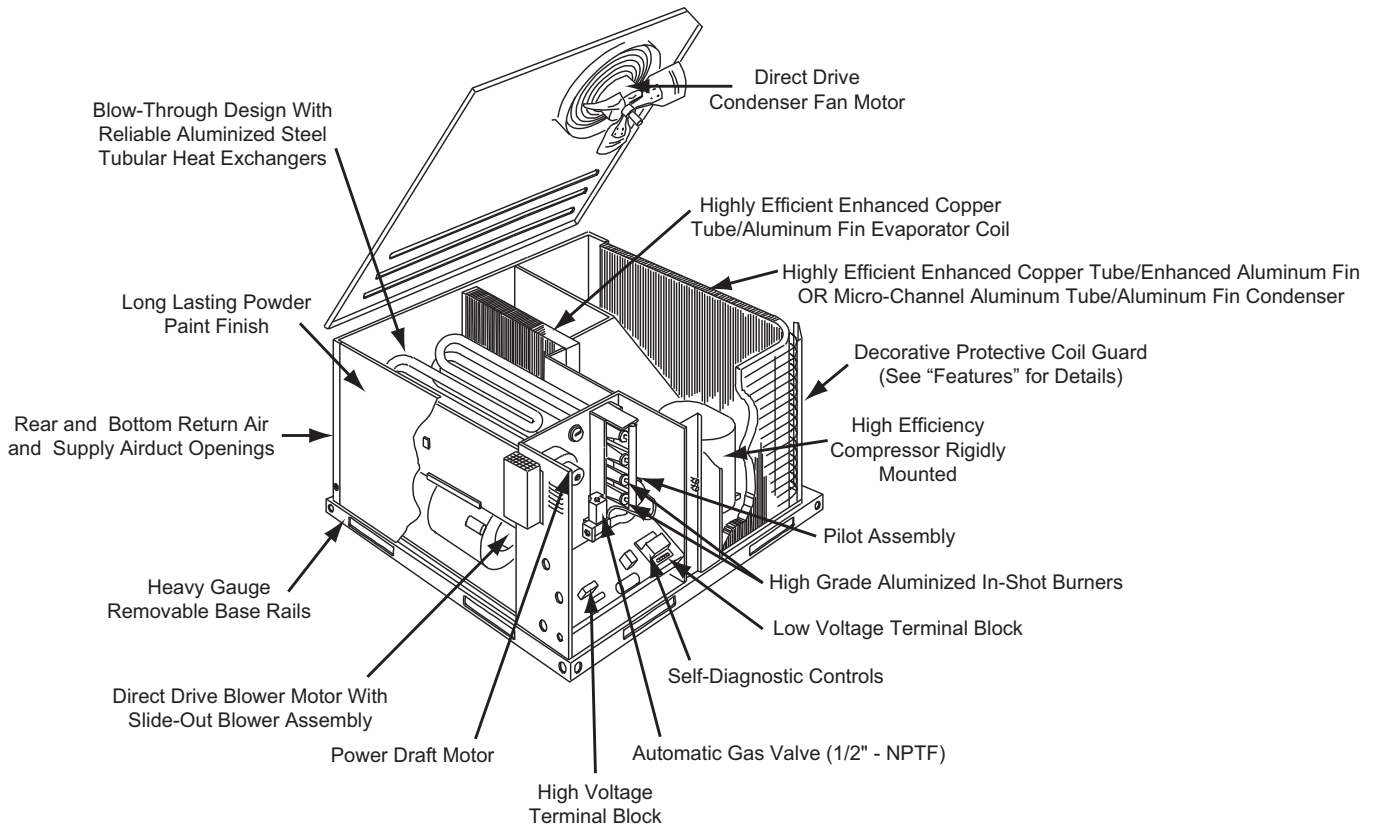


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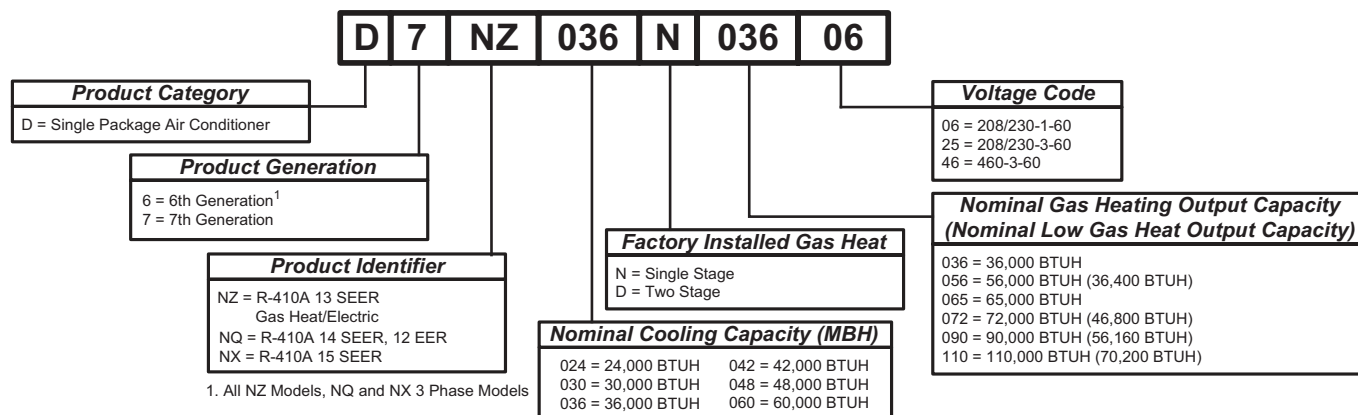
## Component Location

### Cooling/Gas Unit



## Nomenclature

### Cooling/Gas Unit



## Features and Benefits

### Standard Features

- **Operating Efficiency** - DNZ model gas units provide a minimum AFUE of 80 and SEERS of 13.0. DNQ Model gas units provide a minimum AFUE of 81 and 14 SEER / 12 EERs. DNX model gas units provide a minimum AFUE of 81 and SEERS of 15.0 to 16.5. All efficiencies exceed legislated minimum levels.
- **On Site Flexibility** - All model sizes share a common, compact design cabinet in a single footprint. The installer has the flexibility of setting one curb and placing the proper tonnage unit on that curb after the internal load has been determined. Field convertible duct connections from side shot to down shot allows the installer to have greater flexibility with less inventory.
- **Lower Installation Cost** - Installation time and costs are reduced by easy power and control wiring connections. The small base dimension means less space is required on the ground or roof, plus, the installer can fit this unit between the wheel wells of full size pick-up truck. All units are completely wired, charged with R-410A and tested prior to shipment. Unique test stations using a new state of the art computerized process system are used to insure product quality. Refrigerant charge and component part numbers are verified via computers at assembly. Vital run test statistics such as system pressure, motor currents, air velocity and temperature, unit vibration, and gas system safeties are monitored and recorded by the system to insure unit performance. Equal size, side supply and return duct connections allows easy hook-up of ducts to match low crawl spaces without transition pieces.
- **Utility Connections Made Easy** - Gas and electric utility knockouts are provided through the bottom as well as the side of the unit. Utility connections can be made quickly and

with a minimum amount of field labor. A field supplied and field installed electrical disconnect switch must be installed.

- **Convertible Airflow Design** - The bottom duct openings are covered when they leave the factory ready to be used for a side supply/side return application. If a bottom supply/bottom return application is desired, you simply remove the two panels from the bottom of the unit and place them in the side supply/side return duct openings. No panel cutting is required and no accessory panel is necessary. Convertible airflow design allows maximum field flexibility and minimum inventory.
- **Condensate Pan** - A non-corrosive, long-lasting, water-tight pan is positioned below the evaporator coil to collect and drain all condensate. Less collection of stagnate condensate will build-up. The condensate pan conforms to ASHRAE 62-89 standards (Ventilation for Acceptable Indoor Air Quality).
- **Condensate Drain** - The 3/4 inch NPTF connection is rigidly mounted to assure proper fit and leak tight seal.
- **Durable Finish** - The cabinet is made of pre-painted steel. The pre-treated galvanized steel provides a better paint to steel bond, which resists corrosion and rust creep. Special primer formulas and matted-textured finish insure less fading when exposed to sunlight.
- **Full Perimeter Base Rails** - The easily removable base rails provide a solid foundation for the entire unit and protects the unit during shipment. The rails provide fork lift access from all sides, and rigging holes are also provided so that an overhead crane can be used to place the units on a roof. On applications where the unit is placed on a pad, the base will keep the unit off the pad to deter corrosion. On applications where height is limited, the inch high base rails may be removed on location.
- **More Attractive Appearance** - A single piece Water Shed top cover containing a top discharge condenser fan arrangement requires less square footage on installation and provides a wider variety of installations. The one piece design adds greater water integrity. Rounded

corners with water drip edges add to the attractive appearance. The cabinet panels have a non-fibrous insulation that will not release insulation fibers into conditioned area.

- **Top Discharge** - The top discharge condenser fan does not disrupt neighboring areas or dry-out vegetation surrounding the unit. The warm air from the top mounted fan is blown up away from the structure and any landscaping. This allows compact location on multi-unit applications.
- **Condenser Coil Grille** - All DNZ024 thru 060 and DNQ060 models utilize a decorative "Wire Form" coil guard to provide impact protection against large objects. DNQ024 thru 04, and DNX024 thru 048 models utilize a stamped "Louvered" design which provides superior impact protection against smaller objects during transit and after installation.
- **Low Operating Sound Level** - The upward air flow carries the normal operating noise up and away from the living area. The rigid top panel effectively isolates any motor sound. Isolator mounted compressor and the rippled fins of the condenser coil muffle the normal fan motor and compressor operating sounds. The unique formed base pan also aids in sound alterations with it's Super-Structure design. This design strategically places embossments in the pan for optimum strength and rigidity.
- **Fan System** - All models operate over a wide range of design conditions with an electrically commutated fan motor. These units easily match all types of applications and provide greater on site flexibility to match comfort requirement. The cooling speed is factory set and can be field adjusted to a second speed. The heating speed is factory set to maintain mid point rise at the units heating input, but can be field adjusted. This allows maximum comfort conditions.
- **Simple Control Circuit** - A low voltage printed circuit board contains a diagnostic indicator light and a low voltage terminal strip. An additional set of pin connectors is also provided to simplify the field interface of external controls. Mate-n-lock plug connectors are used. The electrical control box is not located in the compressor compartment. The controls are mounted on a Control-Tilt control panel to allow the access cover to be removed for trouble shooting and maintenance without affecting the normal system operating pressures. All wiring internal to the unit is color/number coded.
- **Protected Compressor** - The compressor is internally protected against high pressure and temperature. This is accomplished by the simultaneous operation of high pressure relief valve and a temperature sensor which protect the compressor if undesirable operating conditions occur.
- **Pressure Switches** - High pressure and low pressure/loss of charge switches standard in all units. When abnormal conditions are sensed through the pressure switches, the unit will lock out preventing any further operation until reset or problem is corrected.
- **Exclusive Coil Design** - Grooved copper tubes and enhanced aluminum fin construction improves heat

transfer for maximum efficiency and durability or Micro-Channel aluminum tube, aluminum fin for long lasting durability and efficient operation.

- **Heat Exchangers** - Are corrosion-resistant, aluminized-steel tubular construction to provide long-life, trouble-free operation. The unique blow-through design also assures that condensate does not collect in humid areas when in the cooling cycle. This adds to longer heat exchanger life and higher long term efficiencies.
- **Post Purge Induced Draft Combustion** - Exhausts combustion products from the heat exchanger upon completion of the heating cycle to prolong the heat exchanger life.
- **Self Diagnostic Fan Control Module** - Due to this self diagnostic control, less on site time is required to trouble shoot these units.
- **Spark To Pilot Ignition** - Provides faster heat delivery. This ignition is highly reliable, durable and eliminates nuisance lockouts.
- **Multi Port In-shot Burners** - No field adjustment is required to mix the air and gas. These burners are constructed of high-grade corrosion-resistant, aluminized-steel.
- **Low Maintenance** - Long life, permanently lubricated condenser and evaporator fan motor bearings need no annual maintenance adding greater reliability to the unit. Blower assembly can be easily cleaned by the unique Slip-Track slide-out blower assembly.
- **Secured Service Access Ports** - Protected, externally mounted, re-usable service access ports are provided on both the high and low lines for ease of evacuating and charging the system. No final field mounting required.
- **Easy Service Access** - A large, single panel covers the electrical and gas controls makes servicing easy. The blower compartment has an additional large panel with a built-in handle tab. Removing this panel will allow the blower assembly to slide-out for easy removal for maintenance and ease of trouble shooting.
- **Replacement Parts** - The installer requires no special training to replace any of the components of these units and does not need to maintain an inventory of unique parts.
- **System Integration** - Each unit has the internal ability to integrate an electronic air cleaner or humidifier to work in conjunction with the base unit.

#### Field Installed Accessories

- **Low NOx Kit** - Kit includes all the necessary hardware and instructions to field convert units to reduce emissions to less than 40 nanogram per Joule. California requirement on single phase models only.
- **Propane Conversion Kit** - Kit includes burner orifices, gas valve conversion and installation instructions necessary to field convert unit from natural gas to propane.
- **High Altitude Conversion Kit (Natural Gas/Propane)** - Kit includes all necessary labels and instructions to field alter



units with natural gas/propane for installations above 2000 feet. Burner orifices must be obtained from Source 1 Parts. Propane Conversion Kit must be obtained separately.

- **Economizer Down Discharge/Supply Kit** - Modulating integrated economizer provides simultaneous operation between the mechanical cooling and economizer operation. Independent blade design insures proper control and less than 1% leak rate. Includes hood and mesh bird screen filter integrated into the hood, dry bulb sensor and relief damper. Separate field accessories of single enthalpy and dual enthalpy are also available. A built-in barometric relief of 25% is provided.
- **Single Enthalpy Sensor** - Sensor replaces dry bulb sensor standard in economizer kit. Provides improved economizer operation by sensing the dry bulb temperature from outdoors plus the enthalpy content of the outdoor air.
- **Dual Enthalpy Sensor** - Additional sensor to single enthalpy sensor. Sensor senses both the return air temperature dry bulb and humidity in conjunction with the single enthalpy to determine the most economical mix. Single Enthalpy sensor also required.
- **Hail Guard Kit** - Kit contains protective grilles made of expanded aluminum with full perimeter frame. Sloped hoods are also included to assure maximum protection.
- **Anti Short Cycle Timer (DNZ Units Only)** - Automatically prevents the compressor from restarting for 5 minutes after cycled off. Not required if Thermostat 2ET07700224 and 2ET04700224 are used.
- **Filter/Frame Kit (Single Phase Only)** - Kit contains the necessary hardware to field install return air filters into the base unit. Pre-cut filter racks and appropriate cleanable standard size filters are shipped in one kit. The filter rack is suitable for either 1" or 2" filters. (1" filter is supplied) This kit is available for single phase horizontal or vertical duct application only. Standard in all 3 Phase models.
- **Motorized Fresh Air Damper** - Designed for duct mounted side supply/return and unit mounted down supply/return applications. Damper capable of providing 0% through 50% of outdoor air (field supplied). Closes on power loss, includes hood and screen assembly.
- **Rectangle To Round Adapters** - Kit includes one supply and one return air rectangle to round duct adapter. Adapters are preformed and designed to fit over current duct openings on the base unit. Transition is from side square duct opening to 14" round duct opening.
- **Roof Curbs** - NRCA approved curbs provide proper fit to base unit for rooftop installations. Curbs are designed to be assembled through hinge pins in each corner. Kit also provides seal strip to assure a water tight seal. 8 and 14 inch high roof curbs are available.
- **Manual Outdoor Damper** - Provides 0% through 50% outdoor air capability (field adjustable). Designed for duct mounted side supply/return applications. Includes hood and screen assembly.
- **Wall Thermostat** - The units are designed to operate with 24-volt electronic and electro-mechanical thermostats. All

units can operate with single stage heat/single stage cool thermostats - with or without the economizer.

- **Low Ambient Kit** - Kit provides necessary hardware to convert unit to operate in cooling cycle down to 0° F. Standard unit operation 45° F.
- **Transformer Kit** - Kit provides necessary hardware to provide single phase models from factory furnished 40 VA transformer capability to 75 VA transformer capability. (Required on installations with economizer or motorized damper.)

## Guide Specifications

### General

Units shall be manufactured by Unitary Products in an ISO 9001 certified facility. YORK's Affinity™ package units give you the flexibility and choices you need in today's market. These packaged cooling/heating air conditioners are designed for outdoor installation. Only utility and duct connections are required at the point of installation. The single or two stage gas fired heaters have aluminized steel tubular heat exchangers and spark to pilot ignition. They are available in natural gas with field conversion to propane.

### Description

Units shall be factory-assembled, single packaged, Electric Cooling/Gas Heating units, designed for outdoor mounted installation. For SEER ratings, refer to technical literature. They shall have built in, equal size, field convertible duct connections for down discharge supply/return or horizontal discharge supply/return. The units shall be factory wired, piped, charged with R-410A Refrigerant and factory tested prior to shipment. All unit wiring shall be both numbered and color coded. All units shall be manufactured in a facility certified to ISO 9001 standards, and the cooling performance shall be rated in accordance with DOE and AHRI test procedures. The heating performance shall be rated to DOE and GAMA test procedures. Units shall be CSA listed and classified to ANSI Z21.47/CAN/CSA 2.3 standards and UL 1995/CAN/CSA No. 236-M90 conditions.

### Unit Cabinet

Unit cabinet shall be constructed of G-90, pre-paint textured steel, certified at 500 hours salt spray test per ASTM-B117 standards. The unit top shall be a single piece "Water Shed" design, with drip edges and no-seam corners to provide optimum water integrity. Unit shall have a rigidly mounted condenser coil guard to provide protection from objects and personnel after installation. Indoor blower section shall be insulated with up to 3/4" thick, aluminum, foil faced insulation, fastened to prevent insulation from entering the air stream. Cabinet panels shall be "large" size, easily removable for servicing and maintenance, with built-in lift handles. Unit shall be built on a formed, "Super-Structure" design base pan, with embossments at critical points to add strength, rigidity and aid in minimizing sound. Full perimeter base rails shall be provided to assure reliable transit of equipment, overhead rigging, for

truck access and proper sealing on roof curb applications. Base rails shall be removable, when required, to lower unit height. Filters shall be furnished and be accessible through a removable access door, sealed airtight. Units vertical discharge and return duct configuration shall be designed to fit between standard 24" O.C. beams without modification to building structure, duct work and base unit. Condensate pan shall be internally sloped and conform to ASHRAE 62-89 self-draining standards, with 3/4" NPTF ridged mount connection.

#### **Indoor (Evaporator) Fan Assembly**

Fan shall be direct drive design. Fan wheel shall be double-inlet type with forward-curved blades, dynamically balanced to operate smoothly throughout the entire range of operation. Airflow design shall be constant air volume. Bearings shall be sealed and permanently lubricated for longer life and no maintenance. Fan assembly shall be "Slip Track" (slide-out) design for easy removal and cleaning.

#### **Outdoor (Condenser) Fan Assembly**

The outdoor fan shall be of the direct-driven propeller type, discharge air vertically, have aluminum blades riveted to corrosion resistant steel spider bracket and shall be statically balanced for smooth operation. The outdoor fan motor shall be totally enclosed with permanently lubricated bearings and internally protected against overload conditions.

#### **Refrigerant Components**

##### Compressors:

- a. Shall be fully hermetic type, direct drive, internally protected with internal high-pressure relief and over temperature protection. The hermetic motor shall be suction gas cooled and have a voltage range of +/- 10% of the unit nameplate voltage.
- b. Shall have internal isolation and sound muffling to minimize vibration and noise, and be externally isolated on a dedicated, independent mounting.

##### Coils:

- a. Evaporator coils shall have aluminum plate fins mechanically bonded to seamless internally enhanced copper tubes with all joints brazed.
- b. Evaporator coil shall be of the direct expansion, blow through design.
- c. Condenser coils shall have aluminum plate fins mechanically bonded to seamless internally enhanced copper tubes with all joints brazed or Micro-Channel aluminum tube, aluminum fins.
- d. Condenser coil shall be draw through design.

Refrigerant Circuit and Refrigerant Safety Components shall include:

- a. Independent fixed orifice expansion devices.
- b. Filter/strainer to eliminate any foreign matter.

#### **Gas Heating Section (If Equipped)**

Heat exchanger and exhaust system shall be constructed of aluminized steel and shall be designed with induced draft combustion with post purge logic and redundant main gas valve. The heat exchanger shall be of the tubular type, constructed of T1-40 aluminized steel for corrosion resistance and allowing minimum mixed air entering temperature of 40 °F. Burners shall be of the in-shot type, constructed of aluminum-coated steel. All gas piping shall enter the unit cabinet at a single location through either the side or bottom, without any field modifications. An integrated control board shall provide timed control of evaporator fan functioning and burner ignition. Heating section shall be provided with the following minimum protection:

- a. Primary and auxiliary high-temperature limit switches.
- b. Induced draft pressure sensor.
- c. Flame roll out switch (manual reset).
- d. Flame proving controls.

## Physical Data

### DNZ Single Stage Physical Data

Component	Models														
	DNZ024		DNZ030		DNZ036		DNZ042		DNZ048		DNZ060				
Nominal Tonnage	2.0		2.5		3.0		3.5		4.0		5.0				
<b>AHRI COOLING PERFORMANCE</b>															
Gross Capacity @ AHRI A point (MBH)	24.7		30.8		35.6		43.0		48.8		59.5				
AHRI net capacity (MBH)	24.0		30.0		34.2		41.5		46.0		56.0				
EER	11.6		11.5		11.1		11.6		11.00		11.00				
SEER	13.2		13.2		13.2		13.4		13.0		13.0				
Nominal CFM	850		940		1200		1300		1550		1600				
System power (KW)	2.1		2.7		3.2		3.6		4.2		5.1				
Refrigerant type	R-410A		R-410A		R-410A		R-410A		R410A		R410A				
Refrigerant charge (lb-oz)	3-10		4-0		4-0		4-14		4-8		5-2				
<b>AHRI HEATING PERFORMANCE</b>															
Heating model	N036	N056	N036	N056	N036	N056	N072	N065	N090	N065	N090	N110	N065	N090	N110
Heat input (K Btu)	45	70	45	70	45	70	90	80	108	80	108	135	80	108	135
Heat output (K Btu)	36	56	36	56	36	56	72	64	87	64	87	107	64	87	107
AFUE <sup>1</sup>	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
Steady state efficiency (%)	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
No. burners	2	3	2	3	2	3	4	3	4	3	4	5	3	4	5
No. stages	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Temperature Rise Range (°F)	25-55	30-60	25-55	30-60	25-55	30-60	25-55	30-60	25-55	35-65	45-75	25-55	35-65	45-75	
Gas Limit Setting (°F)	140	160	140	160	140	160	160	150	175	150	175	160	150	175	160
Gas piping connection (in.)	1/2		1/2		1/2		1/2		1/2		1/2		1/2		
<b>DIMENSIONS (inches)</b>															
Length	49 1/8		49 1/8		49 1/8		49 1/8		49 1/8		49 1/8		49 1/8		
Width	47 1/4		47 1/4		47 1/4		47 1/4		47 1/4		47 1/4		47 1/4		
Height	33 1/2		33 1/2		33 1/2		41 1/2		41 1/2		41 1/2		41 1/2		
<b>OPERATING WT. (lbs.)</b>															
Unit Weight (lbs.)	378		398		402		460		465		480				
<b>COMPRESSOR</b>															
Type	Recip 1-spd		Recip 1-spd		Recip 1-spd		Recip 1-spd		Scroll 1-spd		Scroll 1-spd				
<b>CONDENSER COIL DATA</b>															
Face area (Sq. Ft.)	11.9		11.9		11.9		15		15		15				
Rows	1		1		1		1		1		1				
Fins per inch	23		23		23		23		23		23				
Tube diameter (in.)	0.71 / 18		0.71 / 18		0.71 / 18		0.71 / 18		0.71 / 18		0.71 / 18				
Circuitry Type	2-pass Micro-Channel														
<b>EVAPORATOR COIL DATA</b>															
Face area (Sq. Ft.)	3.4		3.4		3.4		4.4		4.4		4.4				
Rows	2		3		3		3		3		4				
Fins per inch	15		13		13		16		16		13				
Tube diameter	3/8		3/8		3/8		3/8		3/8		3/8				
Circuitry Type	Interlaced		Interlaced		Interlaced		Interlaced		Interlaced		Interlaced				
Refrigerant control	Orifice		Orifice		Orifice		Orifice		TXV		TXV				
<b>CONDENSER FAN DATA</b>															
Fan diameter (Inch)	22		22		22		22		22		22				
Type	Prop		Prop		Prop		Prop		Prop		Prop				
Drive type	Direct		Direct		Direct		Direct		Direct		Direct				
No. speeds	1		1		1		1		1		1				
Motor HP	1/4		1/4		1/4		1/3		1/3		1/2				
RPM	1100		1100		1100		1120		1120		1090				
Nominal total CFM	2400		2400		2400		3200		3200		3200				
<b>DIRECT DRIVE EVAP FAN DATA</b>															
Fan Size (Inch)	10 x 8		10 x 8		11 x 10		11 x 10		11 x 10		11 x 10				
Type	Centrifugal		Centrifugal		Centrifugal		Centrifugal		Centrifugal		Centrifugal				
Motor HP	1/2		3/4		3/4		3/4		1		1				
RPM	Variable		Variable		Variable		Variable		Variable		Variable				
Frame size	48		48		48		48		48		48				
<b>FILTERS</b>															
Quantity - Size	1 - 20 x 20 x 1		1 - 20 x 20 x 1		1 - 20 x 20 x 1		2 - 20 x 12 x 1		2 - 20 x 12 x 1		2 - 20 x 12 x 1				

1. 208/230 volt single phase only.

**DNZ Two Stage Physical Data**

Component	Models								
	DNZ024	DNZ030	DNZ036	DNZ042	DNZ048	DNZ060			
Nominal Tonnage	2.0	2.5	3.0	3.5	4.0	5.0			
<b>AHRI COOLING PERFORMANCE</b>									
Gross Capacity @ AHRI A point (MBH)	24.7	30.8	35.6	43.0	48.8	59.5			
AHRI net capacity (MBH)	24.0	30.0	34.2	41.5	46.0	56.0			
EER	11.6	11.5	11.1	11.6	11.00	11.00			
SEER	13.2	13.2	13.2	13.4	13.0	13.0			
Nominal CFM	850	940	1200	1300	1550	1600			
System power (KW)	2.1	2.7	3.2	3.6	4.2	5.1			
Refrigerant type	R-410A	R-410A	R-410A	R-410A	R410A	R410A			
Refrigerant charge (lb-oz)	3-10	4-0	4-0	4-14	4-8	5-2			
<b>AHRI HEATING PERFORMANCE</b>									
Heating model	D056	D056	D056	D072	D090	D090	D110	D090	D110
Heat input (K Btu)	70/45.5	70/45.5	70/45.5	90/58.5	108/70.2	108/70.2	135/87.8	108/70.2	135/87.8
Heat output (K Btu)	56/36.4	56/36.4	56/36.4	72/46.8	87/56.2	87/56.2	108/70.2	87/56.2	108/70.2
AFUE <sup>1</sup>	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
Steady state efficiency (%)	80	80	80	80	80	80	80	80	80
No. burners	3	3	3	4	4	4	5	4	5
No. stages	2	2	2	2	2	2	2	2	2
Temperature Rise Range (°F)	30-60	30-60	25-55	30-60	45-75	35-65	45-75	35-65	45-75
Gas Limit Setting (°F)	160	160	160	160	175	175	170	175	170
Gas piping connection (in.)	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
<b>DIMENSIONS (inches)</b>									
Length	49 1/8	49 1/8	49 1/8	49 1/8	49 1/8	49 1/8	49 1/8	49 1/8	49 1/8
Width	47 1/4	47 1/4	47 1/4	47 1/4	47 1/4	47 1/4	47 1/4	47 1/4	47 1/4
Height	33 1/2	33 1/2	33 1/2	33 1/2	41 1/2	41 1/2	41 1/2	41 1/2	41 1/2
<b>OPERATING WT. (lbs.)</b>									
Unit Weight (lbs.)	378	398	402	460	465	480	465	480	480
<b>COMPRESSOR</b>									
Type	Recip 1-spd	Recip 1-spd	Recip 1-spd	Recip 1-spd	Scroll 1-spd	Scroll 1-spd	Scroll 1-spd	Scroll 1-spd	Scroll 1-spd
<b>CONDENSER COIL DATA</b>									
Face area (Sq. Ft.)	11.9	11.9	11.9	15	15	15	15	15	15
Rows	1	1	1	1	1	1	1	1	1
Fins per inch	23	23	23	23	23	23	23	23	23
Tube diameter (in.)	0.71 / 18	0.71 / 18	0.71 / 18	0.71 / 18	0.71 / 18	0.71 / 18	0.71 / 18	0.71 / 18	0.71 / 18
Circuitry Type	2-pass Micro-Channel								
<b>EVAPORATOR COIL DATA</b>									
Face area (Sq. Ft.)	3.4	3.4	3.4	4.4	4.4	4.4	4.4	4.4	4.4
Rows	2	3	3	3	3	3	3	3	4
Fins per inch	15	13	13	16	16	16	16	16	13
Tube diameter	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Circuitry Type	Interlaced	Interlaced	Interlaced	Interlaced	Interlaced	Interlaced	Interlaced	Interlaced	Interlaced
Refrigerant control	Orifice	Orifice	Orifice	Orifice	Orifice	TXV	TXV	TXV	TXV
<b>CONDENSER FAN DATA</b>									
Fan diameter (Inch)	22	22	22	22	22	22	22	22	22
Type	Prop	Prop	Prop	Prop	Prop	Prop	Prop	Prop	Prop
Drive type	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct
No. speeds	1	1	1	1	1	1	1	1	1
Motor HP	1/4	1/4	1/4	1/3	1/3	1/3	1/3	1/3	1/2
RPM	1100	1100	1100	1100	1100	1100	1100	1100	1090
Nominal total CFM	2400	2400	2400	3200	3200	3200	3200	3200	3200
<b>DIRECT DRIVE EVAP FAN DATA</b>									
Fan Size (Inch)	10 x 8	10 x 8	11 x 10	11 x 10	11 x 10	11 x 10	11 x 10	11 x 10	11 x 10
Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Motor HP	1/2	3/4	3/4	3/4	3/4	1	1	1	1
RPM	Variable	Variable	Variable	Variable	Variable	Variable	Variable	Variable	Variable
Frame size	48	48	48	48	48	48	48	48	48
<b>FILTERS</b>									
Quantity - Size	1 - 20 x 20 x 1	1 - 20 x 20 x 1	1 - 20 x 20 x 1	2 - 20 x 12 x 1	2 - 20 x 12 x 1	2 - 20 x 12 x 1	2 - 20 x 12 x 1	2 - 20 x 12 x 1	2 - 20 x 12 x 1

1. 208/230 volt single phase only.



## DNQ Single Stage Physical Data

Component	Models														
	DNQ024		DNQ030		DNQ036		DNQ042		DNQ048		DNQ060				
Nominal Tonnage	2.0		2.5		3.0		3.5		4.0		5.0				
<b>AHRI COOLING PERFORMANCE</b>															
Gross Capacity @ AHRI A point (MBH)	24.0		29.8		35.7		41.5		49.6		56.8*				
AHRI net capacity (MBH)	23.6		29.0		34.4		40.0		48.0		55.0*				
EER	12.0		12.0		12.0		12.0		12.0		12.0*				
SEER	14.0		14.0		14.0		14.0		14.0		14.0*				
Nominal CFM	800		900		1100		1400		1500		1550				
System power (KW)	2.0		2.4		2.9		3.3		4.0		4.6				
Refrigerant type	R-410A		R-410A		R-410A		R410A		R-410A		R-410A				
Refrigerant charge (lb-oz)	3-8		3-2		3-10		4-9		4-6		5-15				
<b>AHRI HEATING PERFORMANCE</b>															
Heating model	N036	N056	N036	N056	N036	N056	N072	N065	N090	N065	N090	N110	N065	N090	N110
Heat input (K Btu)	45	70	45	70	45	70	90	80	108	80	108	135	80	108	135
Heat output (K Btu)	36	56	36	56	36	56	72	64	87	64	87	107	64	87	107
AFUE <sup>1</sup>	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
Steady state efficiency (%)	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
No. burners	2	3	2	3	2	3	4	3	4	3	4	5	3	4	5
No. stages	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Temperature Rise Range (°F)	25-55	30-60	25-55	30-60	25-55	25-55	30-60	25-55	45-75	25-55	35-65	45-75	25-55	35-65	45-75
Max. Outlet Air Temp. (°F)	165	175	165	175	165	175	175	175	175	175	175	175	175	175	175
Gas Limit Setting (°F)	140	160	140	160	140	160	160	140	160	150	175	160	150	175	160
Gas piping connection (in.)	1/2		1/2		1/2		1/2		1/2		1/2		1/2		
<b>DIMENSIONS (inches)</b>															
Length	49 1/8		49 1/8		49 1/8		49 1/8		49 1/8		49 1/8		49 1/8		
Width	47 1/4		47 1/4		47 1/4		47 1/4		47 1/4		47 1/4		47 1/4		
Height	33 1/2		33 1/2		33 1/2		41 1/2		41 1/2		41 1/2		41 1/2		
<b>OPERATING WT. (lbs.)</b>															
Unit Weight (lbs.)	390		425		430		485		490		530		530		
<b>COMPRESSOR</b>															
Type	Recip 1-spd		Scroll 1-spd		Scroll 1-spd		Scroll 1-spd		Scroll 1-spd		Scroll 1-spd		Scroll 1-spd		
<b>CONDENSER COIL DATA</b>															
Face area (Sq. Ft.)	7.9		11.9		11.9		15		15		15		15		
Rows	1		1		1		1		1		1		1		
Fins per inch	23		23		23		23		23		23		23		
Tube diameter (in.)	0.71 / 18		0.71 / 18		0.71 / 18		0.71 / 18		0.71 / 18		0.71 / 18		0.98 / 25		
Circuitry Type	2-pass Micro-Channel														
<b>EVAPORATOR COIL DATA</b>															
Face area (Sq. Ft.)	3.4		3.4		3.4		4.4		4.4		4.4		4.4		
Rows	2		3		3		3		3		3		4		
Fins per inch	15		13		13		16		16		16		13		
Tube diameter	3/8		3/8		3/8		3/8		3/8		3/8		3/8		
Circuitry Type	Interlaced		Interlaced		Interlaced		Interlaced		Interlaced		Interlaced		Interlaced		
Refrigerant control	TXV		TXV		TXV		TXV		TXV		TXV		TXV		
<b>CONDENSER FAN DATA</b>															
Fan diameter (Inch)	22		22		22		22		22		22		22		
Type	Prop		Prop		Prop		Prop		Prop		Prop		Prop		
Drive type	Direct		Direct		Direct		Direct		Direct		Direct		Direct		
No. speeds	1		1		1		1		1		1		1		
Motor HP	1/4		1/4		1/4		1/3		1/3		1/3		1/3		
RPM	1100		1100		1100		1100		1100		1100		1100		
Nominal total CFM	2400		2400		2400		3200		3200		3200		3200		
<b>DIRECT DRIVE EVAP FAN DATA</b>															
Fan Size (Inch)	10 x 8		10 x 8		11 x 10		12 x 11		12 x 11		12 x 11		12 x 11		
Type	Centrifugal		Centrifugal		Centrifugal		Centrifugal		Centrifugal		Centrifugal		Centrifugal		
Motor HP	1/2		3/4		3/4		3/4		3/4		1		1		
RPM	Variable		Variable		Variable		Variable		Variable		Variable		Variable		
Frame size	48		48		48		48		48		48		48		
<b>FILTERS</b>															
Quantity - Size	1 - 20 x 20 x 1		1 - 20 x 20 x 1		1 - 20 x 20 x 1		2 - 20 x 12 x 1		2 - 20 x 12 x 1		2 - 20 x 12 x 1		2 - 20 x 12 x 1		

1. 208/230 volt single phase only.

## DNQ Two Stage Physical Data

Component	Models								
	DNQ024	DNQ030	DNQ036	DNQ042	DNQ048	DNQ060			
Nominal Tonnage	2.0	2.5	3.0	3.5	4.0	5.0			
<b>AHRI COOLING PERFORMANCE</b>									
Gross Capacity @ AHRI A point (MBH)	24.0	29.8	35.7	41.5	49.6	56.8*			
AHRI net capacity (MBH)	23.6	29.0	34.4	40.0	48.0	55.0*			
EER	12.0	12.0	12.0	12.0	12.0	12.0*			
SEER	14.0	14.0	14.0	14.0	14.0	14.0*			
Nominal CFM	800	900	1100	1400	1500	1550			
System power (KW)	2.0	2.4	2.9	3.3	4.0	4.6			
Refrigerant type	R-410A	R-410A	R-410A	R410A	R-410A	R-410A			
Refrigerant charge (lb-oz)	3-8	3-2	3-10	4-9	4-6	5-15			
<b>AHRI HEATING PERFORMANCE</b>									
Heating model	D056	D056	D056	D072	D090	D090	D110	D090	D110
Heat input (K Btu)	70/45.5	70/45.5	70/45.5	90/58.5	108/70.2	108/70.2	135/87.8	108/70.2	135/87.8
Heat output (K Btu)	56/36.4	56/36.4	56/36.4	72/46.8	87/56.2	87/56.2	108/70.2	87/56.2	108/70.2
AFUE <sup>1</sup>	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
Steady state efficiency (%)	80	80	80	80	80	80	80	80	80
No. burners	3	3	3	4	4	4	5	4	5
No. stages	2	2	2	2	2	2	2	2	2
Temperature Rise Range (°F)	30-60	30-60	25-55	30-60	45-75	35-65	45-75	35-65	45-75
Max. Outlet Air Temp. (°F)	175	175	175	175	175	175	175	175	175
Gas Limit Setting (°F)	160	160	160	160	175	175	170	175	170
Gas piping connection (in.)	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
<b>DIMENSIONS (inches)</b>									
Length	49 1/8	49 1/8	49 1/8	49 1/8	49 1/8	49 1/8	49 1/8	49 1/8	49 1/8
Width	47 1/4	47 1/4	47 1/4	47 1/4	47 1/4	47 1/4	47 1/4	47 1/4	47 1/4
Height	33 1/2	33 1/2	33 1/2	41 1/2	41 1/2	41 1/2	41 1/2	41 1/2	41 1/2
<b>OPERATING WT. (lbs.)</b>									
Unit Weight (lbs.)	390	425	430	485	490	490	530	530	530
<b>COMPRESSOR</b>									
Type	Recip 1-spd	Scroll 1-spd	Scroll 1-spd	Scroll 1-spd	Scroll 1-spd	Scroll 1-spd	Scroll 1-spd	Scroll 1-spd	Scroll 1-spd
<b>CONDENSER COIL DATA</b>									
Face area (Sq. Ft.)	7.9	11.9	11.9	15	15	15	15	15	15
Rows	1	1	1	1	1	1	1	1	1
Fins per inch	23	23	23	23	23	23	23	23	23
Tube diameter (in.)	0.71 / 18	0.71 / 18	0.71 / 18	0.71 / 18	0.71 / 18	0.71 / 18	0.71 / 18	0.98 / 25	0.98 / 25
Circuitry Type	2-pass Micro-Channel								
<b>EVAPORATOR COIL DATA</b>									
Face area (Sq. Ft.)	3.4	3.4	3.4	4.4	4.4	4.4	4.4	4.4	4.4
Rows	2	3	3	3	3	3	3	3	3
Fins per inch	15	13	13	16	16	16	16	13	13
Tube diameter	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Circuitry Type	Interlaced	Interlaced	Interlaced	Interlaced	Interlaced	Interlaced	Interlaced	Interlaced	Interlaced
Refrigerant control	TXV	TXV	TXV	TXV	TXV	TXV	TXV	TXV	TXV
<b>CONDENSER FAN DATA</b>									
Fan diameter (Inch)	22	22	22	22	22	22	22	22	22
Type	Prop	Prop	Prop	Prop	Prop	Prop	Prop	Prop	Prop
Drive type	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct
No. speeds	1	1	1	1	1	1	1	1	1
Motor HP	1/4	1/4	1/4	1/3	1/3	1/3	1/3	1/3	1/3
RPM	1100	1100	1100	1100	1100	1100	1100	1100	1100
Nominal total CFM	2400	2400	2400	3200	3200	3200	3200	3200	3200
<b>DIRECT DRIVE EVAP FAN DATA</b>									
Fan Size (Inch)	10 x 8	10 x 8	11 x 10	12 x 11	12 x 11	12 x 11	12 x 11	12 x 11	12 x 11
Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Motor HP	1/2	3/4	3/4	3/4	1	1	1	1	1
RPM	Variable	Variable	Variable	Variable	Variable	Variable	Variable	Variable	Variable
Frame size	48	48	48	48	48	48	48	48	48
<b>FILTERS</b>									
Quantity - Size	1 - 20 x 20 x 1	1 - 20 x 20 x 1	1 - 20 x 20 x 1	2 - 20 x 12 x 1	2 - 20 x 12 x 1	2 - 20 x 12 x 1	2 - 20 x 12 x 1	2 - 20 x 12 x 1	2 - 20 x 12 x 1

1. 208/230 volt single phase only.

## DNX Single Stage Gas Heat

Component	Models						
	DNX024		DNX036		DNX048		
Nominal Tonnage	2.0		3.0		4.0		
<b>AHRI COOLING PERFORMANCE</b>							
Gross Capacity @ AHRI A point (MBH)	24.6		38.4		50.0		
AHRI net capacity (MBH)	24.0		37.0		48.0		
EER	11.5		12.3		11.2		
SEER	15.0		16.5		15.0		
Nominal CFM	800		1275		1550		
System power (KW)	2.1		3.0		4.3		
Refrigerant type	R-410A		R-410A		R-410A		
Refrigerant charge (lb-oz)	7-8		9-12		9-8		
<b>AHRI HEATING PERFORMANCE</b>							
Heating model	N036	N056	N065	N090	N065	N090	N110
Heat input (K Btu)	45	70	80	108	80	108	135
Heat output (K Btu)	36	56	64	87	64	87	108
AFUE <sup>1</sup>	81.0	81.0	81.0	81.0	81.0	81.0	81.0
Steady state efficiency (%)	80	80	80	80	80	80	80
No. burners	2	3	3	4	3	4	5
No. stages	1	1	1	1	1	1	1
Temperature Rise Range (°F)	25-55	30-60	25-55	45-75	25-55	35-65	45-75
Max. Outlet Air Temp. (°F)	165	175	165	175	165	175	175
Gas Limit Setting (°F)	140	160	140	160	150	170	160
Gas piping connection (in.)	1/2		1/2		1/2		
<b>DIMENSIONS (inches)</b>							
Length	49 1/8		49 1/8		49 1/8		
Width	47 1/4		47 1/4		47 1/4		
Height	33 1/2		41 1/2		41 1/2		
<b>OPERATING WT. (lbs.)</b>							
Unit Weight (lbs.)	440		480		500		
<b>COMPRESSOR</b>							
Type	Scroll 2-spd		Scroll 2-spd		Scroll 2-spd		
<b>CONDENSER COIL DATA</b>							
Face area (Sq. Ft.)	11.7		14.7		14.7		
Rows	2		2		2		
Fins per inch	20		20		20		
Tube diameter (in.)	3/8		3/8		3/8		
Circuitry Type	Interlaced		Interlaced		Interlaced		
<b>EVAPORATOR COIL DATA</b>							
Face area (Sq. Ft.)	3.4		4.4		4.4		
Rows	2		3		3		
Fins per inch	15		16		16		
Tube diameter	3/8		3/8		3/8		
Circuitry Type	Interlaced		Interlaced		Interlaced		
Refrigerant control	TXV		TXV		TXV		
<b>CONDENSER FAN DATA</b>							
Fan diameter (Inch)	22		22		22		
Type	Prop		Prop		Prop		
Drive type	Direct		Direct		Direct		
No. speeds	1		2		2		
Motor HP	1/4		1/3		1/3		
RPM	1100		900/1100		900/1100		
Nominal total CFM	2400		2400		3000		
<b>DIRECT DRIVE EVAP FAN DATA</b>							
Fan Size (Inch)	10 x 8		11 x 10		11 x 10		
Type	Centrifugal		Centrifugal		Centrifugal		
Motor HP	1/2		1		1		
RPM	Variable		Variable		Variable		
Frame size	48		48		48		
<b>FILTERS</b>							
Quantity - Size	1 - 20 x 20 x 1		2 - 20 x 12 x 1		2 - 20 x 12 x 1		

1. 208/230 volt single phase only.

**DNX Two Stage Gas Heat**

Component	Models			
	DNX024	DNX036	DNX048	
Nominal Tonnage	2.0	3.0	4.0	
<b>AHRI COOLING PERFORMANCE</b>				
Gross Capacity @ AHRI A point (MBH)	24.6	38.4	50.0	
AHRI net capacity (MBH)	24.0	37.0	48.0	
EER	11.5	12.3	11.2	
SEER	15.0	16.5	15.0	
Nominal CFM	800	1275	1550	
System power (KW)	2.1	3.0	4.3	
Refrigerant type	R-410A	R-410A	R-410A	
Refrigerant charge (lb-oz)	7-8	9-12	9-8	
<b>AHRI HEATING PERFORMANCE</b>				
Heating model	D056	D090	D090	D110
Heat input (K Btu)	70/45.5	108/70.2	108/70.2	135/87.8
Heat output (K Btu)	56/36.4	87/56.2	87/56.2	108/70.2
AFUE <sup>1</sup>	81.0	81.0	81.0	81.0
Steady state efficiency (%)	80	80	80	80
No. burners	3	4	4	5
No. stages	2	2	2	2
Temperature Rise Range (°F)	30-60	45-75	35-65	45-75
Max. Outlet Air Temp (°F)	175	175	175	175
Gas Limit Setting (°F)	160	175	170	160
Gas piping connection (in.)	1/2	1/2	1/2	
<b>DIMENSIONS (inches)</b>				
Length	49 1/8	49 1/8	49 1/8	
Width	47 1/4	47 1/4	47 1/4	
Height	33 1/2	41 1/2	41 1/2	
<b>OPERATING WT. (lbs.)</b>				
Unit Weight (lbs.)	440	480	500	
<b>COMPRESSOR</b>				
Type	Scroll 2-spd	Scroll 2-spd	Scroll 2-spd	
<b>CONDENSER COIL DATA</b>				
Face area (Sq. Ft.)	11.7	14.7	14.7	
Rows	2	2	2	
Fins per inch	20	20	20	
Tube diameter (in.)	3/8	3/8	3/8	
Circuitry Type	Interlaced	Interlaced	Interlaced	
<b>EVAPORATOR COIL DATA</b>				
Face area (Sq. Ft.)	3.4	4.4	4.4	
Rows	2	3	3	
Fins per inch	15	16	16	
Tube diameter	3/8	3/8	3/8	
Circuitry Type	Interlaced	Interlaced	Interlaced	
Refrigerant control	TXV	TXV	TXV	
<b>CONDENSER FAN DATA</b>				
Fan diameter (Inch)	22	22	22	
Type	Prop	Prop	Prop	
Drive type	Direct	Direct	Direct	
No. speeds	1	2	1	
Motor HP	1/4	1/3	1/3	
RPM	1100	900/1100	900/1100	
Nominal total CFM	2400	2400	3000	
<b>DIRECT DRIVE EVAP FAN DATA</b>				
Fan Size (Inch)	10 x 8	11 x 10	11 x 10	
Type	Centrifugal	Centrifugal	Centrifugal	
Motor HP	1/2	1	1	
RPM	Variable	Variable	Variable	
Frame size	48	48	48	
<b>FILTERS</b>				
Quantity - Size	1 - 20 x 20 x 1	2 - 20 x 12 x 1	2 - 20 x 12 x 1	

1. 208/230 volt single phase only.

**DNZ Unit Limitations**

Model (Tons)	Unit Voltage	Unit Limitations		
		Applied Voltage		Outdoor DB Temp
		Min	Max	Max (°F)
DNZ024 (2.0)	208/230-1-60	187	252	125
DNZ030 (2.5)	208/230-1-60	187	252	125
	208/230-3-60	187	252	125
	460-3-60	432	504	125
DNZ036 (3.0)	208/230-1-60	187	252	125
	208/230-3-60	187	252	125
	460-3-60	432	504	125
DNZ042 (3.5)	208/230-1-60	187	252	125
	208/230-3-60	187	252	125
	460-3-60	432	504	125
DNZ048 (4.0)	208/230-1-60	187	252	115
	208/230-3-60	187	252	115
	460-3-60	432	504	115
DNZ060 (5.0)	208/230-1-60	187	252	115
	208/230-3-60	187	252	115
	460-3-60	432	504	115

**DNQ Unit Limitations**

Model (Tons)	Unit Voltage	Unit Limitations		
		Applied Voltage		Outdoor DB Temp
		Min	Max	Max (°F)
DNQ024 (2.0)	208/230-1-60	187	252	125
DNQ030 (2.5)	208/230-1-60	187	252	115
	208/230-3-60	187	252	115
	460-3-60	432	504	115
DNQ036 (3.0)	208/230-1-60	187	252	115
	208/230-3-60	187	252	115
	460-3-60	432	504	115
DNQ042 (3.5)	208/230-1-60	187	252	125
	208/230-3-60	187	252	125
	460-3-60	432	504	125
DNQ048 (4.0)	208/230-1-60	187	252	115
	208/230-3-60	187	252	115
	460-3-60	432	504	115
DNQ060 (5.0)	208/230-1-60	187	252	125
	208/230-3-60	187	252	125
	460-3-60	432	504	125

**DNX Unit Limitations**

Model (Tons)	Unit Voltage	Unit Limitations		
		Applied Voltage		Outdoor DB Temp
		Min	Max	Max (°F)
DNX024 (2.0)	208/230-1-60	187	252	115
DNX036 (3.0)	208/230-1-60	187	252	115
	208/230-3-60	187	252	115
	460-3-60	432	504	115
DNX048 (4.0)	208/230-1-60	187	252	115
	208/230-3-60	187	252	115
	460-3-60	432	504	115



# Capacity Performance

## DNZ024-060 Cooling Capacities

### DNZ024 (2.0 Ton)

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				<b>75°F</b>						<b>85°F</b>							
500	77	29.9	1.6	4.7	4.0	2.1	-	-	-	26.9	1.8	9.1	7.4	5.3	-	-	-
	72	28.3	1.6	11.7	9.7	7.7	5.8	-	-	25.4	1.8	13.6	11.6	9.5	7.5	-	-
	67	26.6	1.6	17.9	15.4	13.4	11.4	9.5	-	23.8	1.7	18.0	15.7	13.7	11.7	9.7	-
	62	25.0	1.6	23.8	16.8	12.3	10.3	8.3	6.3	21.7	1.7	21.1	17.6	14.8	12.8	10.8	8.7
600	77	30.2	1.6	7.8	5.5	3.2	-	-	-	27.7	1.8	10.9	8.6	6.2	-	-	-
	72	28.5	1.6	14.7	12.4	10.1	7.9	-	-	26.1	1.8	15.8	13.5	11.2	8.8	-	-
	67	26.9	1.6	21.6	19.3	17.0	14.8	12.5	-	24.6	1.8	20.7	18.4	16.1	13.7	11.4	-
	62	25.3	1.6	24.5	19.9	16.0	13.8	11.5	9.2	22.4	1.7	22.0	19.7	17.4	15.0	12.7	10.4
	57	26.4	1.6	26.4	22.0	18.2	15.9	13.7	11.4	23.7	1.7	23.7	21.5	19.2	16.8	14.5	12.2
700	77	30.5	1.6	10.8	7.0	4.4	-	-	-	28.5	1.8	12.6	9.8	7.2	-	-	-
	72	28.8	1.6	17.6	15.1	12.5	10.0	-	-	26.9	1.8	18.0	15.4	12.8	10.2	-	-
	67	27.2	1.6	25.2	23.2	20.7	18.1	15.6	-	25.3	1.8	23.3	21.0	18.4	15.8	13.2	-
	62	25.6	1.6	25.2	22.9	19.8	17.2	14.7	12.1	23.1	1.7	22.9	21.7	19.9	17.3	14.7	12.1
	57	26.7	1.6	26.7	24.5	22.4	19.8	17.3	14.7	24.4	1.7	24.4	23.3	21.9	19.3	16.7	14.1
800	77	30.8	1.6	13.8	8.4	5.6	-	-	-	29.3	1.8	14.4	11.0	8.1	-	-	-
	72	29.1	1.6	20.6	17.8	14.9	12.1	-	-	27.7	1.8	20.2	17.3	14.4	11.5	-	-
	67	27.4	1.6	27.4	27.1	24.3	21.5	18.6	-	26.0	1.8	26.0	23.6	20.8	17.9	15.0	-
	62	25.9	1.6	25.9	25.9	23.5	20.7	17.9	15.0	23.7	1.7	23.7	23.7	22.4	19.5	16.6	13.7
	57	27.0	1.6	27.0	27.0	26.6	23.7	20.9	18.1	25.1	1.8	25.1	25.1	24.7	21.8	19.0	16.1
900	72	30.0	1.6	20.4	17.1	13.8	10.5	-	-	28.0	1.8	20.9	17.7	14.4	11.2	-	-
	67	28.2	1.6	28.2	26.2	22.9	19.5	16.2	-	26.4	1.8	26.4	24.0	20.8	17.5	14.2	-
	62	26.6	1.6	26.6	26.6	23.5	20.2	16.9	13.6	24.0	1.7	24.0	24.0	22.4	19.2	15.9	12.7
	57	27.8	1.6	27.8	27.8	26.5	23.2	19.9	16.6	25.4	1.8	25.4	25.4	24.7	21.5	18.2	15.0
1000	72	30.8	1.6	20.1	16.4	12.6	8.8	-	-	28.4	1.8	21.6	18.0	14.4	10.8	-	-
	67	29.0	1.6	29.0	25.2	21.4	17.6	13.9	-	26.7	1.8	26.7	24.4	20.8	17.1	13.5	-
	62	27.3	1.6	27.3	27.3	23.4	19.6	15.9	12.1	24.4	1.7	24.4	24.4	22.4	18.8	15.2	11.6
	57	28.5	1.6	28.5	28.5	26.4	22.7	18.9	15.1	25.8	1.8	25.8	25.8	24.7	21.1	17.5	13.9

## DNZ024 (2.0 Ton) (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				95°F						105°F							
500	77	23.9	2.0	12.8	10.7	8.6	-	-	-	22.8	2.1	11.4	9.3	7.4	-	-	-
	72	22.5	1.9	15.5	13.4	11.3	9.2	-	-	20.8	2.1	14.3	12.2	10.2	8.1	-	-
	67	21.1	1.9	18.2	16.1	14.0	11.9	9.9	-	18.7	2.0	17.3	15.2	12.9	10.8	8.7	-
	62	18.5	1.9	18.5	18.5	17.4	15.3	13.2	11.1	17.0	2.0	17.0	17.0	15.1	13.0	11.0	8.9
600	77	25.2	2.0	14.0	11.6	9.3	-	-	-	24.0	2.1	13.5	10.5	8.1	-	-	-
	72	23.7	1.9	16.9	14.5	12.2	9.8	-	-	21.8	2.1	16.0	13.5	11.1	8.7	-	-
	67	22.3	1.9	19.8	17.5	15.1	12.7	10.3	-	19.7	2.0	18.4	16.5	14.1	11.7	9.3	-
	62	19.5	1.9	19.5	19.5	18.7	16.3	13.9	11.6	17.8	2.0	17.8	17.8	16.6	14.1	11.7	9.3
	57	21.0	1.9	21.0	21.0	20.1	17.7	15.4	13.0	19.1	2.0	19.1	19.1	17.7	15.2	12.8	10.4
700	77	26.5	2.0	15.2	12.6	9.9	-	-	-	25.1	2.1	15.6	11.8	8.8	-	-	-
	72	24.9	1.9	18.3	15.7	13.0	10.4	-	-	22.9	2.1	17.6	14.8	12.1	9.4	-	-
	67	23.4	1.9	21.5	18.8	16.1	13.5	10.8	-	20.6	2.0	19.6	17.9	15.4	12.6	9.9	-
	62	20.5	1.9	20.5	20.5	20.0	17.3	14.7	12.0	18.7	2.0	18.7	18.7	18.0	15.2	12.5	9.8
	57	22.1	1.9	22.1	22.1	21.5	18.8	16.2	13.5	20.0	2.0	20.0	20.0	19.2	16.4	13.7	10.9
800	77	27.8	2.0	16.4	13.5	10.6	-	-	-	26.3	2.1	17.7	13.0	9.5	-	-	-
	72	26.2	1.9	19.8	16.8	13.9	10.9	-	-	23.9	2.1	19.2	16.2	13.1	10.0	-	-
	67	24.6	1.9	23.1	20.1	17.2	14.3	11.3	-	21.5	2.1	20.8	19.3	16.6	13.5	10.5	-
	62	21.5	1.9	21.5	21.5	21.3	18.4	15.4	12.5	19.5	2.0	19.5	19.5	19.4	16.4	13.3	10.2
	57	23.2	1.9	23.2	23.2	22.9	20.0	17.0	14.1	21.0	2.0	21.0	21.0	20.7	17.6	14.5	11.5
900	72	26.1	2.0	21.5	18.3	15.0	11.8	-	-	24.0	2.1	20.7	17.4	14.0	10.7	-	-
	67	24.5	1.9	23.8	21.9	18.7	15.4	12.2	-	21.7	2.1	21.3	20.3	17.8	14.5	11.2	-
	62	21.5	1.9	21.5	21.5	21.4	18.2	14.9	11.7	19.7	2.0	19.7	19.7	19.6	16.3	12.9	9.6
	57	23.1	1.9	23.1	23.1	23.0	19.8	16.6	13.4	21.1	2.1	21.1	21.1	21.0	17.6	14.3	11.0
1000	72	26.1	2.0	23.2	19.7	16.2	12.8	-	-	24.2	2.1	22.2	18.6	15.0	11.4	-	-
	67	24.5	1.9	24.5	23.6	20.1	16.6	13.2	-	21.8	2.1	21.8	21.3	19.1	15.5	11.9	-
	62	21.4	1.9	21.4	21.4	21.4	18.0	14.5	11.0	19.8	2.1	19.8	19.8	19.8	16.2	12.6	9.0
	57	23.1	1.9	23.1	23.1	23.1	19.6	16.1	12.7	21.2	2.1	21.2	21.2	21.2	17.6	14.0	10.4

**DNZ024 (2.0 Ton) (Continued)**

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
		Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		<b>115°F</b>								<b>125°F</b>							
500	77	21.8	2.3	10.0	7.9	6.2	-	-	-	20.8	2.4	10.0	5.9	5.1	-	-	-
	72	19.1	2.2	13.2	11.1	9.0	6.9	-	-	17.4	2.4	12.0	9.9	7.8	5.8	-	-
	67	16.3	2.2	16.3	14.2	11.8	9.7	7.6	-	14.0	2.3	14.0	14.0	10.6	8.5	6.5	-
	62	15.5	2.2	15.5	15.5	12.9	10.8	8.7	6.6	14.0	2.3	14.0	14.0	10.6	8.5	6.5	4.4
600	77	22.8	2.3	13.0	9.5	7.0	-	-	-	21.6	2.4	13.7	8.6	5.9	-	-	-
	72	19.9	2.2	15.0	12.5	10.1	7.6	-	-	18.0	2.4	14.1	11.6	9.1	6.5	-	-
	67	17.1	2.2	17.1	15.6	13.2	10.7	8.3	-	14.5	2.3	14.5	14.5	12.2	9.7	7.2	-
	62	16.2	2.2	16.2	16.2	14.4	12.0	9.5	7.1	14.6	2.3	14.6	14.6	12.3	9.8	7.3	4.8
	57	17.3	2.2	17.3	17.3	15.2	12.8	10.3	7.8	15.5	2.3	15.5	15.5	12.8	10.3	7.8	5.3
700	77	23.8	2.3	15.9	11.0	7.8	-	-	-	22.4	2.5	17.3	11.4	6.7	-	-	-
	72	20.8	2.2	16.9	14.0	11.2	8.3	-	-	18.7	2.4	16.1	13.2	10.3	7.3	-	-
	67	17.8	2.2	17.8	17.1	14.6	11.8	8.9	-	15.0	2.3	15.0	15.0	13.8	10.9	8.0	-
	62	16.9	2.2	16.9	16.9	16.0	13.2	10.3	7.5	15.1	2.3	15.1	15.1	14.0	11.1	8.2	5.2
	57	18.0	2.2	18.0	18.0	16.9	14.0	11.2	8.4	16.0	2.3	16.0	16.0	14.5	11.6	8.7	5.8
800	77	24.7	2.3	18.9	12.5	8.5	-	-	-	23.2	2.5	20.9	14.2	7.5	-	-	-
	72	21.6	2.3	18.7	15.5	12.3	9.1	-	-	19.3	2.4	18.2	14.8	11.5	8.1	-	-
	67	18.5	2.2	18.5	18.5	16.0	12.8	9.6	-	15.5	2.3	15.5	15.5	15.5	12.1	8.8	-
	62	17.6	2.2	17.6	17.6	17.6	14.3	11.1	7.9	15.6	2.3	15.6	15.6	15.6	12.3	9.0	5.6
	57	18.8	2.2	18.8	18.8	18.5	15.3	12.1	8.9	16.5	2.4	16.5	16.5	16.3	13.0	9.6	6.3
900	72	22.0	2.3	20.0	16.5	13.0	9.6	-	-	19.9	2.4	19.2	15.6	12.0	8.4	-	-
	67	18.8	2.2	18.8	18.8	17.0	13.6	10.1	-	15.9	2.4	15.9	15.9	15.9	12.6	9.0	-
	62	17.8	2.2	17.8	17.8	17.8	14.4	10.9	7.5	16.0	2.3	16.0	16.0	16.0	12.5	8.9	5.3
	57	19.1	2.2	19.1	19.1	18.9	15.5	12.0	8.5	17.0	2.4	17.0	17.0	16.9	13.3	9.7	6.1
1000	72	22.3	2.3	21.2	17.5	13.8	10.1	-	-	20.4	2.4	20.3	16.4	12.6	8.8	-	-
	67	19.1	2.2	19.1	19.1	18.0	14.3	10.6	-	16.4	2.4	16.4	16.4	16.4	13.2	9.3	-
	62	18.1	2.2	18.1	18.1	18.1	14.4	10.7	7.0	16.5	2.4	16.5	16.5	16.5	12.7	8.8	5.0
	57	19.4	2.2	19.4	19.4	19.4	15.7	11.9	8.2	17.5	2.4	17.5	17.5	17.5	13.7	9.9	6.0

1. These capacities are Net Capacities.
2. These ratings include the compressor, condenser fan and supply air blower motors.

**DNZ030 (2.5 Ton)**

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				75°F								85°F					
850	77	35.3	2.1	15.9	12.6	9.3	-	-	-	33.9	2.3	16.5	13.1	9.7	-	-	-
	72	33.5	2.1	20.8	17.5	14.2	10.8	-	-	31.7	2.3	20.8	17.5	14.1	10.7	-	-
	67	31.6	2.1	25.7	22.4	19.0	15.7	12.4	-	29.6	2.3	25.2	21.8	18.4	15.0	11.6	-
	62	29.7	2.0	29.7	27.6	22.8	19.5	16.1	12.8	27.4	2.2	27.4	26.3	22.4	19.0	15.6	12.2
900	57	37.1	2.1	17.0	13.7	10.4	-	-	-	35.6	2.4	17.6	14.2	10.7	-	-	-
	77	35.1	2.1	22.4	19.1	15.8	12.4	-	-	33.3	2.3	22.4	18.9	15.5	12.0	-	-
	72	33.2	2.1	27.8	24.5	21.2	17.8	14.5	-	31.1	2.3	27.2	23.7	20.3	16.8	13.3	-
	67	31.2	2.0	31.2	29.8	25.3	22.0	18.7	15.4	28.8	2.2	28.8	28.1	24.6	21.2	17.7	14.3
62	29.9	2.0	29.9	29.9	27.1	23.8	20.5	17.2	28.0	2.2	28.0	28.0	25.8	22.4	18.9	15.5	
950	57	38.8	2.1	18.0	14.7	11.4	-	-	-	37.3	2.4	18.8	15.2	11.7	-	-	-
	77	36.8	2.1	24.0	20.7	17.3	14.0	-	-	34.9	2.3	24.0	20.4	16.9	13.4	-	-
	72	34.8	2.1	29.9	26.6	23.3	20.0	16.7	-	32.5	2.3	29.1	25.6	22.1	18.6	15.1	-
	67	32.7	2.1	32.7	32.0	27.9	24.6	21.3	17.9	30.2	2.3	30.2	29.8	26.9	23.4	19.8	16.3
62	31.3	2.1	31.3	31.3	29.9	26.6	23.2	19.9	29.4	2.3	29.4	29.4	28.2	24.7	21.2	17.6	
1000	57	40.6	2.2	19.1	15.8	12.5	-	-	-	39.0	2.4	19.9	16.3	12.7	-	-	-
	72	38.5	2.1	25.6	22.2	18.9	15.6	-	-	36.5	2.3	25.5	21.9	18.3	14.7	-	-
	67	36.4	2.1	32.0	28.7	25.4	22.1	18.8	-	34.0	2.3	31.1	27.6	24.0	20.4	16.8	-
	62	34.2	2.1	34.2	34.2	30.4	27.1	23.8	20.5	31.5	2.3	31.5	31.5	29.1	25.6	22.0	18.4
57	32.8	2.1	32.8	32.8	32.6	29.3	26.0	22.7	30.7	2.3	30.7	30.7	30.6	27.0	23.4	19.8	
1125	72	39.1	2.1	26.5	22.9	19.4	15.8	-	-	37.1	2.4	26.9	23.0	19.2	15.3	-	-
	67	37.0	2.1	34.1	29.6	26.0	22.4	18.9	-	34.6	2.3	32.8	28.9	25.1	21.2	17.4	-
	62	34.7	2.1	34.7	34.7	32.1	28.6	25.0	21.5	32.0	2.3	32.0	32.0	30.5	26.6	22.8	18.9
	57	33.3	2.1	33.3	33.3	33.2	29.7	26.1	22.5	31.2	2.3	31.2	31.2	31.1	27.3	23.4	19.6
1250	72	39.8	2.2	27.4	23.6	19.8	16.0	-	-	37.7	2.4	28.2	24.1	20.0	15.9	-	-
	67	37.6	2.1	36.1	30.4	26.6	22.8	19.0	-	35.1	2.3	34.4	30.3	26.2	22.0	17.9	-
	62	35.3	2.1	35.3	35.3	33.8	30.0	26.2	22.4	32.5	2.3	32.5	32.5	31.8	27.7	23.6	19.5
	57	33.8	2.1	33.8	33.8	33.8	30.0	26.2	22.4	31.7	2.3	31.7	31.7	31.7	27.6	23.5	19.4
				95°F								105°F					
850	77	32.4	2.6	17.1	13.7	10.2	-	-	-	30.7	2.8	17.4	13.0	9.4	-	-	-
	72	30.0	2.5	20.9	17.4	14.0	10.5	-	-	27.8	2.7	20.4	16.8	13.1	9.5	-	-
	67	27.5	2.5	24.7	21.2	17.8	14.3	10.8	-	24.9	2.6	23.5	20.6	16.9	13.2	9.6	-
	62	25.1	2.4	25.1	25.1	21.9	18.5	15.0	11.6	23.0	2.6	23.0	23.0	20.1	16.4	12.8	9.1
900	57	34.1	2.6	18.3	14.7	11.1	-	-	-	32.1	2.8	18.8	14.0	10.2	-	-	-
	77	31.5	2.5	22.4	18.8	15.2	11.6	-	-	29.1	2.7	21.8	18.1	14.3	10.6	-	-
	72	28.9	2.5	26.5	22.9	19.3	15.8	12.2	-	26.1	2.7	24.9	22.2	18.4	14.7	10.9	-
	67	26.4	2.4	26.4	26.4	23.9	20.3	16.7	13.1	24.1	2.6	24.1	24.1	21.9	18.2	14.4	10.7
62	26.2	2.4	26.2	26.2	24.5	20.9	17.3	13.8	24.0	2.6	24.0	24.0	22.2	18.4	14.7	10.9	
950	57	35.7	2.6	19.5	15.8	12.0	-	-	-	33.4	2.8	20.2	14.9	11.1	-	-	-
	77	33.0	2.5	23.9	20.2	16.5	12.8	-	-	30.3	2.7	23.2	19.4	15.5	11.7	-	-
	72	30.3	2.5	28.4	24.7	20.9	17.2	13.5	-	27.2	2.7	26.2	23.8	20.0	16.2	12.3	-
	67	27.6	2.4	27.6	27.6	25.9	22.1	18.4	14.7	25.1	2.6	25.1	25.1	23.7	19.9	16.1	12.2
62	27.4	2.4	27.4	27.4	26.5	22.8	19.1	15.4	25.0	2.6	25.0	25.0	24.0	20.2	16.3	12.5	
1000	57	37.4	2.6	20.7	16.8	12.9	-	-	-	34.8	2.8	21.6	15.9	11.9	-	-	-
	72	34.6	2.6	25.5	21.6	17.7	13.9	-	-	31.6	2.8	24.6	20.7	16.7	12.8	-	-
	67	31.7	2.5	30.3	26.4	22.5	18.7	14.8	-	28.3	2.7	27.6	25.5	21.5	17.6	13.7	-
	62	28.9	2.5	28.9	28.9	27.8	24.0	20.1	16.2	26.1	2.6	26.1	26.1	25.6	21.7	17.7	13.8
57	28.7	2.5	28.7	28.7	28.6	24.7	20.8	17.0	26.0	2.6	26.0	26.0	25.9	21.9	18.0	14.1	
1125	72	35.1	2.6	27.3	23.1	19.0	14.8	-	-	32.1	2.8	26.4	22.1	17.9	13.6	-	-
	67	32.2	2.5	31.5	28.3	24.1	20.0	15.8	-	28.8	2.7	28.4	26.7	23.0	18.8	14.5	-
	62	29.3	2.5	29.3	29.3	28.8	24.7	20.5	16.4	26.5	2.7	26.5	26.5	26.3	22.0	17.8	13.5
	57	29.1	2.5	29.1	29.1	29.1	24.9	20.8	16.6	26.5	2.7	26.5	26.5	26.4	22.1	17.9	13.6
1250	72	35.6	2.6	29.1	24.7	20.2	15.8	-	-	32.6	2.8	28.2	23.6	19.0	14.5	-	-
	67	32.7	2.5	32.7	30.1	25.7	21.3	16.9	-	29.2	2.7	29.2	28.0	24.5	19.9	15.4	-
	62	29.8	2.5	29.8	29.8	29.8	25.4	21.0	16.5	27.0	2.7	27.0	27.0	27.0	22.4	17.8	13.2
	57	29.6	2.5	29.6	29.6	29.6	25.2	20.7	16.3	26.9	2.7	26.9	26.9	26.9	22.3	17.7	13.1

**DNZ030 (2.5 Ton) (Continued)**

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				<b>115°F</b>						<b>125°F</b>							
850	77	29.0	3.0	17.6	12.4	8.5	-	-	-	27.2	3.3	19.3	11.2	7.7	-	-	-
	72	25.7	2.9	20.0	16.1	12.3	8.4	-	-	23.5	3.1	19.6	15.5	11.4	7.4	-	-
	67	22.4	2.8	22.4	19.9	16.0	12.2	8.3	-	19.8	3.0	19.8	19.8	15.2	11.1	7.1	-
	62	21.0	2.8	21.0	21.0	18.2	14.3	10.5	6.6	18.9	3.0	18.9	18.9	16.3	12.3	8.2	4.1
900	57	30.0	3.0	19.3	13.2	9.3	-	-	-	28.0	3.3	21.0	12.8	8.4	-	-	-
	77	26.6	2.9	21.2	17.3	13.4	9.5	-	-	24.2	3.1	20.7	16.6	12.5	8.5	-	-
	72	23.2	2.8	23.2	21.5	17.6	13.6	9.7	-	20.4	3.0	20.4	20.4	16.7	12.6	8.5	-
	67	21.8	2.8	21.8	21.8	19.9	16.0	12.1	8.2	19.5	3.0	19.5	19.5	17.9	13.8	9.8	5.7
950	62	21.8	2.8	21.8	21.8	19.8	15.9	12.0	8.1	19.6	3.0	19.6	19.6	17.4	13.3	9.3	5.2
	57	31.1	3.0	20.9	14.1	10.1	-	-	-	28.8	3.3	22.6	14.5	9.1	-	-	-
	77	27.6	2.9	22.5	18.5	14.6	10.6	-	-	24.9	3.2	21.8	17.7	13.6	9.6	-	-
	72	24.1	2.9	24.1	23.0	19.1	15.1	11.2	-	20.9	3.0	20.9	20.9	18.1	14.1	10.0	-
1000	67	22.5	2.8	22.5	22.5	21.6	17.7	13.7	9.8	20.0	3.0	20.0	20.0	19.5	15.4	11.4	7.3
	62	22.6	2.8	22.6	22.6	21.5	17.5	13.6	9.6	20.1	3.0	20.1	20.1	18.9	14.9	10.8	6.7
	57	32.2	3.1	22.6	14.9	10.9	-	-	-	29.6	3.3	24.2	16.1	9.9	-	-	-
	72	28.6	3.0	23.7	19.7	15.7	11.7	-	-	25.5	3.2	22.9	18.8	14.7	10.7	-	-
1125	67	24.9	2.9	24.9	24.6	20.6	16.6	12.6	-	21.5	3.0	21.5	21.5	19.6	15.5	11.5	-
	62	23.3	2.8	23.3	23.3	23.3	19.3	15.3	11.3	20.5	3.0	20.5	20.5	20.5	17.0	12.9	8.9
	57	23.4	2.8	23.4	23.4	23.2	19.2	15.2	11.2	20.7	3.0	20.7	20.7	20.5	16.4	12.4	8.3
	72	29.1	3.0	25.5	21.2	16.8	12.4	-	-	26.1	3.2	24.7	20.2	15.7	11.2	-	-
1250	67	25.3	2.9	25.3	25.2	21.9	17.6	13.2	-	21.9	3.1	21.9	21.9	20.9	16.4	11.9	-
	62	23.7	2.8	23.7	23.7	23.7	19.4	15.0	10.6	21.0	3.0	21.0	21.0	21.0	16.7	12.2	7.7
	57	23.8	2.9	23.8	23.8	23.7	19.3	14.9	10.6	21.1	3.0	21.1	21.1	21.0	16.5	12.0	7.5
	72	29.6	3.0	27.4	22.6	17.8	13.1	-	-	26.6	3.2	26.5	21.6	16.6	11.7	-	-
1250	67	25.8	2.9	25.8	25.8	23.3	18.6	13.8	-	22.4	3.1	22.4	22.4	22.1	17.2	12.3	-
	62	24.2	2.9	24.2	24.2	24.2	19.4	14.7	9.9	21.4	3.1	21.4	21.4	21.4	16.4	11.5	6.6
	57	24.2	2.9	24.2	24.2	24.2	19.5	14.7	9.9	21.5	3.1	21.5	21.5	21.5	16.6	11.7	6.7

1. These capacities are Net Capacities.
2. These ratings include the compressor, condenser fan and supply air blower motors.



**DNZ036 (3.0 Ton)**

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				<b>75°F</b>						<b>85°F</b>							
750	77	36.9	1.9	18.9	15.2	12.1	-	-	-	40.3	2.5	18.3	15.2	12.1	-	-	-
	72	34.7	2.0	22.9	19.8	16.7	13.6	-	-	37.1	2.5	23.2	20.0	16.8	13.7	-	-
	67	32.6	2.1	26.9	24.4	21.3	18.2	15.1	-	33.9	2.5	28.1	24.8	21.6	18.4	15.2	-
	62	30.7	2.0	30.7	30.7	26.4	23.3	20.2	17.1	31.3	2.5	31.3	30.7	25.7	22.5	19.3	16.2
900	77	39.2	1.9	20.6	17.0	13.4	-	-	-	41.4	2.4	20.5	16.8	13.2	-	-	-
	72	36.8	2.0	25.6	22.0	18.5	14.9	-	-	38.1	2.5	25.7	22.1	18.4	14.7	-	-
	67	34.5	2.2	30.7	27.1	23.5	19.9	16.3	-	34.8	2.5	30.9	27.3	23.6	19.9	16.2	-
	62	32.4	2.0	32.4	32.4	29.2	25.6	22.0	18.4	32.1	2.5	32.1	31.7	28.0	24.4	20.7	17.0
	57	32.7	2.1	32.7	32.7	29.7	26.1	22.5	19.0	32.7	2.5	32.7	32.3	28.7	25.0	21.3	17.6
1050	77	41.4	2.0	22.2	18.8	14.7	-	-	-	42.4	2.4	22.8	18.5	14.3	-	-	-
	72	38.9	2.1	28.4	24.3	20.2	16.1	-	-	39.1	2.5	28.3	24.1	19.9	15.7	-	-
	67	36.4	2.2	34.5	29.8	25.7	21.7	17.6	-	35.7	2.5	33.7	29.7	25.6	21.4	17.2	-
	62	34.2	2.1	34.2	34.2	31.9	27.8	23.7	19.7	32.9	2.5	32.9	32.7	30.4	26.2	22.0	17.9
	57	34.5	2.1	34.5	34.5	32.5	28.4	24.4	20.3	33.5	2.5	33.5	33.3	31.1	26.9	22.7	18.5
1200	77	43.7	2.0	23.8	20.5	15.9	-	-	-	43.5	2.4	25.1	20.1	15.4	-	-	-
	72	41.0	2.1	31.1	26.5	22.0	17.4	-	-	40.0	2.5	30.8	26.1	21.5	16.8	-	-
	67	38.4	2.2	38.4	32.6	28.0	23.4	18.8	-	36.6	2.5	36.6	32.2	27.5	22.9	18.2	-
	62	36.0	2.1	36.0	36.0	34.6	30.1	25.5	20.9	33.8	2.5	33.8	33.8	32.7	28.1	23.4	18.7
	57	36.3	2.1	36.3	36.3	35.3	30.7	26.2	21.6	34.3	2.5	34.3	34.3	33.5	28.8	24.1	19.4
1350	72	41.7	2.1	33.3	28.1	22.8	17.6	-	-	40.2	2.5	32.5	27.2	22.0	16.7	-	-
	67	39.0	2.2	39.0	34.3	29.1	23.9	18.7	-	36.8	2.5	36.8	33.4	28.2	22.9	17.7	-
	62	36.5	2.0	36.5	36.5	35.9	30.7	25.4	20.2	33.9	2.5	33.9	33.9	33.4	28.2	22.9	17.7
	57	36.9	2.1	36.9	36.9	36.4	31.2	25.9	20.7	34.5	2.5	34.5	34.5	34.1	28.8	23.6	18.3
1500	72	42.4	2.0	35.5	29.6	23.7	17.9	-	-	40.5	2.5	34.1	28.3	22.5	16.7	-	-
	67	39.6	2.1	39.6	36.1	30.2	24.4	18.5	-	37.0	2.5	37.0	34.7	28.9	23.0	17.2	-
	62	37.1	2.0	37.1	37.1	37.1	31.3	25.4	19.5	34.1	2.5	34.1	34.1	34.1	28.3	22.5	16.6
	57	37.4	2.0	37.4	37.4	37.4	31.6	25.7	19.8	34.7	2.5	34.7	34.7	34.7	28.9	23.1	17.2
				<b>95°F</b>						<b>105°F</b>							
750	77	43.7	3.0	17.6	15.2	12.0	-	-	-	40.0	3.3	16.0	14.3	11.1	-	-	-
	72	39.4	2.9	23.5	20.2	16.9	13.7	-	-	36.2	3.3	22.5	19.2	15.9	12.7	-	-
	67	35.1	2.9	29.4	25.2	21.9	18.6	15.4	-	32.5	3.3	29.0	24.1	20.7	17.5	14.2	-
	62	31.9	3.0	31.9	30.2	24.9	21.7	18.4	15.2	30.0	3.4	30.0	28.9	23.4	20.1	16.8	13.6
900	77	43.6	3.0	20.5	16.7	12.9	-	-	-	39.7	3.3	19.5	15.7	12.0	-	-	-
	72	39.3	2.9	25.8	22.1	18.3	14.5	-	-	36.0	3.3	24.7	20.9	17.2	13.4	-	-
	67	35.0	2.8	31.2	27.4	23.6	19.9	16.1	-	32.2	3.3	29.9	26.2	22.4	18.6	14.9	-
	62	31.8	3.0	31.8	30.7	26.9	23.1	19.4	15.6	29.8	3.4	29.8	29.0	25.3	21.5	17.7	14.0
	57	32.6	3.0	32.6	31.4	27.6	23.9	20.1	16.3	30.6	3.4	30.6	29.5	25.8	22.0	18.3	14.5
1050	77	43.4	2.9	23.4	18.2	13.9	-	-	-	39.4	3.3	23.0	17.2	12.9	-	-	-
	72	39.2	2.9	28.2	23.9	19.6	15.3	-	-	35.7	3.3	26.9	22.7	18.5	14.2	-	-
	67	34.9	2.8	33.0	29.6	25.4	21.1	16.8	-	32.0	3.3	30.8	28.2	24.0	19.8	15.6	-
	62	31.6	3.0	31.6	31.1	28.9	24.6	20.3	16.1	29.5	3.4	29.5	29.2	27.1	22.9	18.6	14.4
	57	32.5	2.9	32.5	31.9	29.6	25.4	21.1	16.8	30.4	3.4	30.4	29.8	27.7	23.4	19.2	15.0
1200	77	43.3	2.9	26.3	19.6	14.8	-	-	-	39.1	3.3	26.6	18.6	13.8	-	-	-
	72	39.0	2.8	30.5	25.7	21.0	16.2	-	-	35.4	3.3	29.2	24.4	19.7	15.0	-	-
	67	34.8	2.7	34.8	31.9	27.1	22.3	17.5	-	31.8	3.3	31.8	30.3	25.7	21.0	16.3	-
	62	31.5	2.9	31.5	31.5	30.8	26.1	21.3	16.5	29.3	3.4	29.3	29.3	29.0	24.3	19.5	14.8
	57	32.4	2.9	32.4	32.4	31.7	26.9	22.1	17.3	30.1	3.4	30.1	30.1	29.6	24.8	20.1	15.4
1350	72	38.8	2.9	31.7	26.4	21.1	15.8	-	-	35.3	3.3	30.5	25.3	20.0	14.8	-	-
	67	34.5	2.8	34.5	32.6	27.3	22.0	16.7	-	31.6	3.3	31.6	30.7	26.1	20.8	15.6	-
	62	31.3	3.0	31.3	31.3	31.0	25.7	20.4	15.1	29.2	3.4	29.2	29.2	29.1	23.8	18.6	13.3
	57	32.2	2.9	32.2	32.2	31.8	26.5	21.3	16.0	30.0	3.4	30.0	30.0	29.7	24.5	19.3	14.0
1500	72	38.5	2.9	32.8	27.0	21.3	15.5	-	-	35.2	3.3	31.9	26.1	20.3	14.5	-	-
	67	34.3	2.9	34.3	33.3	27.5	21.7	15.9	-	31.5	3.3	31.5	31.0	26.5	20.7	14.9	-
	62	31.1	3.0	31.1	31.1	31.1	25.3	19.6	13.8	29.1	3.5	29.1	29.1	29.1	23.4	17.6	11.8
	57	32.0	3.0	32.0	32.0	32.0	26.2	20.4	14.6	29.9	3.4	29.9	29.9	29.9	24.2	18.4	12.6

**DNZ036 (3.0 Ton) (Continued)**

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				<b>115°F</b>						<b>125°F</b>							
750	77	36.2	3.6	14.4	13.4	10.2	-	-	-	32.4	3.9	13.9	11.7	9.3	-	-	-
	72	33.0	3.7	21.5	18.2	14.9	11.6	-	-	29.8	4.1	20.5	17.2	13.9	10.6	-	-
	67	29.8	3.8	28.6	23.0	19.6	16.3	13.0	-	27.1	4.2	27.1	21.9	18.4	15.1	11.8	-
	62	28.1	3.8	28.1	27.5	21.8	18.6	15.3	12.0	26.2	4.3	26.2	26.1	20.3	17.0	13.7	10.4
900	77	35.8	3.6	18.5	14.8	11.0	-	-	-	31.9	4.0	18.3	13.8	10.1	-	-	-
	72	32.6	3.7	23.6	19.8	16.1	12.4	-	-	29.3	4.1	22.5	18.7	15.0	11.3	-	-
	67	29.4	3.8	28.6	24.9	21.2	17.4	13.7	-	26.6	4.3	26.6	23.7	19.9	16.2	12.5	-
	62	27.8	3.9	27.8	27.3	23.6	19.9	16.1	12.4	25.8	4.3	25.8	25.7	21.9	18.2	14.5	10.8
	57	28.5	3.8	28.5	27.6	23.9	20.2	16.4	12.7	26.5	4.2	26.5	25.8	22.0	18.3	14.6	10.9
1050	77	35.4	3.7	22.7	16.2	11.9	-	-	-	31.3	4.1	22.7	15.9	10.9	-	-	-
	72	32.2	3.8	25.7	21.5	17.3	13.1	-	-	28.7	4.2	24.4	20.3	16.1	12.0	-	-
	67	29.1	3.8	28.7	26.8	22.7	18.5	14.3	-	26.2	4.4	26.2	25.4	21.4	17.3	13.1	-
	62	27.4	3.9	27.4	27.2	25.4	21.2	17.0	12.8	25.3	4.4	25.3	25.3	23.6	19.4	15.3	11.1
	57	28.2	3.8	28.2	27.7	25.7	21.5	17.3	13.1	26.0	4.3	26.0	25.7	23.7	19.5	15.4	11.2
1200	77	34.9	3.7	26.9	17.6	12.7	-	-	-	30.8	4.1	27.1	18.0	11.6	-	-	-
	72	31.8	3.8	27.8	23.1	18.5	13.8	-	-	28.2	4.3	26.4	21.8	17.3	12.7	-	-
	67	28.7	3.9	28.7	28.7	24.3	19.7	15.0	-	25.7	4.4	25.7	25.7	22.9	18.3	13.8	-
	62	27.1	3.9	27.1	27.1	27.1	22.5	17.8	13.2	24.9	4.4	24.9	24.9	24.9	20.7	16.1	11.5
	57	27.8	3.9	27.8	27.8	27.5	22.8	18.2	13.5	25.6	4.4	25.6	25.6	25.4	20.8	16.2	11.6
1350	72	31.9	3.8	29.3	24.1	18.9	13.7	-	-	28.4	4.2	28.2	23.0	17.8	12.7	-	-
	67	28.8	3.9	28.8	28.8	24.9	19.7	14.5	-	25.9	4.4	25.9	25.9	23.7	18.5	13.3	-
	62	27.1	3.9	27.1	27.1	27.1	21.9	16.7	11.5	25.0	4.4	25.0	25.0	25.0	20.0	14.9	9.7
	57	27.9	3.8	27.9	27.9	27.7	22.5	17.3	12.0	25.7	4.3	25.7	25.7	25.6	20.4	15.3	10.1
1500	72	31.9	3.7	30.9	25.1	19.4	13.6	-	-	28.6	4.2	28.6	24.2	18.4	12.6	-	-
	67	28.8	3.8	28.8	28.8	25.4	19.7	13.9	-	26.0	4.3	26.0	26.0	24.4	18.6	12.9	-
	62	27.1	3.9	27.1	27.1	27.1	21.4	15.6	9.8	25.2	4.3	25.2	25.2	25.2	19.4	13.6	7.9
	57	27.9	3.8	27.9	27.9	27.9	22.1	16.3	10.6	25.8	4.3	25.8	25.8	25.8	20.1	14.3	8.5

1. These capacities are Net Capacities.
2. These ratings include the compressor, condenser fan and supply air blower motors.

**DNZ042 (3.5 Ton)**

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
		75°F										85°F					
		90	85	80	75	70	65	90	85	80	75	70	65				
875	77	46.4	2.7	21.7	16.7	12.9	-	-	-	45.8	2.9	20.8	16.8	12.9	-	-	-
	72	44.6	2.6	27.5	23.6	19.8	15.9	-	-	42.9	2.9	27.0	23.1	19.1	15.2	-	-
	67	42.8	2.6	33.3	30.5	26.7	22.8	18.9	-	39.9	2.9	33.2	29.3	25.4	21.5	17.5	-
	62	39.1	2.5	39.1	39.1	32.1	28.2	24.4	20.5	36.5	2.8	36.5	36.5	30.4	26.4	22.5	18.6
1050	57	48.9	2.7	23.1	18.7	14.3	-	-	-	48.1	3.0	23.4	18.9	14.4	-	-	-
	77	47.0	2.7	30.8	26.4	22.0	17.6	-	-	45.0	2.9	30.4	25.9	21.4	16.8	-	-
	72	45.0	2.6	38.5	34.1	29.7	25.3	20.9	-	41.9	2.9	37.3	32.8	28.3	23.8	19.3	-
	67	41.2	2.6	41.2	41.2	35.8	31.4	27.0	22.6	38.4	2.8	38.4	38.4	33.9	29.4	24.8	20.3
1225	62	40.1	2.5	40.1	40.1	36.4	32.0	27.6	23.2	37.5	2.8	37.5	37.5	33.7	29.2	24.7	20.2
	57	51.4	2.7	24.5	20.7	15.8	-	-	-	50.4	3.0	26.1	21.0	15.9	-	-	-
	77	49.3	2.7	34.1	29.2	24.3	19.4	-	-	47.2	2.9	33.8	28.7	23.6	18.5	-	-
	72	47.3	2.6	43.6	37.6	32.7	27.8	22.9	-	43.9	2.9	41.4	36.4	31.3	26.2	21.1	-
1400	67	43.3	2.6	43.3	43.3	39.4	34.5	29.6	24.7	40.2	2.8	40.2	40.2	37.4	32.3	27.2	22.1
	62	42.1	2.6	42.1	42.1	40.1	35.2	30.3	25.4	39.3	2.8	39.3	39.3	37.2	32.2	27.1	22.0
	57	53.8	2.7	25.9	22.7	17.3	-	-	-	52.7	3.0	28.7	23.1	17.4	-	-	-
	72	51.7	2.7	37.3	31.9	26.5	21.1	-	-	49.3	2.9	37.1	31.5	25.8	20.1	-	-
1515	67	49.5	2.7	48.8	41.2	35.8	30.4	24.9	-	45.9	2.9	45.5	39.9	34.2	28.5	22.9	-
	62	45.3	2.6	45.3	45.3	43.1	37.7	32.3	26.8	42.0	2.8	42.0	42.0	40.9	35.2	29.5	23.9
	57	44.2	2.6	44.2	44.2	43.8	38.4	33.0	27.6	41.1	2.8	41.1	41.1	40.7	35.1	29.4	23.7
	72	51.7	2.7	38.5	32.8	27.1	21.4	-	-	49.5	3.0	38.7	32.7	26.7	20.6	-	-
1630	67	49.5	2.7	49.2	42.3	36.6	30.8	25.1	-	46.1	2.9	45.9	41.4	35.4	29.3	23.3	-
	62	45.4	2.6	45.4	45.4	44.2	38.5	32.8	27.0	42.2	2.9	42.2	42.2	41.6	35.6	29.6	23.5
	57	44.2	2.6	44.2	44.2	44.0	38.3	32.5	26.8	41.2	2.8	41.2	41.2	41.0	35.0	29.0	23.0
	72	51.7	2.7	39.7	33.7	27.7	21.6	-	-	49.6	3.0	40.3	33.9	27.5	21.2	-	-
1630	67	49.6	2.7	49.6	43.4	37.4	31.3	25.3	-	46.2	2.9	46.2	42.9	36.5	30.1	23.8	-
	62	45.4	2.6	45.4	45.4	45.4	39.3	33.3	27.3	42.3	2.9	42.3	42.3	42.3	35.9	29.6	23.2
	57	44.2	2.6	44.2	44.2	44.2	38.1	32.1	26.1	41.3	2.8	41.3	41.3	41.3	35.0	28.6	22.2
			95°F										105°F				
		90	85	80	75	70	65	90	85	80	75	70	65				
875	77	45.2	3.2	19.8	16.9	12.9	-	-	-	42.2	3.5	19.4	15.4	11.9	-	-	-
	72	41.1	3.1	26.5	22.5	18.5	14.5	-	-	37.7	3.4	25.4	21.3	17.2	13.1	-	-
	67	37.0	3.1	33.2	28.1	24.1	20.1	16.1	-	33.3	3.3	31.4	27.2	22.5	18.4	14.4	-
	62	33.9	3.0	33.9	33.9	28.6	24.6	20.6	16.6	32.4	3.3	32.4	32.4	26.7	22.6	18.5	14.4
1050	57	47.3	3.2	23.7	19.1	14.4	-	-	-	44.0	3.5	24.2	18.1	13.4	-	-	-
	77	43.1	3.2	30.0	25.3	20.7	16.1	-	-	39.4	3.4	28.9	24.1	19.4	14.7	-	-
	72	38.8	3.1	36.2	31.6	26.9	22.3	17.7	-	34.8	3.3	33.5	30.1	25.4	20.6	15.9	-
	67	35.5	3.1	35.5	35.5	32.0	27.3	22.7	18.0	33.9	3.3	33.9	33.9	30.0	25.3	20.6	15.8
1225	62	34.9	3.1	34.9	34.9	31.1	26.5	21.8	17.2	32.2	3.3	32.2	32.2	28.3	23.5	18.8	14.1
	57	49.5	3.2	27.7	21.3	16.0	-	-	-	45.9	3.5	29.1	20.9	14.9	-	-	-
	77	45.0	3.2	33.5	28.2	22.9	17.6	-	-	41.1	3.4	32.3	27.0	21.6	16.2	-	-
	72	40.5	3.1	39.3	35.1	29.8	24.5	19.2	-	36.3	3.4	35.6	33.0	28.2	22.8	17.4	-
1400	67	37.1	3.1	37.1	37.1	35.3	30.0	24.8	19.5	35.3	3.3	35.3	35.3	33.4	28.0	22.6	17.2
	62	36.4	3.1	36.4	36.4	34.4	29.1	23.8	18.6	33.6	3.3	33.6	33.6	31.4	26.0	20.6	15.2
	57	51.6	3.3	31.6	23.4	17.5	-	-	-	47.8	3.5	33.9	23.7	16.4	-	-	-
	72	46.9	3.2	36.9	31.0	25.1	19.1	-	-	42.8	3.5	35.8	29.8	23.7	17.7	-	-
1515	67	42.3	3.1	42.3	38.6	32.6	26.7	20.8	-	37.8	3.4	37.8	35.9	31.0	25.0	18.9	-
	62	38.7	3.1	38.7	38.7	38.7	32.8	26.8	20.9	36.8	3.3	36.8	36.8	36.8	30.7	24.7	18.6
	57	38.0	3.1	38.0	38.0	37.7	31.8	25.8	19.9	34.9	3.3	34.9	34.9	34.6	28.5	22.5	16.4
	72	47.3	3.2	38.9	32.5	26.2	19.9	-	-	43.1	3.5	37.7	31.3	24.8	18.3	-	-
1630	67	42.6	3.2	42.6	40.5	34.1	27.8	21.5	-	38.0	3.4	38.0	37.0	32.4	26.0	19.5	-
	62	39.0	3.1	39.0	39.0	39.0	32.7	26.3	20.0	37.0	3.3	37.0	37.0	37.0	30.6	24.1	17.7
	57	38.3	3.1	38.3	38.3	38.1	31.8	25.5	19.2	35.2	3.3	35.2	35.2	35.0	28.6	22.1	15.6
	72	47.6	3.2	40.8	34.1	27.4	20.7	-	-	43.4	3.5	39.6	32.8	25.9	19.0	-	-
1630	67	42.9	3.2	42.9	42.4	35.7	29.0	22.3	-	38.3	3.4	38.3	38.1	33.8	27.0	20.1	-
	62	39.2	3.1	39.2	39.2	39.2	32.5	25.8	19.1	37.3	3.4	37.3	37.3	37.3	30.4	23.6	16.7
	57	38.5	3.1	38.5	38.5	38.5	31.8	25.1	18.4	35.5	3.4	35.5	35.5	35.5	28.6	21.7	14.8

**DNZ042 (3.5 Ton) (Continued)**

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				<b>115°F</b>						<b>125°F</b>							
875	77	39.1	3.8	18.9	13.9	10.9	-	-	-	36.1	4.1	20.4	11.9	9.9	-	-	-
	72	34.3	3.7	24.2	20.1	15.9	11.8	-	-	31.0	3.9	23.1	18.9	14.6	10.4	-	-
	67	29.6	3.6	29.6	26.3	20.9	16.8	12.6	-	25.8	3.8	25.8	25.8	19.3	15.1	10.9	-
	62	31.0	3.5	31.0	31.0	24.8	20.6	16.4	12.3	29.5	3.8	29.5	29.5	22.9	18.6	14.4	10.1
1050	57	40.7	3.8	24.7	17.2	12.4	-	-	-	37.5	4.1	26.4	16.6	11.4	-	-	-
	77	35.8	3.7	27.7	22.9	18.1	13.2	-	-	32.1	3.9	26.6	21.7	16.8	11.8	-	-
	72	30.8	3.6	30.8	28.6	23.8	18.9	14.1	-	26.8	3.8	26.8	26.8	22.2	17.3	12.3	-
	67	32.3	3.5	32.3	32.3	28.1	23.3	18.5	13.6	30.7	3.8	30.7	30.7	26.2	21.3	16.4	11.4
62	29.5	3.6	29.5	29.5	25.4	20.6	15.7	10.9	26.9	3.8	26.9	26.9	22.5	17.6	12.7	7.8	
1225	57	42.4	3.8	30.5	20.6	13.9	-	-	-	38.8	4.1	32.5	21.3	12.8	-	-	-
	77	37.2	3.7	31.2	25.7	20.2	14.7	-	-	33.3	4.0	30.1	24.5	18.9	13.3	-	-
	72	32.0	3.6	32.0	30.9	26.6	21.1	15.6	-	27.7	3.8	27.7	27.7	25.0	19.4	13.8	-
	67	33.6	3.6	33.6	33.6	31.5	26.0	20.5	15.0	31.8	3.8	31.8	31.8	29.6	24.0	18.3	12.7
62	30.7	3.6	30.7	30.7	28.4	22.9	17.4	11.9	27.8	3.8	27.8	27.8	25.4	19.8	14.2	8.6	
1400	57	44.0	3.8	36.2	23.9	15.3	-	-	-	40.2	4.1	38.5	26.0	14.3	-	-	-
	72	38.6	3.7	34.7	28.6	22.4	16.2	-	-	34.4	4.0	33.6	27.3	21.1	14.8	-	-
	67	33.2	3.6	33.2	33.2	29.4	23.3	17.1	-	28.7	3.8	28.7	28.7	27.8	21.6	15.3	-
	62	34.8	3.6	34.8	34.8	34.8	28.7	22.5	16.3	32.9	3.8	32.9	32.9	32.9	26.6	20.3	14.1
57	31.9	3.6	31.9	31.9	31.5	25.3	19.1	13.0	28.8	3.8	28.8	28.8	28.3	22.1	15.8	9.5	
1515	72	38.9	3.7	36.6	30.0	23.4	16.8	-	-	34.7	4.0	34.7	28.7	22.0	15.2	-	-
	67	33.5	3.6	33.5	33.5	30.7	24.1	17.5	-	29.0	3.9	29.0	29.0	29.0	22.3	15.5	-
	62	35.1	3.6	35.1	35.1	35.1	28.5	21.9	15.3	33.2	3.8	33.2	33.2	33.2	26.4	19.7	12.9
	57	32.1	3.6	32.1	32.1	31.9	25.3	18.7	12.1	29.1	3.8	29.1	29.1	28.8	22.1	15.3	8.5
1630	72	39.2	3.7	38.5	31.4	24.4	17.3	-	-	35.0	4.0	35.0	30.1	22.9	15.6	-	-
	67	33.8	3.6	33.8	33.8	32.0	25.0	17.9	-	29.2	3.9	29.2	29.2	29.2	23.0	15.8	-
	62	35.4	3.6	35.4	35.4	35.4	28.3	21.3	14.2	33.5	3.9	33.5	33.5	33.5	26.2	19.0	11.8
	57	32.4	3.6	32.4	32.4	32.4	25.3	18.3	11.2	29.3	3.9	29.3	29.3	29.3	22.1	14.8	7.6

1. These capacities are Net Capacities.
2. These ratings include the compressor, condenser fan and supply air blower motors.

**DNZ048 (4.0 Ton)**

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				<b>75°F</b>						<b>85°F</b>							
1000	77	53.0	2.7	26.5	21.2	16.8	-	-	-	52.6	3.1	24.9	20.8	16.3	-	-	-
	72	50.4	2.7	32.3	27.9	23.5	19.1	-	-	49.3	3.1	31.8	27.4	22.9	18.4	-	-
	67	47.8	2.7	38.1	34.6	30.2	25.8	21.4	-	46.0	3.1	38.8	33.9	29.5	25.0	20.5	-
	62	43.4	2.7	43.4	40.9	34.6	30.2	25.8	21.4	41.8	3.1	41.8	40.5	33.7	29.3	24.8	20.3
1200	77	55.6	2.7	28.7	23.6	18.6	-	-	-	54.5	3.2	28.3	23.2	18.0	-	-	-
	72	52.8	2.7	36.2	31.1	26.0	20.9	-	-	51.0	3.1	35.6	30.4	25.3	20.1	-	-
	67	50.1	2.7	43.6	38.5	33.4	28.4	23.3	-	47.6	3.1	42.9	37.7	32.5	27.4	22.2	-
	62	45.5	2.7	45.5	43.8	38.3	33.2	28.1	23.0	43.3	3.1	43.3	42.4	37.3	32.1	26.9	21.8
57	44.1	2.7	44.1	44.1	40.0	34.9	29.9	24.8	42.6	3.1	42.6	42.6	38.1	33.0	27.8	22.7	
1400	77	58.1	2.8	30.9	26.1	20.3	-	-	-	56.4	3.2	31.8	25.5	19.7	-	-	-
	72	55.3	2.8	40.0	34.3	28.5	22.7	-	-	52.8	3.2	39.3	33.5	27.6	21.8	-	-
	67	52.4	2.7	49.1	42.4	36.7	30.9	25.1	-	49.3	3.1	46.9	41.4	35.6	29.7	23.9	-
	62	47.6	2.8	47.6	46.7	42.0	36.2	30.4	24.7	44.8	3.1	44.8	44.4	40.8	34.9	29.1	23.2
57	46.1	2.7	46.1	46.1	43.9	38.1	32.4	26.6	44.0	3.1	44.0	44.0	41.7	35.9	30.0	24.2	
1600	77	60.7	2.8	33.1	28.6	22.1	-	-	-	58.3	3.2	35.2	27.9	21.4	-	-	-
	72	57.7	2.8	43.9	37.4	31.0	24.6	-	-	54.6	3.2	43.1	36.6	30.0	23.5	-	-
	67	54.7	2.8	54.7	46.3	39.9	33.4	27.0	-	50.9	3.2	50.9	45.2	38.7	32.1	25.6	-
	62	49.6	2.8	49.6	49.6	45.7	39.2	32.8	26.3	46.3	3.2	46.3	46.3	44.3	37.8	31.2	24.7
57	48.1	2.7	48.1	48.1	47.7	41.3	34.9	28.4	45.5	3.1	45.5	45.5	45.3	38.8	32.3	25.7	
1750	72	56.9	2.8	45.7	38.8	32.0	25.1	-	-	54.1	3.2	45.0	38.0	30.9	23.9	-	-
	67	53.9	2.8	53.9	48.2	41.1	34.2	27.3	-	50.5	3.1	50.5	46.9	39.8	32.8	25.8	-
	62	49.0	2.8	49.0	49.0	47.0	40.1	33.2	26.3	45.9	3.2	45.9	45.9	44.9	37.9	30.9	23.9
	57	47.5	2.7	47.5	47.5	47.3	40.4	33.5	26.6	45.1	3.1	45.1	45.1	45.1	38.1	31.0	24.0
1900	72	56.1	2.8	47.6	40.2	32.9	25.6	-	-	53.7	3.2	46.8	39.3	31.9	24.4	-	-
	67	53.2	2.7	53.2	50.0	42.3	35.0	27.7	-	50.1	3.1	50.1	48.5	41.0	33.6	26.1	-
	62	48.3	2.8	48.3	48.3	48.3	41.0	33.7	26.3	45.5	3.1	45.5	45.5	45.5	38.0	30.6	23.1
	57	46.8	2.7	46.8	46.8	46.8	39.5	32.2	24.8	44.8	3.1	44.8	44.8	44.8	37.3	29.8	22.3
				<b>95°F</b>						<b>105°F</b>							
1000	77	52.1	3.6	23.2	20.4	15.8	-	-	-	49.1	4.1	21.6	19.7	15.2	-	-	-
	72	48.1	3.5	31.3	26.8	22.3	17.7	-	-	45.2	4.1	30.3	25.8	21.4	16.9	-	-
	67	44.1	3.5	39.5	33.2	28.7	24.2	19.6	-	41.4	4.1	39.0	32.0	27.5	23.1	18.6	-
	62	40.1	3.5	40.1	40.1	32.9	28.3	23.8	19.3	38.1	4.1	38.1	38.1	31.2	26.8	22.3	17.8
1200	77	53.4	3.6	27.9	22.7	17.4	-	-	-	50.1	4.1	27.1	21.9	16.7	-	-	-
	72	49.3	3.5	35.0	29.8	24.5	19.3	-	-	46.2	4.1	33.9	28.7	23.5	18.3	-	-
	67	45.2	3.5	42.1	36.9	31.6	26.4	21.1	-	42.3	4.1	40.7	35.5	30.3	25.1	19.9	-
	62	41.0	3.5	41.0	41.0	36.2	31.0	25.8	20.5	38.9	4.1	38.9	38.9	34.3	29.1	23.9	18.7
57	41.1	3.5	41.1	41.1	36.3	31.0	25.8	20.5	39.3	4.1	39.3	39.3	34.5	29.3	24.1	18.9	
1400	77	54.6	3.6	32.6	25.0	19.0	-	-	-	51.1	4.1	32.6	24.1	18.2	-	-	-
	72	50.4	3.6	38.6	32.7	26.8	20.9	-	-	47.2	4.1	37.5	31.5	25.6	19.7	-	-
	67	46.2	3.5	44.7	40.5	34.5	28.6	22.7	-	43.2	4.1	42.4	38.9	33.0	27.1	21.1	-
	62	42.0	3.5	42.0	42.0	39.6	33.7	27.7	21.8	39.7	4.1	39.7	39.7	37.4	31.5	25.6	19.6
57	42.0	3.5	42.0	42.0	39.6	33.7	27.7	21.8	40.1	4.1	40.1	40.1	37.6	31.6	25.7	19.8	
1600	77	55.8	3.6	37.4	27.3	20.7	-	-	-	52.2	4.1	38.1	26.4	19.7	-	-	-
	72	51.5	3.6	42.3	35.7	29.1	22.4	-	-	48.1	4.1	41.1	34.4	27.7	21.1	-	-
	67	47.2	3.5	47.2	44.1	37.5	30.8	24.2	-	44.1	4.1	44.1	42.4	35.7	29.1	22.4	-
	62	42.9	3.5	42.9	42.9	42.9	36.3	29.7	23.1	40.5	4.1	40.5	40.5	40.5	33.8	27.2	20.5
57	42.9	3.5	42.9	42.9	42.9	36.3	29.7	23.1	40.9	4.1	40.9	40.9	40.7	34.0	27.4	20.7	
1750	72	51.4	3.6	44.2	37.1	29.9	22.8	-	-	48.0	4.1	43.1	36.0	28.8	21.7	-	-
	67	47.1	3.5	47.1	45.5	38.6	31.5	24.4	-	43.9	4.1	43.9	43.1	37.2	30.0	22.8	-
	62	42.8	3.5	42.8	42.8	42.8	35.7	28.6	21.4	40.4	4.0	40.4	40.4	40.4	33.2	26.0	18.9
	57	42.8	3.5	42.8	42.8	42.8	35.7	28.6	21.5	40.8	4.1	40.8	40.8	40.7	33.5	26.3	19.1
1900	72	51.2	3.6	46.1	38.4	30.8	23.2	-	-	47.8	4.1	45.2	37.6	30.0	22.3	-	-
	67	47.0	3.5	47.0	47.0	39.7	32.1	24.5	-	43.8	4.1	43.8	43.8	38.6	30.9	23.3	-
	62	42.7	3.5	42.7	42.7	42.7	35.1	27.5	19.8	40.2	4.0	40.2	40.2	40.2	32.6	24.9	17.2
	57	42.7	3.5	42.7	42.7	42.7	35.1	27.5	19.9	40.6	4.1	40.6	40.6	40.6	32.9	25.3	17.6



**DNZ048 (4.0 Ton) (Continued)**

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				<b>115°F</b>						<b>125°F</b>							
1000	77	46.0	4.7	20.1	19.0	14.6	-	-	-	42.9	5.3	20.4	17.6	13.9	-	-	-
	72	42.3	4.7	29.2	24.9	20.5	16.1	-	-	39.4	5.3	28.2	23.9	19.6	15.3	-	-
	67	38.7	4.6	38.4	30.8	26.4	22.0	17.6	-	36.0	5.2	36.0	29.5	25.2	20.9	16.6	-
	62	36.1	4.6	36.1	36.1	29.6	25.2	20.8	16.4	34.0	5.2	34.0	34.0	27.9	23.6	19.3	15.0
1200	77	46.8	4.7	26.3	21.1	16.0	-	-	-	43.6	5.3	26.8	20.4	15.2	-	-	-
	72	43.1	4.7	32.8	27.6	22.4	17.3	-	-	40.1	5.2	31.7	26.5	21.4	16.3	-	-
	67	39.4	4.6	39.2	34.1	28.9	23.8	18.6	-	36.5	5.2	36.5	32.7	27.6	22.5	17.3	-
	62	36.7	4.6	36.7	36.7	32.4	27.2	22.1	16.9	34.6	5.2	34.6	34.6	30.5	25.4	20.2	15.1
	57	37.4	4.6	37.4	37.4	32.7	27.5	22.4	17.2	35.6	5.2	35.6	35.6	30.9	25.8	20.7	15.5
1400	77	47.7	4.7	32.5	23.3	17.4	-	-	-	44.3	5.3	33.1	23.1	16.5	-	-	-
	72	43.9	4.7	36.3	30.4	24.4	18.5	-	-	40.7	5.2	35.1	29.2	23.2	17.3	-	-
	67	40.1	4.6	40.1	37.4	31.5	25.5	19.6	-	37.1	5.2	37.1	35.9	29.9	24.0	18.1	-
	62	37.4	4.6	37.4	37.4	35.3	29.3	23.4	17.4	35.1	5.1	35.1	35.1	33.1	27.2	21.2	15.3
	57	38.1	4.6	38.1	38.1	35.6	29.6	23.7	17.8	36.2	5.1	36.2	36.2	33.5	27.6	21.7	15.7
1600	77	48.6	4.7	38.8	25.5	18.8	-	-	-	45.0	5.2	39.4	25.9	17.8	-	-	-
	72	44.7	4.7	39.8	33.1	26.4	19.7	-	-	41.3	5.2	38.6	31.8	25.1	18.3	-	-
	67	40.9	4.6	40.9	40.7	34.0	27.3	20.6	-	37.7	5.1	37.7	37.7	32.3	25.5	18.8	-
	62	38.1	4.6	38.1	38.1	38.1	31.4	24.7	18.0	35.7	5.1	35.7	35.7	35.7	28.9	22.2	15.4
	57	38.8	4.6	38.8	38.8	38.4	31.7	25.0	18.3	36.8	5.1	36.8	36.8	36.2	29.4	22.7	15.9
1750	72	44.5	4.7	42.1	35.0	27.7	20.5	-	-	41.1	5.2	41.0	33.9	26.6	19.4	-	-
	67	40.7	4.6	40.7	40.6	35.7	28.5	21.3	-	37.5	5.1	37.5	37.5	34.3	27.0	19.8	-
	62	38.0	4.6	38.0	38.0	38.0	30.7	23.5	16.3	35.5	5.1	35.5	35.5	35.5	28.3	21.0	13.7
	57	38.7	4.6	38.7	38.7	38.5	31.3	24.0	16.8	36.6	5.1	36.6	36.6	36.3	29.0	21.8	14.5
1900	72	44.4	4.6	44.4	36.8	29.1	21.3	-	-	40.9	5.2	40.9	36.0	28.2	20.4	-	-
	67	40.6	4.6	40.6	40.6	37.5	29.7	22.0	-	37.3	5.1	37.3	37.3	36.3	28.6	20.8	-
	62	37.8	4.6	37.8	37.8	37.8	30.1	22.3	14.6	35.4	5.1	35.4	35.4	35.4	27.6	19.8	12.0
	57	38.5	4.6	38.5	38.5	38.5	30.8	23.1	15.3	36.4	5.1	36.4	36.4	36.4	28.6	20.9	13.1

1. These capacities are Net Capacities.
2. These ratings include the compressor, condenser fan and supply air blower motors.

## DNZ060 (5.0 Ton)

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				75°F						85°F							
1375	77	67.6	3.6	34.0	27.8	22.5	-	-	-	65.0	4.0	32.3	26.7	21.1	-	-	-
	72	62.2	3.5	40.4	35.1	29.8	24.6	-	-	60.3	4.0	40.1	34.5	28.9	23.3	-	-
	67	56.9	3.4	46.7	42.4	37.1	31.8	26.6	-	55.6	3.9	47.9	42.3	36.7	31.1	25.5	-
	62	52.9	3.4	52.9	52.9	44.9	39.6	34.4	29.1	51.5	3.9	51.5	51.5	43.9	38.3	32.7	27.1
1500	77	70.0	3.5	36.3	30.4	24.5	-	-	-	66.5	4.0	34.9	28.8	22.7	-	-	-
	72	64.5	3.5	44.2	38.3	32.4	26.6	-	-	61.7	4.0	43.3	37.2	31.2	25.1	-	-
	67	59.0	3.4	52.2	46.3	40.4	34.5	28.6	-	56.9	3.9	51.7	45.7	39.6	33.5	27.4	-
	62	54.8	3.4	54.8	54.8	48.9	43.0	37.1	31.2	52.7	3.9	52.7	52.7	47.3	41.2	35.1	29.1
	57	53.6	3.4	53.6	53.6	49.3	43.5	37.6	31.7	52.6	3.9	52.6	52.6	47.5	41.4	35.3	29.2
1625	77	72.5	3.5	38.5	32.9	26.5	-	-	-	68.0	4.0	37.5	30.9	24.4	-	-	-
	72	66.8	3.5	48.0	41.6	35.1	28.6	-	-	63.1	3.9	46.5	40.0	33.4	26.9	-	-
	67	61.1	3.4	57.6	50.2	43.7	37.2	30.7	-	58.2	3.9	55.6	49.0	42.4	35.9	29.3	-
	62	56.8	3.4	56.8	56.8	52.8	46.3	39.8	33.3	53.9	3.9	53.9	53.9	50.7	44.1	37.6	31.0
	57	55.5	3.4	55.5	55.5	53.3	46.8	40.4	33.9	53.8	3.9	53.8	53.8	50.9	44.3	37.8	31.2
1750	77	75.0	3.5	40.7	35.5	28.4	-	-	-	69.5	4.0	40.1	33.1	26.0	-	-	-
	72	69.1	3.5	51.9	44.8	37.7	30.6	-	-	64.5	3.9	49.7	42.7	35.7	28.6	-	-
	67	63.2	3.4	63.1	54.1	47.0	39.9	32.8	-	59.4	3.9	59.4	52.3	45.3	38.3	31.2	-
	62	58.8	3.4	58.8	58.8	56.8	49.7	42.6	35.5	55.1	3.9	55.1	55.1	54.1	47.1	40.0	33.0
	57	57.5	3.4	57.5	57.5	57.3	50.2	43.1	36.0	55.0	3.9	55.0	55.0	54.3	47.3	40.2	33.2
1875	72	68.5	3.5	52.6	45.0	37.3	29.7	-	-	64.5	3.9	50.7	43.2	35.7	28.1	-	-
	67	62.7	3.4	62.6	54.1	46.5	38.9	31.3	-	59.4	3.9	59.4	52.8	45.3	37.8	30.2	-
	62	58.2	3.4	58.2	58.2	56.2	48.6	41.0	33.4	55.1	3.9	55.1	55.1	54.1	46.6	39.0	31.5
	57	57.0	3.4	57.0	57.0	56.8	49.2	41.6	34.0	55.0	3.9	55.0	55.0	54.3	46.8	39.2	31.7
2000	72	67.9	3.5	53.2	45.1	37.0	28.9	-	-	64.5	3.9	51.7	43.7	35.7	27.6	-	-
	67	62.1	3.4	62.1	54.2	46.1	38.0	29.8	-	59.4	3.9	59.4	53.3	45.3	37.3	29.2	-
	62	57.7	3.4	57.7	57.7	55.7	47.6	39.5	31.4	55.1	3.9	55.1	55.1	54.1	46.1	38.0	30.0
	57	56.4	3.4	56.4	56.4	56.3	48.2	40.0	31.9	55.0	3.9	55.0	55.0	54.3	46.3	38.2	30.2
				95°F						105°F							
1375	77	62.5	4.4	30.6	25.6	19.7	-	-	-	59.6	5.2	29.3	24.8	18.8	-	-	-
	72	58.4	4.4	39.8	33.9	28.0	22.1	-	-	55.2	5.1	38.7	32.8	26.8	20.8	-	-
	67	54.3	4.4	49.1	42.3	36.3	30.4	24.5	-	50.8	5.1	48.2	40.8	34.8	28.8	22.9	-
	62	50.2	4.4	50.2	50.2	42.8	36.9	31.0	25.1	47.8	5.1	47.8	47.8	40.5	34.5	28.5	22.5
1500	77	63.0	4.4	33.5	27.3	21.0	-	-	-	60.1	5.1	33.4	26.5	20.1	-	-	-
	72	58.9	4.4	42.4	36.2	29.9	23.6	-	-	55.7	5.1	41.5	35.1	28.7	22.3	-	-
	67	54.8	4.4	51.3	45.0	38.8	32.5	26.2	-	51.2	5.1	49.5	43.7	37.3	30.9	24.5	-
	62	50.6	4.4	50.6	50.6	45.7	39.4	33.2	26.9	48.2	5.1	48.2	48.2	43.3	37.0	30.6	24.2
	57	51.6	4.3	51.6	51.6	45.6	39.3	33.0	26.8	48.9	5.0	48.9	48.9	43.1	36.7	30.3	24.0
1625	77	63.5	4.4	36.5	28.9	22.3	-	-	-	60.7	5.1	37.5	28.3	21.5	-	-	-
	72	59.4	4.4	45.0	38.4	31.8	25.1	-	-	56.2	5.1	44.2	37.4	30.6	23.8	-	-
	67	55.2	4.4	53.5	47.8	41.2	34.6	28.0	-	51.7	5.1	50.8	46.5	39.8	33.0	26.2	-
	62	51.0	4.4	51.0	51.0	48.6	41.9	35.3	28.7	48.6	5.1	48.6	48.6	46.2	39.4	32.6	25.9
	57	52.0	4.4	52.0	52.0	48.4	41.8	35.2	28.6	49.4	5.0	49.4	49.4	45.9	39.2	32.4	25.6
1750	77	64.0	4.4	39.5	30.6	23.6	-	-	-	61.2	5.1	41.6	30.0	22.8	-	-	-
	72	59.8	4.4	47.6	40.6	33.6	26.7	-	-	56.6	5.1	46.9	39.7	32.5	25.4	-	-
	67	55.7	4.4	55.7	50.6	43.6	36.7	29.7	-	52.1	5.0	52.1	49.4	42.2	35.1	27.9	-
	62	51.4	4.4	51.4	51.4	51.4	44.4	37.5	30.5	49.1	5.0	49.1	49.1	49.1	41.9	34.7	27.5
	57	52.5	4.4	52.5	52.5	51.3	44.3	37.4	30.4	49.8	5.0	49.8	49.8	48.8	41.6	34.4	27.3
1875	72	60.4	4.4	48.9	41.4	34.0	26.5	-	-	56.9	5.1	48.1	40.4	32.7	25.0	-	-
	67	56.2	4.4	56.2	51.6	44.1	36.6	29.1	-	52.4	5.0	52.4	50.0	42.5	34.8	27.1	-
	62	51.9	4.4	51.9	51.9	51.9	44.5	37.0	29.5	49.3	5.0	49.3	49.3	49.3	41.6	34.0	26.3
	57	53.0	4.4	53.0	53.0	51.8	44.4	36.9	29.4	50.1	5.0	50.1	50.1	49.1	41.4	33.7	26.0
2000	72	61.1	4.4	50.3	42.3	34.3	26.3	-	-	57.3	5.1	49.3	41.1	32.9	24.7	-	-
	67	56.8	4.4	56.8	52.5	44.5	36.6	28.6	-	52.7	5.0	52.7	50.5	42.7	34.5	26.3	-
	62	52.5	4.4	52.5	52.5	52.5	44.5	36.5	28.6	49.6	5.0	49.6	49.6	49.6	41.4	33.2	25.0
	57	53.5	4.4	53.5	53.5	52.3	44.4	36.4	28.4	50.3	5.0	50.3	50.3	49.3	41.1	32.9	24.7

**DNZ060 (5.0 Ton) (Continued)**

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
		Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
<b>115°F</b>										<b>125°F</b>							
1375	77	56.7	5.9	28.1	24.0	17.9	-	-	-	53.9	6.6	29.4	22.1	17.1	-	-	-
	72	52.0	5.8	37.6	31.6	25.6	19.6	-	-	48.8	6.5	36.5	30.5	24.4	18.3	-	-
	67	47.2	5.7	47.2	39.3	33.3	27.3	21.2	-	43.7	6.4	43.7	37.8	31.7	25.7	19.6	-
	62	45.4	5.8	45.4	45.4	38.1	32.1	26.0	20.0	43.1	6.5	43.1	43.1	35.7	29.6	23.6	17.5
1500	77	57.3	5.9	33.3	25.8	19.3	-	-	-	54.4	6.6	34.9	25.0	18.5	-	-	-
	72	52.5	5.8	40.5	34.0	27.5	21.1	-	-	49.3	6.5	39.5	33.0	26.4	19.8	-	-
	67	47.7	5.7	47.7	42.3	35.8	29.3	22.9	-	44.1	6.4	44.1	40.9	34.3	27.7	21.2	-
	62	45.9	5.8	45.9	45.9	41.0	34.5	28.0	21.5	43.5	6.5	43.5	43.5	38.6	32.0	25.4	18.9
	57	46.3	5.7	46.3	46.3	40.6	34.1	27.6	21.2	43.6	6.4	43.6	43.6	38.1	31.5	24.9	18.4
1625	77	57.8	5.8	38.6	27.6	20.7	-	-	-	55.0	6.5	40.4	27.9	19.8	-	-	-
	72	53.0	5.8	43.3	36.4	29.5	22.6	-	-	49.8	6.4	42.5	35.4	28.4	21.3	-	-
	67	48.1	5.7	48.1	45.2	38.3	31.4	24.5	-	44.6	6.3	44.6	43.9	36.9	29.8	22.7	-
	62	46.3	5.7	46.3	46.3	43.8	36.9	30.0	23.1	43.9	6.4	43.9	43.9	41.5	34.4	27.3	20.2
	57	46.7	5.7	46.7	46.7	43.4	36.5	29.6	22.7	44.0	6.4	44.0	44.0	40.9	33.9	26.8	19.7
1750	77	58.3	5.8	43.8	29.4	22.0	-	-	-	55.5	6.5	46.0	30.8	21.2	-	-	-
	72	53.4	5.7	46.2	38.8	31.4	24.0	-	-	50.2	6.4	45.5	37.9	30.3	22.7	-	-
	67	48.6	5.7	48.6	48.2	40.8	33.5	26.1	-	45.0	6.3	45.0	45.0	39.4	31.9	24.3	-
	62	46.7	5.7	46.7	46.7	46.7	39.3	32.0	24.6	44.4	6.4	44.4	44.4	44.4	36.8	29.2	21.6
	57	47.1	5.7	47.1	47.1	46.3	38.9	31.5	24.2	44.5	6.3	44.5	44.5	43.8	36.2	28.6	21.0
1875	72	53.4	5.7	47.2	39.3	31.4	23.5	-	-	49.9	6.4	46.4	38.3	30.2	22.0	-	-
	67	48.6	5.7	48.6	48.4	40.8	32.9	25.0	-	44.7	6.3	44.7	44.7	39.2	31.1	23.0	-
	62	46.7	5.7	46.7	46.7	46.7	38.8	30.9	23.0	44.1	6.4	44.1	44.1	44.1	36.0	27.9	19.7
	57	47.1	5.7	47.1	47.1	46.3	38.4	30.5	22.6	44.2	6.3	44.2	44.2	43.5	35.4	27.3	19.2
2000	72	53.4	5.7	48.3	39.9	31.4	23.0	-	-	49.6	6.4	47.3	38.6	30.0	21.3	-	-
	67	48.6	5.7	48.6	48.6	40.8	32.4	24.0	-	44.4	6.3	44.4	44.4	39.0	30.3	21.7	-
	62	46.7	5.7	46.7	46.7	46.7	38.3	29.9	21.4	43.8	6.4	43.8	43.8	43.8	35.2	26.5	17.9
	57	47.1	5.7	47.1	47.1	46.3	37.9	29.4	21.0	43.9	6.3	43.9	43.9	43.3	34.6	25.9	17.3

1. These capacities are Net Capacities.
2. These ratings include the compressor, condenser fan and supply air blower motors.

**DNQ024-060 Cooling Capacities**

**DNQ024 (2.0 Ton)**

Air on Evaporator Coil		Temperature of Air on Condenser Coil																	
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)							
				Return Dry Bulb (°F)								Return Dry Bulb (°F)							
				90	85	80	75	70	65			90	85	80	75	70	65		
		<b>75°F</b>									<b>85°F</b>								
600	77	34.0	1.5	10.5	8.0	5.6	-	-	-	30.5	1.7	11.9	9.4	6.9	-	-	-		
	72	30.5	1.5	16.4	14.0	11.5	9.1	-	-	27.7	1.7	16.7	14.2	11.7	9.3	-	-		
	67	27.0	1.6	22.3	19.9	17.5	15.0	12.6	-	25.0	1.7	21.5	19.0	16.5	14.1	11.6	-		
	62	24.4	1.6	24.4	19.7	17.0	14.5	12.1	9.7	22.6	1.7	22.6	20.3	17.8	15.3	12.8	10.4		
	57	25.1	1.6	25.1	21.5	18.8	16.4	13.9	11.5	22.9	1.7	22.9	21.2	18.7	16.2	13.7	11.3		
700	77	35.0	1.5	12.7	9.5	6.8	-	-	-	31.5	1.7	13.8	10.7	7.9	-	-	-		
	72	31.4	1.5	19.1	16.4	13.8	11.1	-	-	28.6	1.7	18.9	16.2	13.4	10.7	-	-		
	67	27.8	1.6	25.4	23.4	20.8	18.1	15.5	-	25.7	1.7	24.0	21.7	18.9	16.2	13.4	-		
	62	25.0	1.6	25.0	22.7	20.3	17.7	15.1	12.4	23.3	1.7	23.3	22.1	20.3	17.6	14.8	12.1		
	57	25.8	1.6	25.8	24.0	22.4	19.8	17.1	14.5	23.7	1.7	23.7	22.8	21.4	18.6	15.9	13.1		
800	77	35.9	1.5	15.0	10.9	8.0	-	-	-	32.4	1.7	15.8	11.9	8.9	-	-	-		
	72	32.2	1.6	21.8	18.9	16.0	13.2	-	-	29.5	1.7	21.1	18.1	15.1	12.1	-	-		
	67	28.5	1.6	28.5	26.9	24.1	21.2	18.3	-	26.5	1.7	26.5	24.3	21.3	18.3	15.3	-		
	62	25.7	1.6	25.7	25.7	23.7	20.9	18.0	15.2	24.0	1.7	24.0	24.0	22.9	19.9	16.9	13.8		
	57	26.4	1.6	26.4	26.4	26.1	23.2	20.4	17.5	24.4	1.7	24.4	24.4	24.1	21.1	18.0	15.0		
900	72	33.0	1.5	22.3	18.9	15.5	12.1	-	-	29.8	1.7	21.9	18.5	15.1	11.7	-	-		
	67	29.2	1.6	29.2	26.7	23.4	20.0	16.6	-	26.8	1.7	26.8	24.7	21.3	17.9	14.5	-		
	62	26.3	1.6	26.3	26.3	23.7	20.3	16.9	13.6	24.3	1.7	24.3	24.3	22.9	19.5	16.1	12.7		
	57	27.1	1.6	27.1	27.1	26.1	22.7	19.3	15.9	24.6	1.7	24.6	24.6	24.1	20.7	17.3	13.9		
			<b>95°F</b>									<b>105°F</b>							
600	77	27.0	1.9	13.3	10.8	8.3	-	-	-	25.1	2.0	13.3	10.4	7.9	-	-	-		
	72	25.0	1.9	17.0	14.5	12.0	9.4	-	-	22.7	2.0	16.3	13.7	11.2	8.7	-	-		
	67	22.9	1.9	20.7	18.2	15.6	13.1	10.6	-	20.4	2.0	19.2	17.1	14.6	12.1	9.6	-		
	62	20.8	1.8	20.8	20.8	18.6	16.1	13.6	11.0	19.0	2.0	19.0	19.0	16.9	14.4	11.9	9.4		
	57	20.8	1.8	20.8	20.8	18.6	16.1	13.6	11.1	19.1	2.0	19.1	19.1	17.0	14.5	12.0	9.4		
800	77	27.9	1.9	14.9	11.9	9.0	-	-	-	25.8	2.0	15.4	11.5	8.6	-	-	-		
	72	25.8	1.9	18.8	15.9	13.1	10.2	-	-	23.3	2.0	17.9	15.0	12.2	9.4	-	-		
	67	23.7	1.9	22.6	19.9	17.1	14.3	11.4	-	20.9	2.0	20.3	18.6	15.9	13.1	10.3	-		
	62	21.6	1.8	21.6	21.6	20.3	17.5	14.6	11.8	19.6	2.0	19.6	19.6	18.4	15.6	12.8	10.0		
	57	21.6	1.8	21.6	21.6	20.3	17.5	14.6	11.8	19.6	2.0	19.6	19.6	18.5	15.7	12.9	10.0		
800	77	28.9	1.9	16.5	13.0	9.8	-	-	-	26.4	2.1	17.4	12.6	9.2	-	-	-		
	72	26.7	1.9	20.5	17.3	14.2	11.0	-	-	23.9	2.0	19.4	16.3	13.2	10.1	-	-		
	67	24.5	1.9	24.5	21.7	18.6	15.4	12.2	-	21.4	2.0	21.4	20.1	17.2	14.1	11.0	-		
	62	22.3	1.8	22.3	22.3	22.0	18.9	15.7	12.5	20.1	2.0	20.1	20.1	19.9	16.8	13.7	10.6		
	57	22.3	1.8	22.3	22.3	22.1	18.9	15.7	12.5	20.1	2.0	20.1	20.1	20.0	16.9	13.8	10.6		
900	72	26.6	1.9	21.5	18.1	14.7	11.3	-	-	24.0	2.0	20.4	17.0	13.7	10.4	-	-		
	67	24.4	1.9	24.4	22.7	19.3	15.8	12.4	-	21.5	2.0	21.5	20.6	17.8	14.5	11.2	-		
	62	22.2	1.8	22.2	22.2	22.1	18.7	15.3	11.9	20.1	2.0	20.1	20.1	20.0	16.7	13.3	10.0		
	57	22.2	1.8	22.2	22.2	22.1	18.7	15.3	11.9	20.2	2.0	20.2	20.2	20.1	16.7	13.4	10.1		

**DNQ024 (2.0 Ton) (Continued)**

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
		Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
Return Dry Bulb (°F)						Return Dry Bulb (°F)											
90	85			80	75	70	65	90	85			80	75	70	65		
		<b>115°F</b>								<b>125°F</b>							
600	77	23.2	2.2	13.2	10.0	7.5	-	-	-	21.3	2.4	14.3	9.5	7.0	-	-	-
	72	20.5	2.2	15.5	13.0	10.5	8.0	-	-	18.3	2.3	14.8	12.3	9.8	7.3	-	-
	67	17.8	2.1	17.8	16.1	13.6	11.1	8.6	-	15.3	2.3	15.3	15.0	12.5	10.1	7.6	-
	62	17.3	2.1	17.3	17.3	15.3	12.8	10.3	7.8	15.5	2.2	15.5	15.5	13.6	11.1	8.6	6.1
	57	17.4	2.1	17.4	17.4	15.3	12.8	10.3	7.8	15.7	2.2	15.7	15.7	13.7	11.2	8.7	6.2
700	77	23.6	2.2	15.8	11.1	8.1	-	-	-	21.4	2.4	16.8	11.4	7.6	-	-	-
	72	20.9	2.2	16.9	14.2	11.4	8.6	-	-	18.4	2.3	16.0	13.3	10.6	7.8	-	-
	67	18.1	2.1	18.1	17.2	14.7	11.9	9.1	-	15.3	2.3	15.3	15.3	13.5	10.8	8.0	-
	62	17.5	2.1	17.5	17.5	16.5	13.8	11.0	8.2	15.5	2.3	15.5	15.5	14.7	11.9	9.2	6.4
	57	17.7	2.1	17.7	17.7	16.6	13.8	11.1	8.3	15.7	2.2	15.7	15.7	14.8	12.0	9.3	6.5
800	77	24.0	2.2	18.4	12.2	8.7	-	-	-	21.5	2.4	19.3	13.3	8.1	-	-	-
	72	21.2	2.2	18.4	15.3	12.3	9.2	-	-	18.4	2.3	17.3	14.3	11.3	8.3	-	-
	67	18.4	2.1	18.4	18.4	15.8	12.8	9.7	-	15.3	2.3	15.3	15.3	14.5	11.5	8.5	-
	62	17.8	2.1	17.8	17.8	17.8	14.8	11.7	8.6	15.6	2.3	15.6	15.6	15.6	12.7	9.7	6.7
	57	18.0	2.1	18.0	18.0	17.9	14.8	11.8	8.7	15.8	2.3	15.8	15.8	15.8	12.8	9.8	6.8
900	72	21.3	2.2	19.2	16.0	12.7	9.4	-	-	18.7	2.3	18.1	14.9	11.7	8.5	-	-
	67	18.5	2.2	18.5	18.5	16.4	13.1	9.9	-	15.6	2.3	15.6	15.6	15.0	11.8	8.6	-
	62	17.9	2.1	17.9	17.9	17.9	14.7	11.4	8.2	15.8	2.3	15.8	15.8	15.8	12.7	9.5	6.3
	57	18.1	2.1	18.1	18.1	18.1	14.8	11.5	8.3	16.1	2.3	16.1	16.1	16.1	12.9	9.7	6.5

1. These capacities are Net Capacities.
2. These ratings include the compressor, condenser fan and supply air blower motors.



## DNQ030 (2.5 Ton)

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				75°F						85°F							
900	77	37.7	1.7	19.0	15.4	11.9	-	-	-	36.6	1.9	18.7	15.1	11.5	-	-	-
	72	35.1	1.7	24.4	20.9	17.3	13.8	-	-	33.7	1.9	24.0	20.4	16.8	13.2	-	-
	67	32.5	1.7	29.9	26.3	22.8	19.2	15.7	-	30.9	1.9	29.3	25.7	22.1	18.5	14.9	-
	62	30.4	1.7	30.4	30.4	27.9	24.3	20.8	17.2	29.1	1.9	29.1	29.1	26.8	23.2	19.6	16.0
	57	30.0	1.7	30.0	30.0	27.7	24.2	20.6	17.1	29.1	1.9	29.1	29.1	27.0	23.4	19.8	16.2
1000	77	39.8	1.7	19.6	17.1	13.3	-	-	-	38.1	1.9	20.5	16.6	12.8	-	-	-
	72	37.0	1.7	26.9	23.2	19.4	15.6	-	-	35.2	1.9	26.4	22.5	18.7	14.8	-	-
	67	34.3	1.7	34.3	29.3	25.5	21.7	17.9	-	32.3	1.9	32.3	28.4	24.6	20.7	16.9	-
	62	32.0	1.7	32.0	32.0	31.2	27.4	23.7	19.9	30.3	1.9	30.3	30.3	29.8	26.0	22.2	18.3
	57	31.6	1.7	31.6	31.6	31.0	27.2	23.5	19.7	30.3	1.9	30.3	30.3	30.0	26.2	22.4	18.5
1125	72	37.3	1.7	28.7	24.5	20.3	16.1	-	-	35.5	1.9	28.1	23.9	19.6	15.3	-	-
	67	34.6	1.7	34.6	30.9	26.7	22.5	18.2	-	32.6	1.9	32.6	30.1	25.8	21.5	17.2	-
	62	32.2	1.7	32.2	32.2	31.9	27.6	23.4	19.2	30.6	1.9	30.6	30.6	30.4	26.1	21.8	17.6
	57	31.9	1.7	31.9	31.9	31.6	27.3	23.1	18.9	30.6	1.9	30.6	30.6	30.5	26.2	21.9	17.7
1250	72	37.6	1.7	30.5	25.8	21.2	16.5	-	-	35.9	1.9	29.9	25.2	20.5	15.8	-	-
	67	34.8	1.7	34.8	32.5	27.8	23.2	18.5	-	32.9	1.9	32.9	31.7	27.0	22.3	17.5	-
	62	32.5	1.7	32.5	32.5	32.5	27.8	23.2	18.5	30.9	1.9	30.9	30.9	30.9	26.2	21.5	16.8
	57	32.1	1.7	32.1	32.1	32.1	27.5	22.8	18.1	30.9	1.9	30.9	30.9	30.9	26.2	21.5	16.8
				95°F						105°F							
900	77	35.4	2.1	18.4	14.8	11.1	-	-	-	33.0	2.4	18.5	14.0	10.3	-	-	-
	72	32.3	2.1	23.6	19.9	16.3	12.7	-	-	30.2	2.4	22.8	19.1	15.5	11.9	-	-
	67	29.3	2.1	28.8	25.1	21.5	17.8	14.2	-	27.3	2.4	27.0	24.3	20.7	17.0	13.4	-
	62	27.8	2.1	27.8	27.8	25.8	22.1	18.5	14.9	26.1	2.4	26.1	26.1	24.1	20.4	16.8	13.2
	57	28.2	2.1	28.2	28.2	26.4	22.7	19.1	15.4	26.7	2.4	26.7	26.7	24.8	21.2	17.6	13.9
1000	77	36.4	2.1	21.3	16.2	12.3	-	-	-	34.0	2.4	21.9	15.4	11.4	-	-	-
	72	33.3	2.1	25.8	21.9	18.0	14.1	-	-	31.0	2.4	25.0	21.1	17.1	13.2	-	-
	67	30.2	2.1	30.2	27.6	23.7	19.8	15.9	-	28.1	2.4	28.1	26.7	22.9	18.9	15.0	-
	62	28.7	2.1	28.7	28.7	28.4	24.5	20.6	16.7	26.8	2.4	26.8	26.8	26.6	22.7	18.8	14.9
	57	29.1	2.1	29.1	29.1	29.1	25.2	21.3	17.4	27.5	2.4	27.5	27.5	27.5	23.5	19.6	15.7
1125	72	33.7	2.1	27.6	23.2	18.9	14.6	-	-	31.3	2.4	26.8	22.4	18.0	13.7	-	-
	67	30.6	2.1	30.6	29.2	24.9	20.6	16.2	-	28.4	2.4	28.4	27.7	24.1	19.7	15.3	-
	62	29.0	2.1	29.0	29.0	28.9	24.6	20.2	15.9	27.1	2.4	27.1	27.1	27.0	22.6	18.2	13.9
	57	29.4	2.1	29.4	29.4	29.4	25.1	20.7	16.4	27.7	2.4	27.7	27.7	27.7	23.4	19.0	14.6
1250	72	34.1	2.1	29.4	24.6	19.8	15.0	-	-	31.7	2.4	28.7	23.8	19.0	14.1	-	-
	67	31.0	2.1	31.0	30.9	26.1	21.3	16.6	-	28.7	2.4	28.7	28.6	25.3	20.4	15.6	-
	62	29.4	2.1	29.4	29.4	29.4	24.6	19.8	15.1	27.4	2.4	27.4	27.4	27.4	22.5	17.7	12.8
	57	29.8	2.1	29.8	29.8	29.8	25.0	20.2	15.4	28.0	2.4	28.0	28.0	28.0	23.2	18.3	13.5

**DNQ030 (2.5 Ton) (Continued)**

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				<b>115°F</b>						<b>125°F</b>							
900	77	30.7	2.7	18.6	13.1	9.5	-	-	-	28.4	3.0	19.0	12.3	8.7	-	-	-
	72	28.0	2.7	21.9	18.3	14.7	11.1	-	-	25.8	3.0	21.1	17.5	13.9	10.3	-	-
	67	25.2	2.7	25.2	23.5	19.8	16.2	12.6	-	23.1	3.0	23.1	22.6	19.0	15.4	11.8	-
	62	24.3	2.7	24.3	24.3	22.4	18.7	15.1	11.5	22.5	3.0	22.5	22.5	20.6	17.0	13.4	9.8
	57	25.2	2.7	25.2	25.2	23.3	19.7	16.1	12.4	23.7	3.0	23.7	23.7	21.7	18.1	14.5	10.9
1000	77	31.5	2.7	22.5	14.6	10.6	-	-	-	29.1	3.0	23.0	15.1	9.7	-	-	-
	72	28.7	2.7	24.2	20.2	16.3	12.4	-	-	26.4	3.0	23.4	19.4	15.5	11.5	-	-
	67	25.9	2.7	25.9	25.9	22.0	18.1	14.2	-	23.7	3.0	23.7	23.7	21.2	17.3	13.3	-
	62	25.0	2.7	25.0	25.0	24.8	20.9	17.0	13.0	23.1	3.0	23.1	23.1	23.0	19.1	15.1	11.2
	57	25.9	2.7	25.9	25.9	25.9	21.9	18.0	14.1	24.3	3.0	24.3	24.3	24.3	20.3	16.3	12.4
1125	72	29.0	2.7	26.1	21.6	17.2	12.8	-	-	26.6	3.0	25.3	20.8	16.4	11.9	-	-
	67	26.1	2.7	26.1	26.1	23.3	18.8	14.4	-	23.9	3.0	23.9	23.9	22.4	18.0	13.5	-
	62	25.2	2.7	25.2	25.2	25.1	20.7	16.2	11.8	23.2	3.0	23.2	23.2	23.2	18.7	14.2	9.8
	57	26.1	2.7	26.1	26.1	26.1	21.7	17.2	12.8	24.4	3.0	24.4	24.4	24.4	19.9	15.5	11.0
1250	72	29.2	2.7	28.0	23.0	18.1	13.2	-	-	26.7	3.0	26.7	22.3	17.3	12.3	-	-
	67	26.3	2.7	26.3	26.3	24.5	19.5	14.6	-	24.0	3.0	24.0	24.0	23.7	18.7	13.6	-
	62	25.4	2.7	25.4	25.4	25.4	20.5	15.5	10.6	23.4	3.0	23.4	23.4	23.4	18.4	13.4	8.4
	57	26.3	2.7	26.3	26.3	26.3	21.4	16.5	11.5	24.6	3.0	24.6	24.6	24.6	19.6	14.6	9.6

1. These capacities are Net Capacities.
2. These ratings include the compressor, condenser fan and supply air blower motors.

## DNQ036 (3.0 Ton)

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				75°F						85°F							
1050	77	47.5	1.5	23.1	18.9	14.7	-	-	-	44.6	2.4	23.4	19.0	14.7	-	-	-
	72	43.7	1.9	29.7	25.5	21.3	17.1	-	-	41.0	2.5	29.0	24.8	20.6	16.3	-	-
	67	39.9	2.3	36.3	32.1	27.9	23.6	19.4	-	37.5	2.5	34.7	30.6	26.4	22.1	17.9	-
	62	37.1	1.9	37.1	35.4	32.8	28.6	24.4	20.2	34.6	2.5	34.6	33.8	31.4	27.1	22.9	18.7
	57	37.4	2.0	37.4	36.6	34.4	30.2	26.0	21.8	35.2	2.5	35.2	34.8	32.9	28.7	24.4	20.2
1100	77	47.0	1.6	23.6	19.3	15.0	-	-	-	44.2	2.4	23.9	19.3	15.0	-	-	-
	72	43.2	2.0	30.4	26.0	21.7	17.3	-	-	40.7	2.5	29.6	25.2	20.9	16.5	-	-
	67	39.5	2.3	37.1	32.7	28.4	24.0	19.7	-	37.2	2.5	35.3	31.1	26.8	22.4	18.0	-
	62	36.7	2.0	36.7	35.6	33.4	29.1	24.7	20.4	34.3	2.5	34.3	33.8	31.8	27.4	23.1	18.7
	57	37.0	2.0	37.0	36.5	35.0	30.7	26.3	22.0	34.9	2.5	34.9	34.6	33.4	29.0	24.6	20.2
1200	77	46.1	1.7	24.7	20.2	15.5	-	-	-	43.5	2.4	25.1	20.1	15.4	-	-	-
	72	42.4	2.1	31.7	27.1	22.5	17.8	-	-	40.0	2.5	30.8	26.1	21.5	16.8	-	-
	67	38.7	2.4	38.7	34.0	29.4	24.7	20.1	-	36.6	2.5	36.6	32.2	27.5	22.9	18.2	-
	62	36.0	2.1	36.0	36.0	34.6	30.0	25.4	20.8	33.8	2.5	33.8	33.8	32.7	28.1	23.4	18.7
	57	36.3	2.1	36.3	36.3	36.3	31.6	27.0	22.4	34.3	2.5	34.3	34.3	34.3	29.7	25.0	20.3
1350	72	43.4	1.7	33.7	28.4	23.1	17.8	-	-	40.5	2.5	33.0	27.7	22.5	17.3	-	-
	67	39.6	2.1	39.6	35.5	30.2	25.0	19.7	-	37.0	2.5	37.0	34.1	28.9	23.6	18.4	-
	62	36.8	1.7	36.8	36.8	36.8	31.5	26.3	21.0	34.1	2.5	34.1	34.1	34.1	28.9	23.6	18.4
	57	37.1	1.8	37.1	37.1	37.1	31.9	26.6	21.3	34.7	2.5	34.7	34.7	34.7	29.5	24.2	19.0
					95°F						105°F						
1050	77	41.7	3.3	23.6	19.0	14.8	-	-	-	38.7	3.5	23.2	17.7	13.4	-	-	-
	72	38.4	3.0	28.3	24.1	19.8	15.6	-	-	35.5	3.4	27.1	22.9	18.7	14.4	-	-
	67	35.1	2.7	33.0	29.1	24.9	20.6	16.4	-	32.2	3.3	31.0	28.1	23.9	19.7	15.5	-
	62	32.1	3.1	32.1	32.1	29.9	25.6	21.4	17.1	29.9	3.5	29.9	29.7	27.6	23.4	19.1	14.9
	57	33.0	3.0	33.0	33.0	31.4	27.1	22.9	18.7	30.8	3.4	30.8	30.6	28.9	24.6	20.4	16.2
1100	77	41.4	3.3	24.2	19.3	14.9	-	-	-	38.5	3.5	24.2	18.0	13.6	-	-	-
	72	38.1	2.9	28.9	24.4	20.0	15.6	-	-	35.2	3.4	27.7	23.3	18.9	14.6	-	-
	67	34.9	2.6	33.5	29.6	25.2	20.8	16.3	-	32.0	3.2	31.2	28.6	24.3	19.9	15.5	-
	62	31.9	3.0	31.9	31.9	30.2	25.8	21.4	17.0	29.7	3.5	29.7	29.6	28.0	23.6	19.2	14.8
	57	32.8	3.0	32.8	32.8	31.7	27.3	22.9	18.5	30.5	3.4	30.5	30.4	29.3	24.9	20.5	16.2
1200	77	40.9	3.1	25.4	20.0	15.2	-	-	-	37.9	3.4	26.1	18.8	14.0	-	-	-
	72	37.7	2.8	29.9	25.2	20.5	15.7	-	-	34.8	3.3	28.9	24.2	19.5	14.8	-	-
	67	34.5	2.5	34.5	30.4	25.7	21.0	16.2	-	31.6	3.2	31.6	29.6	25.0	20.3	15.6	-
	62	31.5	2.9	31.5	31.5	30.8	26.1	21.4	16.7	29.3	3.4	29.3	29.3	28.8	24.1	19.4	14.7
	57	32.4	2.9	32.4	32.4	32.4	27.7	23.0	18.2	30.1	3.4	30.1	30.1	30.1	25.4	20.8	16.1
1350	72	37.5	3.2	32.3	27.1	21.9	16.7	-	-	34.7	3.5	31.0	25.8	20.6	15.4	-	-
	67	34.3	2.9	34.3	32.7	27.5	22.3	17.1	-	31.5	3.3	31.5	30.7	26.5	21.3	16.1	-
	62	31.4	3.3	31.4	31.4	31.4	26.2	21.0	15.8	29.3	3.6	29.3	29.3	29.3	24.1	18.9	13.7
	57	32.3	3.2	32.3	32.3	32.3	27.1	21.9	16.7	30.1	3.5	30.1	30.1	30.1	24.9	19.7	14.5

**DNQ036 (3.0 Ton) (Continued)**

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				<b>115°F</b>						<b>125°F</b>							
1050	77	35.8	3.7	22.8	16.3	12.0	-	-	-	32.8	3.8	22.7	15.9	10.6	-	-	-
	72	32.6	3.8	25.9	21.7	17.5	13.3	-	-	29.7	4.1	24.6	20.5	16.3	12.1	-	-
	67	29.4	3.8	28.9	27.1	23.0	18.8	14.6	-	26.6	4.4	26.6	26.0	22.0	17.8	13.7	-
	62	27.8	3.9	27.8	27.3	25.3	21.1	16.9	12.7	25.6	4.3	25.6	24.9	23.0	18.8	14.6	10.4
	57	28.5	3.8	28.5	28.2	26.3	22.1	17.9	13.7	26.3	4.2	26.3	25.8	23.8	19.6	15.4	11.3
1100	77	35.5	3.7	24.2	16.7	12.2	-	-	-	32.5	3.9	24.3	16.8	10.9	-	-	-
	72	32.3	3.8	26.5	22.2	17.8	13.5	-	-	29.4	4.2	25.3	21.0	16.7	12.4	-	-
	67	29.2	3.9	28.9	27.6	23.4	19.1	14.7	-	26.4	4.5	26.4	26.0	22.5	18.2	13.9	-
	62	27.5	3.9	27.5	27.3	25.8	21.4	17.1	12.7	25.3	4.4	25.3	24.9	23.5	19.2	14.9	10.6
	57	28.3	3.8	28.3	28.1	26.8	22.5	18.1	13.8	26.0	4.3	26.0	25.7	24.4	20.1	15.7	11.4
1200	77	34.9	3.7	26.9	17.6	12.7	-	-	-	31.9	4.0	27.6	18.4	11.4	-	-	-
	72	31.8	3.8	27.8	23.1	18.5	13.8	-	-	28.9	4.3	26.7	22.1	17.5	12.9	-	-
	67	28.7	3.9	28.7	28.7	24.3	19.7	15.0	-	25.9	4.5	25.9	25.9	23.6	19.0	14.4	-
	62	27.1	3.9	27.1	27.1	26.7	22.1	17.4	12.8	24.9	4.4	24.9	24.9	24.7	20.1	15.5	10.8
	57	27.8	3.9	27.8	27.8	27.8	23.2	18.6	13.9	25.6	4.4	25.6	25.6	25.6	21.0	16.3	11.7
1350	72	31.9	3.7	29.7	24.5	19.4	14.2	-	-	29.0	4.0	28.5	23.3	18.1	12.9	-	-
	67	28.8	3.8	28.8	28.8	25.4	20.2	15.0	-	26.0	4.3	26.0	26.0	24.4	19.2	14.0	-
	62	27.1	3.9	27.1	27.1	27.1	21.9	16.8	11.6	25.0	4.2	25.0	25.0	25.0	19.8	14.6	9.4
	57	27.9	3.8	27.9	27.9	27.9	22.7	17.5	12.3	25.7	4.1	25.7	25.7	25.7	20.5	15.3	10.1

1. These capacities are Net Capacities.
2. These ratings include the compressor, condenser fan and supply air blower motors.

## DNQ042 (3.5 Ton)

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				75°F						85°F							
1225	77	56.1	2.4	29.5	24.5	19.3	-	-	-	51.8	2.7	28.3	22.6	17.4	-	-	-
	72	51.6	2.4	36.9	31.7	26.4	21.2	-	-	48.1	2.7	35.3	30.1	24.8	19.6	-	-
	67	47.2	2.4	44.3	38.9	33.6	28.4	23.1	-	44.4	2.7	42.4	37.5	32.3	27.0	21.8	-
	62	42.1	2.3	42.1	41.8	36.7	31.4	26.2	20.9	40.5	2.7	40.5	40.3	36.9	31.7	26.4	21.2
	57	42.9	2.4	42.9	42.9	39.8	34.5	29.3	24.1	40.0	2.7	40.0	40.0	37.5	32.3	27.0	21.8
1400	77	56.2	2.4	31.6	26.1	20.2	-	-	-	52.9	2.7	31.1	24.4	18.5	-	-	-
	72	51.8	2.4	39.5	33.6	27.7	21.9	-	-	49.1	2.7	38.2	32.3	26.4	20.4	-	-
	67	47.4	2.4	47.4	41.1	35.2	29.4	23.5	-	45.3	2.7	45.3	40.2	34.2	28.3	22.4	-
	62	42.2	2.4	42.2	42.2	38.4	32.5	26.6	20.7	41.3	2.7	41.3	41.3	39.2	33.3	27.3	21.4
	57	43.0	2.4	43.0	43.0	41.7	35.8	30.0	24.1	40.9	2.7	40.9	40.9	39.8	33.9	28.0	22.0
1575	72	51.4	2.4	42.3	35.9	29.5	23.1	-	-	48.9	2.7	41.0	34.6	28.1	21.6	-	-
	67	46.9	2.4	46.9	43.8	37.5	31.1	24.7	-	45.1	2.7	45.1	42.5	36.5	30.1	23.6	-
	62	41.8	2.4	41.8	41.8	39.9	33.5	27.1	20.7	41.1	2.7	41.1	41.1	40.1	33.6	27.1	20.7
	57	42.6	2.4	42.6	42.6	42.0	35.6	29.2	22.8	40.7	2.7	40.7	40.7	40.2	33.7	27.2	20.8
1750	72	50.9	2.4	45.1	38.2	31.3	24.4	-	-	48.7	2.7	43.9	36.9	29.9	22.9	-	-
	67	46.5	2.4	46.5	46.5	39.7	32.9	26.0	-	44.9	2.7	44.9	44.9	38.8	31.8	24.8	-
	62	41.4	2.4	41.4	41.4	41.4	34.5	27.6	20.8	41.0	2.7	41.0	41.0	41.0	34.0	27.0	20.0
	57	42.2	2.4	42.2	42.2	42.2	35.4	28.5	21.6	40.5	2.7	40.5	40.5	40.5	33.5	26.5	19.5
				95°F						105°F							
1225	77	47.6	3.0	27.1	20.8	15.5	-	-	-	46.1	3.4	28.7	21.2	15.7	-	-	-
	72	44.6	3.0	33.8	28.5	23.2	17.9	-	-	42.6	3.4	33.6	28.2	22.9	17.5	-	-
	67	41.5	3.0	40.4	36.2	30.9	25.6	20.4	-	39.0	3.3	38.5	35.2	30.0	24.6	19.3	-
	62	38.8	3.0	38.8	38.8	37.2	31.9	26.7	21.4	37.4	3.3	37.4	37.0	34.4	29.1	23.7	18.4
	57	37.2	3.0	37.2	37.2	35.3	30.0	24.7	19.4	35.4	3.3	35.4	35.4	33.5	28.1	22.8	17.4
1400	77	49.6	3.0	30.7	22.7	16.7	-	-	-	47.2	3.4	33.2	23.1	16.8	-	-	-
	72	46.4	3.0	36.9	31.0	25.0	19.0	-	-	43.5	3.3	36.6	30.5	24.4	18.4	-	-
	67	43.2	3.0	43.2	39.2	33.3	27.3	21.3	-	39.9	3.3	39.9	37.9	32.0	26.0	19.9	-
	62	40.4	3.0	40.4	40.4	40.0	34.0	28.1	22.1	38.3	3.3	38.3	38.3	36.8	30.8	24.7	18.6
	57	38.7	3.0	38.7	38.7	37.9	32.0	26.0	20.0	36.1	3.3	36.1	36.1	35.8	29.7	23.6	17.6
1575	72	46.5	3.0	39.8	33.3	26.7	20.2	-	-	43.9	3.4	39.3	32.7	26.1	19.5	-	-
	67	43.3	3.0	43.3	41.3	35.6	29.0	22.5	-	40.3	3.3	40.3	39.3	34.2	27.6	20.9	-
	62	40.5	3.0	40.5	40.5	40.3	33.7	27.2	20.6	38.6	3.3	38.6	38.6	37.9	31.3	24.7	18.1
	57	38.8	3.0	38.8	38.8	38.4	31.8	25.3	18.7	36.5	3.3	36.5	36.5	36.3	29.7	23.1	16.4
1750	72	46.5	3.0	42.7	35.6	28.4	21.3	-	-	44.4	3.4	42.1	34.9	27.7	20.5	-	-
	67	43.3	3.0	43.3	43.3	37.9	30.8	23.7	-	40.6	3.3	40.6	40.6	36.3	29.2	22.0	-
	62	40.5	3.0	40.5	40.5	40.5	33.4	26.3	19.2	39.0	3.3	39.0	39.0	39.0	31.8	24.6	17.5
	57	38.8	3.0	38.8	38.8	38.8	31.7	24.6	17.5	36.9	3.3	36.9	36.9	36.9	29.7	22.5	15.3

**DNQ042 (3.5 Ton) (Continued)**

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				<b>115°F</b>						<b>125°F</b>							
1225	77	44.7	3.7	30.2	21.6	16.0	-	-	-	43.2	4.1	32.3	23.0	16.2	-	-	-
	72	40.6	3.7	33.4	27.9	22.5	17.1	-	-	38.6	4.0	33.2	27.7	22.2	16.7	-	-
	67	36.5	3.7	36.5	34.3	29.0	23.6	18.2	-	34.0	4.0	34.0	33.3	28.1	22.6	17.1	-
	62	36.1	3.7	36.1	35.3	31.7	26.3	20.8	15.4	34.7	4.0	34.7	33.5	28.9	23.4	17.9	12.4
	57	33.6	3.7	33.6	33.6	31.7	26.2	20.8	15.4	31.8	4.0	31.8	31.8	29.8	24.3	18.8	13.3
1400	77	44.7	3.7	35.8	23.5	17.0	-	-	-	42.2	4.1	38.4	25.9	17.1	-	-	-
	72	40.6	3.7	36.2	30.0	23.9	17.8	-	-	37.7	4.1	35.8	29.6	23.4	17.1	-	-
	67	36.5	3.7	36.5	36.5	30.8	24.7	18.6	-	33.2	4.1	33.2	33.2	29.6	23.4	17.2	-
	62	36.1	3.7	36.1	36.1	33.6	27.5	21.3	15.2	33.9	4.0	33.9	33.9	30.4	24.2	18.0	11.8
	57	33.6	3.7	33.6	33.6	33.6	27.5	21.3	15.2	31.0	4.0	31.0	31.0	31.0	25.2	19.0	12.8
1575	72	41.4	3.7	38.8	32.1	25.4	18.7	-	-	38.9	4.1	38.3	31.6	24.8	18.0	-	-
	67	37.3	3.7	37.3	37.3	32.8	26.1	19.4	-	34.2	4.1	34.2	34.2	31.4	24.7	17.9	-
	62	36.8	3.7	36.8	36.8	35.6	28.9	22.2	15.5	35.0	4.0	35.0	35.0	33.2	26.5	19.7	12.9
	57	34.2	3.7	34.2	34.2	34.2	27.6	20.9	14.2	32.0	4.0	32.0	32.0	32.0	25.4	18.7	11.9
	1750	72	42.2	3.7	41.5	34.2	27.0	19.7	-	-	40.1	4.1	40.1	33.6	26.2	18.9	-
67		38.0	3.7	38.0	38.0	34.8	27.6	20.3	-	35.3	4.1	35.3	35.3	33.3	25.9	18.6	-
62		37.5	3.7	37.5	37.5	37.5	30.3	23.0	15.8	36.0	4.0	36.0	36.0	36.0	28.7	21.4	14.1
57		34.9	3.7	34.9	34.9	34.9	27.7	20.4	13.2	33.0	4.0	33.0	33.0	33.0	25.6	18.3	11.0

1. These capacities are Net Capacities.
2. These ratings include the compressor, condenser fan and supply air blower motors.

## DNQ048 (4.0 Ton)

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				75°F						85°F							
1400	77	58.8	2.6	31.6	26.4	20.6	-	-	-	56.2	3.0	31.9	25.9	20.1	-	-	-
	72	55.0	2.6	40.1	34.3	28.5	22.7	-	-	52.6	3.0	39.6	33.8	27.9	22.0	-	-
	67	51.2	2.6	48.6	42.2	36.4	30.6	24.8	-	49.0	3.0	47.3	41.6	35.7	29.8	24.0	-
	62	45.7	2.6	45.7	45.7	44.3	38.6	32.8	27.0	45.7	2.9	45.7	45.7	43.2	37.3	31.5	25.6
	57	45.6	2.5	45.6	45.6	41.7	35.9	30.2	24.4	44.2	2.9	44.2	44.2	40.7	34.8	29.0	23.1
1500	77	58.8	2.6	32.5	27.5	21.2	-	-	-	56.0	3.0	33.2	26.8	20.5	-	-	-
	72	55.0	2.6	41.9	35.6	29.4	23.2	-	-	52.4	3.0	41.0	34.8	28.5	22.3	-	-
	67	51.2	2.6	51.2	43.8	37.6	31.4	25.2	-	48.8	3.0	48.8	42.8	36.5	30.3	24.0	-
	62	45.7	2.6	45.7	45.7	45.7	39.6	33.4	27.2	45.5	3.0	45.5	45.5	44.2	38.0	31.7	25.5
	57	45.6	2.5	45.6	45.6	43.1	36.9	30.7	24.5	44.1	2.9	44.1	44.1	41.6	35.4	29.1	22.9
1650	72	55.0	2.6	44.3	37.6	30.9	24.2	-	-	52.0	3.0	43.4	36.7	29.9	23.2	-	-
	67	51.2	2.6	51.2	46.7	39.5	32.8	26.1	-	48.5	3.0	48.5	45.1	38.3	31.6	24.8	-
	62	45.7	2.6	45.7	45.7	45.7	39.1	32.4	25.7	45.2	3.0	45.2	45.2	44.5	37.8	31.0	24.2
	57	45.6	2.5	45.6	45.6	44.3	37.6	30.9	24.2	43.8	2.9	43.8	43.8	42.5	35.8	29.0	22.2
	1800	72	54.9	2.6	46.7	39.6	32.4	25.2	-	-	51.6	3.0	45.9	38.6	31.3	24.0	-
67		51.1	2.6	51.1	49.7	41.4	34.2	27.0	-	48.1	3.0	48.1	47.4	40.1	32.8	25.6	-
62		45.7	2.6	45.7	45.7	45.7	38.5	31.4	24.2	44.8	2.9	44.8	44.8	44.8	37.6	30.3	23.0
57		45.6	2.5	45.6	45.6	45.6	38.4	31.2	24.0	43.4	2.9	43.4	43.4	43.4	36.2	28.9	21.6
				95°F						105°F							
1400	77	53.5	3.4	32.2	25.5	19.6	-	-	-	50.4	3.8	32.6	24.5	18.5	-	-	-
	72	50.2	3.3	39.2	33.2	27.3	21.4	-	-	47.3	3.8	38.3	32.2	26.2	20.2	-	-
	67	46.8	3.3	46.1	41.0	35.0	29.1	23.1	-	44.3	3.8	43.9	40.0	34.0	27.9	21.9	-
	62	45.6	3.3	45.6	45.6	42.1	36.1	30.2	24.3	43.6	3.7	43.6	43.2	39.0	33.0	27.0	20.9
	57	42.9	3.3	42.9	42.9	39.6	33.7	27.8	21.8	42.5	3.7	42.5	42.1	38.0	32.0	26.0	20.0
1500	77	53.1	3.4	33.9	26.1	19.8	-	-	-	49.9	3.8	35.2	25.2	18.8	-	-	-
	72	49.8	3.3	40.2	33.9	27.6	21.4	-	-	46.8	3.8	39.5	33.1	26.7	20.3	-	-
	67	46.4	3.3	46.4	41.7	35.5	29.2	22.9	-	43.8	3.7	43.8	41.0	34.6	28.2	21.8	-
	62	45.2	3.3	45.2	45.2	42.6	36.3	30.1	23.8	43.1	3.7	43.1	43.1	39.7	33.3	26.9	20.5
	57	42.5	3.3	42.5	42.5	40.1	33.9	27.6	21.3	42.0	3.7	42.0	42.0	38.7	32.3	25.9	19.5
1650	72	49.1	3.3	42.6	35.8	28.9	22.1	-	-	45.8	3.8	41.3	34.7	27.8	20.9	-	-
	67	45.7	3.3	45.7	43.4	37.1	30.3	23.5	-	42.8	3.7	42.8	41.4	36.0	29.1	22.1	-
	62	44.6	3.3	44.6	44.6	43.3	36.5	29.6	22.8	42.2	3.7	42.2	42.2	40.4	33.5	26.6	19.6
	57	41.9	3.3	41.9	41.9	40.7	33.9	27.1	20.3	41.1	3.7	41.1	41.1	39.4	32.5	25.5	18.6
	1800	72	48.3	3.3	45.0	37.6	30.2	22.9	-	-	44.8	3.8	43.1	36.4	28.9	21.5	-
67		45.1	3.3	45.1	45.1	38.8	31.5	24.1	-	41.9	3.7	41.9	41.9	37.5	30.0	22.5	-
62		44.0	3.3	44.0	44.0	44.0	36.6	29.2	21.8	41.2	3.7	41.2	41.2	41.2	33.7	26.3	18.8
57		41.3	3.3	41.3	41.3	41.3	33.9	26.6	19.2	40.1	3.7	40.1	40.1	40.1	32.6	25.2	17.7



**DNQ048 (4.0 Ton) (Continued)**

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				115°F						125°F							
1400	77	47.2	4.2	32.9	23.5	17.4	-	-	-	44.1	4.6	33.6	23.0	16.4	-	-	-
	72	44.5	4.2	37.4	31.3	25.2	19.1	-	-	41.7	4.6	36.4	30.3	24.1	17.9	-	-
	67	41.8	4.2	41.8	39.0	32.9	26.8	20.7	-	39.3	4.6	39.3	38.0	31.8	25.6	19.5	-
	62	41.5	4.2	41.5	40.8	35.9	29.8	23.7	17.6	39.5	4.6	39.5	38.5	32.8	26.6	20.5	14.3
	57	42.0	4.2	42.0	41.4	36.4	30.3	24.2	18.1	41.6	4.6	41.6	40.6	34.8	28.6	22.5	16.3
1500	77	46.6	4.2	36.4	24.4	17.9	-	-	-	43.4	4.6	37.7	24.3	16.9	-	-	-
	72	43.9	4.2	38.8	32.3	25.8	19.2	-	-	41.0	4.6	38.2	31.5	24.8	18.2	-	-
	67	41.2	4.2	41.2	40.2	33.7	27.1	20.6	-	38.6	4.6	38.6	38.6	32.8	26.1	19.4	-
	62	41.0	4.1	41.0	41.0	36.8	30.2	23.7	17.2	38.8	4.6	38.8	38.8	33.8	27.2	20.5	13.8
	57	41.5	4.1	41.5	41.5	37.3	30.8	24.2	17.7	41.0	4.6	41.0	41.0	35.9	29.2	22.5	15.9
1650	72	42.6	4.2	40.0	33.7	26.7	19.6	-	-	39.3	4.6	38.7	32.7	25.6	18.4	-	-
	67	39.9	4.2	39.9	39.4	34.9	27.8	20.8	-	37.0	4.6	37.0	37.0	33.7	26.6	19.4	-
	62	39.7	4.2	39.7	39.7	37.6	30.5	23.5	16.4	37.3	4.6	37.3	37.3	34.8	27.6	20.4	13.3
	57	40.2	4.1	40.2	40.2	38.1	31.1	24.0	17.0	39.3	4.6	39.3	39.3	36.8	29.6	22.5	15.3
1800	72	41.2	4.2	41.2	35.2	27.6	20.1	-	-	37.6	4.6	37.6	34.0	26.3	18.6	-	-
	67	38.7	4.2	38.7	38.7	36.1	28.5	21.0	-	35.4	4.6	35.4	35.4	34.7	27.1	19.4	-
	62	38.4	4.2	38.4	38.4	38.4	30.9	23.3	15.7	35.7	4.6	35.7	35.7	35.7	28.0	20.4	12.7
	57	38.9	4.2	38.9	38.9	38.9	31.4	23.8	16.2	37.7	4.6	37.7	37.7	37.7	30.1	22.4	14.7

1. These capacities are Net Capacities.
2. These ratings include the compressor, condenser fan and supply air blower motors.

## DNQ060 (5.0 Ton)

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				75°F						85°F							
1550	77	66.9	3.3	34.4	28.0	21.6	-	-	-	65.1	3.7	32.9	26.6	20.2	-	-	-
	72	61.6	3.2	43.2	36.8	30.4	24.0	-	-	60.4	3.7	42.3	36.0	29.6	23.3	-	-
	67	56.2	3.2	52.1	45.7	39.3	32.9	26.5	-	55.7	3.6	51.7	45.4	39.0	32.7	26.3	-
	62	51.9	3.2	51.9	51.9	47.1	40.7	34.3	27.8	51.4	3.6	51.4	51.4	45.6	39.3	32.9	26.6
	57	51.4	3.2	51.4	51.4	47.5	41.1	34.7	28.3	50.8	3.6	50.8	50.8	45.7	39.4	33.0	26.7
1650	77	71.0	3.3	36.0	30.4	23.8	-	-	-	67.6	3.7	35.5	28.8	22.1	-	-	-
	72	65.4	3.2	46.8	40.1	33.5	26.8	-	-	62.7	3.7	45.7	39.0	32.4	25.7	-	-
	67	59.7	3.2	57.6	49.8	43.2	36.5	29.8	-	57.9	3.6	55.9	49.3	42.6	36.0	29.3	-
	62	55.1	3.2	55.1	55.1	51.7	45.0	38.4	31.7	53.3	3.6	53.3	53.3	49.9	43.2	36.6	29.9
	57	54.5	3.2	54.5	54.5	52.2	45.6	38.9	32.2	52.7	3.6	52.7	52.7	50.0	43.3	36.7	30.0
1750	77	75.1	3.3	37.6	32.8	25.9	-	-	-	70.1	3.7	38.0	30.9	24.0	-	-	-
	72	69.1	3.2	50.4	43.4	36.5	29.5	-	-	65.0	3.7	49.0	42.1	35.1	28.2	-	-
	67	63.2	3.2	63.2	54.0	47.1	40.1	33.1	-	60.0	3.6	60.0	53.2	46.3	39.3	32.4	-
	62	58.3	3.2	58.3	58.3	56.4	49.4	42.5	35.5	55.3	3.6	55.3	55.3	54.1	47.2	40.2	33.3
	57	57.7	3.2	57.7	57.7	57.0	50.0	43.0	36.1	54.7	3.6	54.7	54.7	54.2	47.3	40.3	33.4
2000	72	69.3	3.2	51.8	44.2	36.7	29.1	-	-	65.0	3.7	50.3	42.6	34.8	27.0	-	-
	67	63.4	3.2	63.4	54.9	47.3	39.8	32.2	-	59.9	3.6	59.9	53.6	45.8	38.0	30.2	-
	62	58.5	3.2	58.5	58.5	56.7	49.1	41.6	34.0	55.2	3.6	55.2	55.2	53.6	45.8	38.0	30.2
	57	57.9	3.2	57.9	57.9	57.2	49.7	42.1	34.6	54.6	3.6	54.6	54.6	53.7	45.9	38.1	30.3
				95°F						105°F							
1550	77	63.3	4.1	31.4	25.1	18.8	-	-	-	59.3	4.4	36.6	29.5	23.1	-	-	-
	72	59.2	4.1	41.4	35.1	28.8	22.5	-	-	55.2	4.5	42.9	36.5	30.1	23.7	-	-
	67	55.2	4.1	51.4	45.1	38.8	32.4	26.1	-	51.1	4.6	49.1	43.5	37.1	30.7	24.3	-
	62	50.8	4.0	50.8	50.5	44.2	37.9	31.6	25.3	47.4	4.5	47.4	47.3	44.2	37.7	31.3	24.9
	57	50.2	4.0	50.2	50.2	43.9	37.6	31.3	25.0	47.3	4.4	47.3	47.3	44.1	37.7	31.3	24.9
1650	77	64.2	4.1	34.9	27.1	20.5	-	-	-	60.1	4.5	39.1	30.7	23.8	-	-	-
	72	60.1	4.1	44.5	37.9	31.3	24.7	-	-	55.9	4.6	45.0	38.1	31.2	24.4	-	-
	67	56.0	4.1	54.1	48.7	42.1	35.5	28.9	-	51.8	4.6	50.8	45.5	38.6	31.8	24.9	-
	62	51.5	4.0	51.5	51.4	48.1	41.4	34.8	28.2	48.1	4.5	48.1	48.0	46.4	39.5	32.6	25.8
	57	50.9	4.0	50.9	50.9	47.7	41.1	34.5	27.8	47.9	4.5	47.9	47.9	46.3	39.5	32.6	25.8
1750	77	65.1	4.1	38.4	29.0	22.1	-	-	-	60.9	4.6	41.5	31.9	24.6	-	-	-
	72	60.9	4.1	47.6	40.7	33.8	26.8	-	-	56.7	4.6	47.0	39.7	32.4	25.1	-	-
	67	56.8	4.1	56.8	52.4	45.4	38.5	31.6	-	52.5	4.7	52.5	47.5	40.2	32.9	25.6	-
	62	52.2	4.0	52.2	52.2	51.9	44.9	38.0	31.1	48.8	4.6	48.8	48.8	48.6	41.3	34.0	26.7
	57	51.6	4.0	51.6	51.6	51.5	44.6	37.6	30.7	48.6	4.5	48.6	48.6	48.5	41.2	33.9	26.6
2000	72	60.6	4.1	48.9	40.9	32.9	24.8	-	-	56.5	4.5	50.6	42.6	34.6	26.6	-	-
	67	56.5	4.0	56.5	52.2	44.2	36.2	28.2	-	52.3	4.6	52.3	50.2	42.6	34.6	26.6	-
	62	52.0	4.0	52.0	52.0	50.5	42.5	34.5	26.4	48.6	4.4	48.6	48.6	47.8	39.8	31.8	23.8
	57	51.4	4.0	51.4	51.4	50.1	42.1	34.1	26.1	48.4	4.4	48.4	48.4	47.8	39.8	31.8	23.7

**DNQ060 (5.0 Ton) (Continued)**

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				<b>115°F</b>						<b>125°F</b>							
1550	77	55.3	4.8	41.8	33.9	27.3	-	-	-	51.3	5.1	49.0	38.2	31.6	-	-	-
	72	51.1	5.0	44.4	37.9	31.4	24.9	-	-	47.0	5.4	45.9	39.3	32.6	26.0	-	-
	67	46.9	5.1	46.9	41.9	35.4	28.9	22.4	-	42.8	5.7	42.8	40.3	33.7	27.1	20.5	-
	62	44.1	4.9	44.1	44.1	44.1	37.6	31.0	24.5	40.7	5.3	40.7	40.7	40.7	37.4	30.7	24.1
	57	44.4	4.8	44.4	44.4	44.4	37.8	31.3	24.8	41.4	5.1	41.4	41.4	41.4	38.0	31.4	24.7
1650	77	56.0	4.9	43.2	34.3	27.2	-	-	-	52.0	5.3	48.3	37.9	30.6	-	-	-
	72	51.8	5.1	45.4	38.3	31.2	24.1	-	-	47.7	5.5	45.9	38.5	31.2	23.8	-	-
	67	47.6	5.2	47.6	42.3	35.2	28.1	21.0	-	43.4	5.8	43.4	39.1	31.8	24.4	17.1	-
	62	44.7	5.0	44.7	44.7	44.7	37.6	30.5	23.4	41.3	5.5	41.3	41.3	41.3	35.6	28.3	21.0
	57	45.0	4.9	45.0	45.0	45.0	37.9	30.8	23.7	42.0	5.3	42.0	42.0	42.0	36.3	28.9	21.6
1750	77	56.8	5.0	44.6	34.8	27.1	-	-	-	52.7	5.4	47.7	37.6	29.6	-	-	-
	72	52.5	5.2	46.4	38.7	31.0	23.3	-	-	48.3	5.7	45.8	37.8	29.7	21.6	-	-
	67	48.2	5.3	48.2	42.7	35.0	27.3	19.6	-	43.9	6.0	43.9	37.9	29.8	21.7	13.7	-
	62	45.3	5.1	45.3	45.3	45.3	37.6	29.9	22.2	41.8	5.7	41.8	41.8	41.8	33.9	25.8	17.8
	57	45.6	5.0	45.6	45.6	45.6	37.9	30.2	22.5	42.6	5.4	42.6	42.6	42.6	34.6	26.5	18.4
2000	72	52.4	4.9	52.4	44.4	36.3	28.3	-	-	48.3	5.3	48.3	46.1	38.1	30.1	-	-
	67	48.1	5.1	48.1	48.1	41.0	33.0	25.0	-	44.0	5.6	44.0	44.0	39.4	31.4	23.3	-
	62	45.2	4.9	45.2	45.2	45.2	37.2	29.2	21.1	41.8	5.3	41.8	41.8	41.8	34.5	26.5	18.5
	57	45.5	4.7	45.5	45.5	45.5	37.5	29.5	21.4	42.6	5.1	42.6	42.6	42.6	35.2	27.1	19.1

1. These capacities are Net Capacities.
2. These ratings include the compressor, condenser fan and supply air blower motors.

## DNX024-048 Cooling Capacities

### DNX024 (2.0 Ton)

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				<b>75°F</b>						<b>85°F</b>							
600	77	24.9	1.2	11.4	8.7	9.0	-	-	-	23.6	1.3	11.9	10.1	8.3	-	-	
	72	22.8	1.1	16.1	13.0	11.8	9.7	-	-	21.4	1.3	15.6	13.4	11.2	9.0	-	
	67	20.8	1.1	20.8	17.3	14.7	12.1	9.5	-	19.2	1.3	19.2	16.7	14.0	11.4	8.7	
	62	18.3	1.1	18.3	18.3	17.7	13.7	9.8	5.8	17.2	1.3	17.2	17.2	16.9	12.8	8.8	4.7
	57	19.5	1.0	19.5	19.5	19.4	15.1	10.9	6.6	17.8	1.2	17.8	17.8	17.7	13.5	9.3	5.1
800	77	32.1	1.8	15.1	13.3	10.8	-	-	-	30.6	2.0	15.6	12.9	10.3	-	-	
	72	29.8	1.8	21.1	18.2	15.3	12.4	-	-	28.2	1.9	20.6	17.6	14.6	11.6	-	
	67	27.4	1.7	27.1	23.0	19.7	16.5	13.2	-	25.7	1.9	25.5	22.2	18.9	15.7	12.4	
	62	25.0	1.7	25.0	25.0	24.2	20.8	17.4	14.0	23.6	1.8	23.6	23.6	23.1	19.7	16.2	12.8
	57	25.6	1.7	25.6	25.6	25.6	21.9	18.1	14.3	23.9	1.9	23.9	23.9	23.7	20.1	16.5	12.9
				<b>95°F</b>						<b>105°F</b>							
600	77	22.3	1.5	12.5	11.4	7.6	-	-	-	20.1	1.7	13.0	8.7	6.8	-	-	
	72	19.9	1.5	15.1	13.7	10.5	8.2	-	-	18.0	1.7	14.5	11.4	9.8	7.4	-	
	67	17.6	1.4	17.6	16.0	13.4	10.7	8.0	-	15.9	1.6	15.9	14.1	12.7	9.1	5.6	
	62	16.1	1.4	16.1	16.1	16.1	11.9	7.7	3.6	14.6	1.6	14.6	14.6	15.1	10.8	5.9	2.3
	57	16.1	1.4	16.1	16.1	15.9	11.8	7.7	3.6	14.9	1.6	14.9	14.7	14.6	11.2	7.8	4.3
800	77	29.2	2.1	16.1	12.5	9.8	-	-	-	26.9	2.4	17.0	11.9	9.0	-	-	
	72	26.6	2.1	20.1	17.0	14.0	10.9	-	-	24.4	2.3	19.4	16.3	13.2	10.0	-	
	67	24.0	2.1	24.0	21.5	18.2	14.8	11.5	-	21.9	2.3	21.9	20.7	17.3	13.9	10.5	
	62	22.2	2.0	22.2	22.2	22.1	18.6	15.1	11.5	20.3	2.3	20.3	20.3	21.0	17.4	13.8	10.1
	57	22.2	2.0	22.2	22.2	21.7	18.3	14.9	11.5	20.7	2.3	20.7	20.7	20.1	16.6	13.1	9.6
				<b>115°F</b>													
600	77	18.0	1.9	13.5	6.0	6.0	-	-	-								
	72	16.1	1.9	13.9	9.0	9.0	6.6	-	-								
	67	14.3	1.8	14.3	12.1	12.1	7.6	3.1	-								
	62	13.1	1.8	13.1	13.1	14.1	9.7	4.1	1.0								
	57	13.8	1.8	13.8	13.3	13.3	10.5	7.8	5.1								
800	77	24.5	2.6	17.8	11.4	8.3	-	-	-								
	72	22.2	2.6	18.8	15.6	12.4	9.1	-	-								
	67	19.8	2.5	19.8	19.8	16.5	13.0	9.4	-								
	62	18.5	2.5	18.5	18.5	19.9	16.2	12.5	8.7								
	57	19.2	2.5	19.2	19.2	18.5	14.9	11.3	7.6								

1. These capacities are Net Capacities.

2. These ratings include the compressor, condenser fan and supply air blower motors.

**DNX036 (3.0 Ton)**

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				<b>75°F</b>						<b>85°F</b>							
925	77	35.2	1.5	20.9	13.3	11.6	-	-	-	33.3	1.7	21.2	15.1	11.3	-	-	-
	72	32.3	1.5	25.2	20.0	17.0	12.9	-	-	30.4	1.7	24.4	20.3	16.3	12.3	-	-
	67	29.5	1.5	29.5	26.8	22.4	18.1	13.8	-	27.5	1.7	27.5	25.5	21.4	17.2	13.0	-
	62	26.8	1.5	26.8	26.8	27.2	22.5	17.8	13.2	25.1	1.7	25.1	25.1	25.1	20.8	16.5	12.2
	57	28.2	1.6	28.2	28.2	25.4	21.2	17.0	12.8	25.9	1.8	25.9	25.9	24.2	20.0	15.9	11.7
1275	77	48.7	2.8	23.8	19.3	14.7	-	-	-	46.5	3.0	25.5	19.4	14.7	-	-	-
	72	45.7	2.6	33.3	28.3	23.2	18.2	-	-	43.2	2.9	32.7	27.6	22.5	17.3	-	-
	67	42.8	2.5	42.8	37.2	31.7	26.1	20.6	-	39.9	2.8	39.9	35.8	30.2	24.6	19.0	-
	62	38.0	2.3	38.0	38.0	34.6	29.8	24.9	20.0	36.7	2.6	36.7	36.7	34.0	28.7	23.5	18.3
	57	38.4	2.5	38.4	38.4	35.9	30.3	24.7	19.1	36.7	2.8	36.7	36.7	34.4	28.8	23.1	17.5
				<b>95°F</b>						<b>105°F</b>							
925	77	31.5	1.9	21.5	17.0	11.0	-	-	-	29.0	2.2	21.9	13.1	10.1	-	-	-
	72	28.5	1.9	23.6	20.7	15.6	11.7	-	-	26.2	2.2	22.7	17.3	14.8	10.9	-	-
	67	25.6	1.9	25.6	24.3	20.3	16.2	12.2	-	23.4	2.2	23.4	21.5	19.5	15.4	11.3	-
	62	23.4	1.9	23.4	23.4	23.0	19.1	15.1	11.2	21.5	2.2	21.5	21.5	21.3	17.3	12.3	9.4
	57	23.6	1.9	23.6	23.6	22.9	18.8	14.8	10.7	22.3	2.2	22.3	21.6	21.3	17.2	13.2	9.2
1275	77	44.4	3.2	27.2	19.4	14.7	-	-	-	41.3	3.5	27.9	18.8	13.7	-	-	-
	72	40.7	3.1	32.1	26.9	21.7	16.5	-	-	37.8	3.4	31.1	25.9	20.7	15.4	-	-
	67	37.0	3.1	37.0	34.3	28.7	23.1	17.4	-	34.3	3.4	34.3	33.0	27.6	22.0	16.3	-
	62	35.4	2.9	35.4	35.4	33.3	27.7	22.1	16.5	32.4	3.3	32.4	32.4	31.4	25.6	19.8	14.1
	57	35.0	3.0	35.0	35.0	32.9	27.2	21.6	15.9	33.0	3.3	33.0	33.0	31.1	25.4	19.6	13.9
				<b>115°F</b>													
925	77	26.5	2.4	22.3	9.2	9.2	-	-	-								
	72	23.9	2.4	21.8	14.0	14.0	10.1	-	-								
	67	21.3	2.4	21.3	18.7	18.7	14.6	10.4	-								
	62	19.6	2.4	19.6	19.6	19.6	15.6	9.6	7.7								
	57	21.0	2.4	21.0	19.7	19.7	15.7	11.7	7.6								
1275	77	38.3	3.8	28.6	18.1	12.8	-	-	-								
	72	35.0	3.8	30.2	24.9	19.6	14.4	-	-								
	67	31.7	3.7	31.7	31.7	26.5	20.8	15.2	-								
	62	29.5	3.6	29.5	29.5	29.5	23.5	17.6	11.6								
	57	30.9	3.6	30.9	30.9	29.4	23.5	17.7	11.8								

1. These capacities are Net Capacities.
2. These ratings include the compressor, condenser fan and supply air blower motors.

**DNX048 (4.0 Ton)**

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)						Net Capacity <sup>1</sup> (MBh)	Total Input (kW) <sup>2</sup>	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
				<b>75°F</b>						<b>85°F</b>							
1000	77	45.3	2.2	23.2	17.3	14.8	-	-	-	42.8	2.5	22.7	18.4	14.2	-	-	-
	72	42.0	2.2	29.7	24.2	20.6	16.0	-	-	39.6	2.5	28.9	24.3	19.8	15.2	-	-
	67	38.8	2.2	36.3	31.1	26.3	21.5	16.7	-	36.4	2.5	35.1	30.2	25.3	20.5	15.6	-
	62	34.4	2.2	34.4	34.4	31.7	27.3	22.8	18.4	32.4	2.5	32.4	32.4	30.7	26.2	21.7	17.2
	57	33.6	2.2	33.6	33.6	33.0	28.4	23.8	19.2	31.7	2.4	31.7	31.7	31.2	26.6	21.9	17.3
1550	77	64.7	3.9	31.1	26.6	20.8	-	-	-	60.7	4.2	31.0	25.2	19.4	-	-	-
	72	59.6	3.8	42.0	35.7	29.4	23.2	-	-	56.0	4.1	40.7	34.4	28.1	21.7	-	-
	67	54.5	3.7	52.9	44.9	38.1	31.2	24.4	-	51.2	4.0	50.4	43.6	36.8	29.9	23.1	-
	62	50.3	3.5	50.3	50.3	46.3	39.4	32.4	25.5	47.6	3.8	47.6	47.6	44.4	37.5	30.5	23.6
	57	48.8	3.5	48.8	48.8	48.3	41.5	34.7	27.9	46.5	3.7	46.5	46.5	46.3	39.3	32.3	25.4
				<b>95°F</b>						<b>105°F</b>							
1000	77	40.4	2.8	22.2	19.6	13.5	-	-	-	37.5	3.1	23.2	15.4	12.4	-	-	-
	72	37.2	2.8	28.1	24.4	18.9	14.4	-	-	34.3	3.1	27.2	20.6	17.9	13.2	-	-
	67	34.0	2.8	34.0	29.3	24.4	19.4	14.4	-	31.1	3.1	31.1	25.8	23.3	18.6	13.8	-
	62	30.5	2.7	30.5	30.5	29.6	25.0	20.5	15.9	28.0	3.1	28.0	28.0	27.7	23.1	18.1	13.8
	57	29.8	2.7	29.8	29.8	29.4	24.7	20.0	15.4	28.0	3.0	28.0	27.9	27.7	22.8	17.9	13.0
1550	77	56.8	4.5	30.9	23.8	17.9	-	-	-	52.1	4.9	32.0	22.7	16.7	-	-	-
	72	52.4	4.4	39.4	33.1	26.7	20.3	-	-	48.4	4.7	38.4	31.9	25.5	19.0	-	-
	67	48.0	4.3	48.0	42.3	35.5	28.6	21.8	-	44.8	4.6	44.8	41.2	34.2	27.2	20.2	-
	62	44.8	4.1	44.8	44.8	42.6	35.6	28.6	21.6	42.0	4.4	42.0	42.0	40.4	33.4	26.4	19.3
	57	44.3	4.0	44.3	44.3	44.3	37.1	30.0	22.8	41.9	4.4	41.9	41.9	41.0	33.9	26.7	19.6
				<b>115°F</b>													
1000	77	34.7	3.5	24.2	11.2	11.2	-	-	-								
	72	31.5	3.5	26.2	16.8	16.8	12.0	-	-								
	67	28.2	3.4	28.2	22.3	22.3	17.8	13.3	-								
	62	25.4	3.4	25.4	25.4	25.8	21.1	15.8	11.7								
	57	26.3	3.4	26.3	25.9	25.9	20.9	15.8	10.7								
1550	77	47.4	5.3	33.2	21.6	15.5	-	-	-								
	72	44.5	5.1	37.4	30.8	24.2	17.6	-	-								
	67	41.6	5.0	41.6	40.0	32.9	25.8	18.7	-								
	62	39.2	4.8	39.2	39.2	38.2	31.2	24.1	17.0								
	57	39.4	4.8	39.4	39.4	37.8	30.6	23.5	16.3								

1. These capacities are Net Capacities.
2. These ratings include the compressor, condenser fan and supply air blower motors.

## Airflow Performance

### DNZ Side Duct Application

Model (Tons)	Unit Speed	External Static Pressure (Inch Water Gauge)														
		0.2			0.4			0.6			0.8			1.0		
		SCFM	W	RPM	SCFM	W	RPM	SCFM	W	RPM	SCFM	W	RPM	SCFM	W	RPM
DNZ024 (2.0)	Low (1)	719	115	752	617	130	858	-	-	-	-	-	-	-	-	-
	Low/Medium (2)	781	137	789	691	155	891	-	-	-	-	-	-	-	-	-
	Medium (3)	902	187	858	824	207	949	734	223	1037	622	230	1116	-	-	-
	Medium/High (4)	-	-	-	937	258	998	845	270	1075	722	271	1146	-	-	-
	High (5)	-	-	-	-	-	-	933	316	1104	796	307	1162	-	-	-
DNZ030 (2.5)	Low (1)	827	163	825	759	187	919	-	-	-	-	-	-	-	-	-
	Low/Medium (2)	988	251	914	916	269	992	831	282	1067	-	-	-	-	-	-
	Medium (3)	1113	322	984	1035	333	1047	941	337	1108	818	329	1162	-	-	-
	Medium/High (4)	1233	394	1050	1145	394	1099	1040	388	1145	901	367	1184	-	-	-
	High (5)	-	-	-	-	-	-	1078	425	1164	867	353	1173	-	-	-
DNZ036 (3.0)	Low (1)	1032	236	789	921	258	853	-	-	-	-	-	-	-	-	-
	Low/Medium (2)	1185	317	859	1089	347	924	985	373	991	-	-	-	-	-	-
	Medium (3)	1304	395	913	1214	424	978	1114	448	1040	994	462	1098	-	-	-
	Medium/High (4)	1445	515	976	1357	532	1041	1252	542	1097	1117	537	1140	-	-	-
	High (5)	-	-	-	1498	708	1108	1363	665	1157	1179	599	1178	-	-	-
DNZ042 (3.5)	Low (1)	1114	176	642	-	-	-	-	-	-	-	-	-	-	-	-
	Low/Medium (2)	1223	230	679	1056	264	773	-	-	-	-	-	-	-	-	-
	Medium (3)	1641	404	751	1418	460	872	1288	492	942	1187	518	997	1101	540	1044
	Medium/High (4)	-	-	-	1535	547	904	1398	582	976	1292	606	1030	1203	624	1074
	High (5)	-	-	-	1665	664	940	1514	701	1015	1399	720	1067	1304	729	1106
DNZ048 (4.0)	Low (1)	1378	310	749	1209	343	840	-	-	-	-	-	-	-	-	-
	Low/Medium (2)	1414	331	763	1253	366	851	-	-	-	-	-	-	-	-	-
	Medium (3)	1713	544	872	1604	587	940	1484	624	1005	1343	653	1067	-	-	-
	Medium/High (4)	1882	703	931	1786	740	987	1671	769	1044	1522	783	1099	1231	717	1142
	High (5)	-	-	-	1972	946	1037	1851	949	1078	1689	927	1118	1306	759	1142
DNZ060 (5.0)	Low (1)	1556	416	802	-	-	-	-	-	-	-	-	-	-	-	-
	Low/Medium (2)	1648	489	843	1522	529	917	-	-	-	-	-	-	-	-	-
	Medium (3)	1767	595	892	1664	633	954	1546	668	1015	-	-	-	-	-	-
	Medium/High (4)	1913	739	946	1819	769	996	1702	791	1049	1550	800	1102	-	-	-
	High (5)	2103	952	1007	1990	957	1047	1855	948	1086	1674	912	1122	-	-	-

### DNZ Bottom Duct Application

Model (Tons)	Unit Speed	External Static Pressure (Inch Water Gauge)														
		0.2			0.4			0.6			0.8			1.0		
		SCFM	W	RPM	SCFM	W	RPM	SCFM	W	RPM	SCFM	W	RPM	SCFM	W	RPM
DNZ024 (2.0)	Low (1)	719	115	752	617	130	858	-	-	-	-	-	-	-	-	-
	Low/Medium (2)	781	137	789	691	155	891	-	-	-	-	-	-	-	-	-
	Medium (3)	902	187	858	824	207	949	734	223	1037	622	230	1116	-	-	-
	Medium/High (4)	-	-	-	937	258	998	845	270	1075	722	271	1146	-	-	-
	High (5)	-	-	-	-	-	-	933	316	1104	796	307	1162	-	-	-
DNZ030 (2.5)	Low (1)	827	163	825	759	187	919	-	-	-	-	-	-	-	-	-
	Low/Medium (2)	988	251	914	916	269	992	831	282	1067	-	-	-	-	-	-
	Medium (3)	1113	322	984	1035	333	1047	941	337	1108	818	329	1162	-	-	-
	Medium/High (4)	1233	394	1050	1145	394	1099	1040	388	1145	901	367	1184	-	-	-
	High (5)	-	-	-	-	-	-	1078	425	1164	867	353	1173	-	-	-
DNZ036 (3.0)	Low (1)	1032	236	789	921	258	853	-	-	-	-	-	-	-	-	-
	Low/Medium (2)	1185	317	859	1089	347	924	985	373	991	-	-	-	-	-	-
	Medium (3)	1304	395	913	1214	424	978	1114	448	1040	994	462	1098	-	-	-
	Medium/High (4)	1445	515	976	1357	532	1041	1252	542	1097	1117	537	1140	-	-	-
	High (5)	-	-	-	1498	708	1108	1363	665	1157	1179	599	1178	-	-	-
DNZ042 (3.5)	Low (1)	1114	176	642	-	-	-	-	-	-	-	-	-	-	-	-
	Low/Medium (2)	1223	230	679	1056	264	773	-	-	-	-	-	-	-	-	-
	Medium (3)	1641	404	751	1418	460	872	1288	492	942	1187	518	997	1101	540	1044
	Medium/High (4)	-	-	-	1535	547	904	1398	582	976	1292	606	1030	1203	624	1074
	High (5)	-	-	-	1665	664	940	1514	701	1015	1399	720	1067	1304	729	1106
DNZ048 (4.0)	Low (1)	1378	310	749	1209	343	840	-	-	-	-	-	-	-	-	-
	Low/Medium (2)	1414	331	763	1253	366	851	-	-	-	-	-	-	-	-	-
	Medium (3)	1713	544	872	1604	587	940	1484	624	1005	1343	653	1067	-	-	-
	Medium/High (4)	1882	703	931	1786	740	987	1671	769	1044	1522	783	1099	1231	717	1142
	High (5)	-	-	-	1972	946	1037	1851	949	1078	1689	927	1118	1306	759	1142
DNZ060 (5.0)	Low (1)	1556	416	802	-	-	-	-	-	-	-	-	-	-	-	-
	Low/Medium (2)	1648	489	843	1522	529	917	-	-	-	-	-	-	-	-	-
	Medium (3)	1767	595	892	1664	633	954	1546	668	1015	-	-	-	-	-	-
	Medium/High (4)	1913	739	946	1819	769	996	1702	791	1049	1550	800	1102	-	-	-
	High (5)	2103	952	1007	1990	957	1047	1855	948	1086	1674	912	1122	-	-	-



## DNQ Side Duct Application

Model (Tons)	Mode		Thermostat Input	Speed Tap	CFM	External Static Pressure (Inch Water Gauge)								
						0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
						Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts
DNQ024 (2.0)	Cool	High	Y1	COOL-A	800	177	204	232	261	290	320	350	382	414
			Y1	COOL-B	600	100	122	145	169	194	221	249	279	310
			Y1	COOL-C	700	134	159	184	211	238	265	293	323	352
			Y1	COOL-D	900	229	258	288	319	351	385	420	457	494
	Heat	N036	W1	HEAT-A	670	123	147	172	197	224	251	-	-	-
			W1	HEAT-B	730	146	172	198	225	252	280	-	-	-
			W1	HEAT-C	790	173	199	227	255	284	314	-	-	-
			W1	HEAT-D	850	202	230	259	289	319	351	-	-	-
		N056	W1	HEAT-A	940	253	281	312	344	378	-	-	-	-
			W1	HEAT-B	975	274	303	334	368	403	-	-	-	-
			W1	HEAT-C	1000	290	319	351	385	422	-	-	-	-
			W1	HEAT-D	1050	324	353	386	422	461	-	-	-	-
		D056	W1	HEAT-A	670	123	147	172	197	224	-	-	-	-
			W1	HEAT-B	690	130	155	180	206	233	-	-	-	-
			W1	HEAT-C	710	138	163	189	215	242	-	-	-	-
			W1	HEAT-D	750	155	181	207	235	262	-	-	-	-
			W1+W2	HEAT-A	940	253	281	312	344	378	-	-	-	-
			W1+W2	HEAT-B	970	271	300	331	364	400	-	-	-	-
			W1+W2	HEAT-C	1000	290	319	351	385	422	-	-	-	-
			W1+W2	HEAT-D	1050	324	353	386	422	461	-	-	-	-
DNQ030 (2.5)	Cool	High	Y1	COOL-A	900	222	254	291	323	340	381	431	462	516
			Y1	COOL-B	1000	271	306	360	397	433	469	508	554	571
			Y1	COOL-C	1125	367	411	445	500	533	588	625	647	665
			Y1	COOL-D	1250	472	522	587	628	660	686	701	720	736
	Heat	N036	W1	HEAT-A	670	121	152	180	205	228	257	-	-	-
			W1	HEAT-B	730	143	180	204	225	260	286	-	-	-
			W1	HEAT-C	790	172	205	237	267	296	329	-	-	-
			W1	HEAT-D	850	195	235	263	310	324	366	-	-	-
		N056	W1	HEAT-A	1050	297	341	385	427	469	-	-	-	-
			W1	HEAT-B	1135	379	417	455	496	536	-	-	-	-
			W1	HEAT-C	1220	448	493	537	586	635	-	-	-	-
			W1	HEAT-D	1300	514	562	610	655	700	-	-	-	-
		D056	W1	HEAT-A	680	130	161	189	214	237	-	-	-	-
			W1	HEAT-B	735	150	185	212	229	269	-	-	-	-
			W1	HEAT-C	790	172	205	237	267	296	-	-	-	-
			W1	HEAT-D	840	204	244	272	319	333	-	-	-	-
			W1+W2	HEAT-A	1050	297	341	385	427	469	-	-	-	-
			W1+W2	HEAT-B	1135	379	417	455	496	536	-	-	-	-
			W1+W2	HEAT-C	1220	448	493	537	586	635	-	-	-	-
			W1+W2	HEAT-D	1300	514	562	610	655	700	-	-	-	-

**DNQ Side Duct Application (Continued)**

Model (Tons)	Mode		Thermostat Input	Speed Tap	CFM	External Static Pressure (Inch Water Gauge)									
						0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	
						Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	
DNQ036 (3.0)	Cool	High	Y1	COOL-A	1100	363	410	459	509	559	611	664	719	773	
			Y1	COOL-B	1050	328	375	424	474	524	576	629	684	738	
			Y1	COOL-C	1200	439	489	541	595	652	710	771	835	900	
			Y1	COOL-D	1350	576	626	680	737	798	863	932	1005	-	
	Heat	N036	W1	HEAT-A	670	162	194	227	258	289	320	-	-	-	
			W1	HEAT-B	730	177	213	248	283	318	352	-	-	-	
			W1	HEAT-C	790	196	235	274	312	350	388	-	-	-	
			W1	HEAT-D	850	220	261	303	344	385	426	-	-	-	
		N056	W1	HEAT-A	1050	328	375	424	474	524	-	-	-	-	
			W1	HEAT-B	1135	388	437	488	540	594	-	-	-	-	
			W1	HEAT-C	1220	456	506	558	613	670	-	-	-	-	
			W1	HEAT-D	1300	528	578	631	687	747	-	-	-	-	
		D056	W1	HEAT-A	680	164	197	230	262	294	-	-	-	-	
			W1	HEAT-B	735	178	215	250	286	321	-	-	-	-	
			W1	HEAT-C	790	196	235	274	312	350	-	-	-	-	
			W1	HEAT-D	840	216	257	297	338	379	-	-	-	-	
			W1+W2	HEAT-A	1050	328	375	424	474	524	-	-	-	-	
			W1+W2	HEAT-B	1140	392	441	491	544	598	-	-	-	-	
			W1+W2	HEAT-C	1220	456	506	558	613	670	-	-	-	-	
			W1+W2	HEAT-D	1300	528	578	631	687	747	-	-	-	-	
		N072	W1	HEAT-A	1200	439	489	541	595	-	-	-	-	-	
			W1	HEAT-B	1300	528	578	631	687	-	-	-	-	-	
			W1	HEAT-C	1400	628	677	731	789	-	-	-	-	-	
			W1	HEAT-D	1475	710	759	812	871	-	-	-	-	-	
		D072	W1	HEAT-A	790	196	235	274	312	-	-	-	-	-	
			W1	HEAT-B	855	222	264	305	347	-	-	-	-	-	
			W1	HEAT-C	920	252	296	341	385	-	-	-	-	-	
			W1	HEAT-D	975	282	328	374	421	-	-	-	-	-	
			W1+W2	HEAT-A	1200	439	489	541	595	-	-	-	-	-	
			W1+W2	HEAT-B	1300	528	578	631	687	-	-	-	-	-	
			W1+W2	HEAT-C	1400	628	677	731	789	-	-	-	-	-	
			W1+W2	HEAT-D	1480	716	764	818	877	-	-	-	-	-	
DNQ042 (3.5)		Cool	High	Y1	COOL-A	1400	466	513	561	611	663	715	770	826	882
				Y1	COOL-B	1350	430	476	523	571	621	672	718	766	815
				Y1	COOL-C	1500	544	596	648	702	758	815	867	921	975
				Y1	COOL-D	1600	630	687	745	804	864	926	988	1052	1116
	Heat	N065	W1	HEAT-A	1200	330	373	416	461	507	554	-	-	-	
			W1	HEAT-B	1300	394	439	484	531	579	629	-	-	-	
			W1	HEAT-C	1400	466	513	561	611	663	715	-	-	-	
			W1	HEAT-D	1500	544	596	648	702	758	815	-	-	-	
		N090	W1	HEAT-A	1325	412	456	503	550	599	649	-	-	-	
			W1	HEAT-B	1400	466	513	561	611	663	715	-	-	-	
			W1	HEAT-C	1500	544	596	648	702	758	815	-	-	-	
			W1	HEAT-D	1600	630	687	745	804	864	926	-	-	-	
		D090	W1	HEAT-A	870	168	215	261	306	350	393	-	-	-	
			W1	HEAT-B	920	188	233	278	322	366	409	-	-	-	
			W1	HEAT-C	985	216	260	303	347	391	434	-	-	-	
			W1	HEAT-D	1050	247	290	333	376	420	464	-	-	-	
			W1+W2	HEAT-A	1330	415	460	506	554	603	653	-	-	-	
			W1+W2	HEAT-B	1400	466	513	561	611	663	715	-	-	-	
			W1+W2	HEAT-C	1500	544	596	648	702	758	815	-	-	-	
			W1+W2	HEAT-D	1600	630	687	745	804	864	926	-	-	-	

## DNQ Side Duct Application (Continued)

Model (Tons)	Mode		Thermostat Input	Speed Tap	CFM	External Static Pressure (Inch Water Gauge)								
						0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
						Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts
DNQ048 (4.0)	Cool	High	Y1	COOL-A	1500	544	596	648	702	758	815	867	921	975
			Y1	COOL-B	1400	466	513	561	611	663	715	770	826	882
			Y1	COOL-C	1600	630	687	745	804	864	926	988	1052	1116
			Y1	COOL-D	1700	723	787	851	916	982	1049	1116	1185	1247
	Heat	N065	W1	HEAT-A	1200	330	373	416	461	507	554	-	-	-
			W1	HEAT-B	1300	394	439	484	531	579	629	-	-	-
			W1	HEAT-C	1400	466	513	561	611	663	715	-	-	-
			W1	HEAT-D	1500	544	596	648	702	758	815	-	-	-
		N090	W1	HEAT-A	1325	412	456	503	550	599	649	-	-	-
			W1	HEAT-B	1400	466	513	561	611	663	715	-	-	-
			W1	HEAT-C	1500	544	596	648	702	758	815	-	-	-
			W1	HEAT-D	1600	630	687	745	804	864	926	-	-	-
		D090	W1	HEAT-A	870	168	215	261	306	350	393	-	-	-
			W1	HEAT-B	920	188	233	278	322	366	409	-	-	-
			W1	HEAT-C	985	216	260	303	347	391	434	-	-	-
			W1	HEAT-D	1050	247	290	333	376	420	464	-	-	-
			W1+W2	HEAT-A	1330	415	460	506	554	603	653	-	-	-
			W1+W2	HEAT-B	1400	466	513	561	611	663	715	-	-	-
			W1+W2	HEAT-C	1500	544	596	648	702	758	815	-	-	-
			W1+W2	HEAT-D	1600	630	687	745	804	864	926	-	-	-
		N110	W1	HEAT-A	1450	504	553	604	656	-	-	-	-	-
			W1	HEAT-B	1500	544	596	648	702	-	-	-	-	-
			W1	HEAT-C	1600	630	687	745	804	-	-	-	-	-
			W1	HEAT-D	1700	723	787	851	916	-	-	-	-	-
		D110	W1	HEAT-A	940	196	241	285	329	-	-	-	-	-
			W1	HEAT-B	970	209	253	297	341	-	-	-	-	-
			W1	HEAT-C	1050	247	290	333	376	-	-	-	-	-
			W1	HEAT-D	1100	273	315	358	402	-	-	-	-	-
W1+W2			HEAT-A	1450	504	553	604	656	-	-	-	-	-	
W1+W2			HEAT-B	1500	544	596	648	702	-	-	-	-	-	
W1+W2			HEAT-C	1600	630	687	745	804	-	-	-	-	-	
W1+W2			HEAT-D	1700	723	787	851	916	-	-	-	-	-	
DNQ060 (5.0)	Cool	High	Y1	COOL-A	1550	438	480	522	609	696	736	803	866	930
			Y1	COOL-B	1650	510	554	598	690	782	826	896	963	1031
			Y1	COOL-C	1750	589	635	682	778	873	924	995	1066	1137
			Y1	COOL-D	2000	822	875	927	1027	1128	1198	-	-	-
	Heat	N065	W1	HEAT-A	1200	251	285	319	382	445	475	-	-	-
			W1	HEAT-B	1300	295	331	367	438	509	541	-	-	-
			W1	HEAT-C	1400	346	385	423	501	579	613	-	-	-
			W1	HEAT-D	1500	405	446	487	572	656	693	-	-	-
		N090	W1	HEAT-A	1325	307	344	381	453	526	558	-	-	-
			W1	HEAT-B	1400	346	385	423	501	579	613	-	-	-
			W1	HEAT-C	1500	405	446	487	572	656	693	-	-	-
			W1	HEAT-D	1600	473	516	559	649	738	780	-	-	-
		D090	W1	HEAT-A	870	165	191	218	246	275	307	-	-	-
			W1	HEAT-B	920	172	200	228	262	296	328	-	-	-
			W1	HEAT-C	985	185	214	243	285	326	357	-	-	-
			W1	HEAT-D	1050	201	232	263	311	359	389	-	-	-
			W1+W2	HEAT-A	1330	309	346	383	456	530	562	-	-	-
			W1+W2	HEAT-B	1400	346	385	423	501	579	613	-	-	-
			W1+W2	HEAT-C	1500	405	446	487	572	656	693	-	-	-
			W1+W2	HEAT-D	1600	473	516	559	649	738	780	-	-	-
		N110	W1	HEAT-A	1450	375	414	454	536	617	652	-	-	-
			W1	HEAT-B	1500	405	446	487	572	656	693	-	-	-
			W1	HEAT-C	1600	473	516	559	649	738	780	-	-	-
			W1	HEAT-D	1700	548	594	639	733	827	874	-	-	-
		D110	W1	HEAT-A	940	176	204	232	269	305	336	-	-	-
			W1	HEAT-B	985	185	214	243	285	326	357	-	-	-
			W1	HEAT-C	1035	197	227	258	305	351	381	-	-	-
			W1	HEAT-D	1100	216	248	279	333	386	416	-	-	-
W1+W2			HEAT-A	1450	375	414	454	536	617	652	-	-	-	
W1+W2			HEAT-B	1500	405	446	487	572	656	693	-	-	-	
W1+W2			HEAT-C	1600	473	516	559	649	738	780	-	-	-	
W1+W2			HEAT-D	1700	548	594	639	733	827	874	-	-	-	

**DNQ Bottom Duct Application**

Model (Tons)	Mode		Thermostat Input	Speed Tap	CFM	External Static Pressure (Inch Water Gauge)								
						0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
						Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts
DNQ024 (2.0)	Cool	High	Y1	COOL-A	800	177	204	232	261	290	320	350	382	414
			Y1	COOL-B	600	100	122	145	169	194	221	249	279	310
			Y1	COOL-C	700	134	159	184	211	238	265	293	323	352
			Y1	COOL-D	900	229	258	288	319	351	385	420	457	494
	Heat	N036	W1	HEAT-A	670	123	147	172	197	224	251	-	-	-
			W1	HEAT-B	730	146	172	198	225	252	280	-	-	-
			W1	HEAT-C	790	173	199	227	255	284	314	-	-	-
			W1	HEAT-D	850	202	230	259	289	319	351	-	-	-
		N056	W1	HEAT-A	940	253	281	312	344	378	-	-	-	-
			W1	HEAT-B	975	274	303	334	368	403	-	-	-	-
			W1	HEAT-C	1000	290	319	351	385	422	-	-	-	-
			W1	HEAT-D	1050	324	353	386	422	461	-	-	-	-
		D056	W1	HEAT-A	670	123	147	172	197	224	-	-	-	-
			W1	HEAT-B	690	130	155	180	206	233	-	-	-	-
			W1	HEAT-C	710	138	163	189	215	242	-	-	-	-
			W1	HEAT-D	750	155	181	207	235	262	-	-	-	-
			W1+W2	HEAT-A	940	253	281	312	344	378	-	-	-	-
			W1+W2	HEAT-B	970	271	300	331	364	400	-	-	-	-
			W1+W2	HEAT-C	1000	290	319	351	385	422	-	-	-	-
			W1+W2	HEAT-D	1050	324	353	386	422	461	-	-	-	-
DNQ030 (2.5)	Cool	High	Y1	COOL-A	900	222	254	291	323	340	381	431	462	516
			Y1	COOL-B	1000	271	306	360	397	433	469	508	554	571
			Y1	COOL-C	1125	367	411	445	500	533	588	625	647	665
			Y1	COOL-D	1250	472	522	587	628	660	686	701	720	736
	Heat	N036	W1	HEAT-A	670	121	152	180	205	228	257	-	-	-
			W1	HEAT-B	730	143	180	204	225	260	286	-	-	-
			W1	HEAT-C	790	172	205	237	267	296	329	-	-	-
			W1	HEAT-D	850	195	235	263	310	324	366	-	-	-
		N056	W1	HEAT-A	1050	297	341	385	427	469	-	-	-	-
			W1	HEAT-B	1135	379	417	455	496	536	-	-	-	-
			W1	HEAT-C	1220	448	493	537	586	635	-	-	-	-
			W1	HEAT-D	1300	514	562	610	655	700	-	-	-	-
		D056	W1	HEAT-A	680	130	161	189	214	237	-	-	-	-
			W1	HEAT-B	735	150	185	212	229	269	-	-	-	-
			W1	HEAT-C	790	172	205	237	267	296	-	-	-	-
			W1	HEAT-D	840	204	244	272	319	333	-	-	-	-
			W1+W2	HEAT-A	1050	297	341	385	427	469	-	-	-	-
			W1+W2	HEAT-B	1135	379	417	455	496	536	-	-	-	-
			W1+W2	HEAT-C	1220	448	493	537	586	635	-	-	-	-
			W1+W2	HEAT-D	1300	514	562	610	655	700	-	-	-	-

## DNQ Bottom Duct Application (Continued)

Model (Tons)	Mode		Thermostat Input	Speed Tap	CFM	External Static Pressure (Inch Water Gauge)								
						0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
						Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts
DNQ036 (3.0)	Cool	High	Y1	COOL-A	1100	363	410	459	509	559	611	664	719	773
			Y1	COOL-B	1050	328	375	424	474	524	576	629	684	738
			Y1	COOL-C	1200	439	489	541	595	652	710	771	835	900
			Y1	COOL-D	1350	576	626	680	737	798	863	932	1005	-
	Heat	N036	W1	HEAT-A	670	162	194	227	258	289	320	-	-	-
			W1	HEAT-B	730	177	213	248	283	318	352	-	-	-
			W1	HEAT-C	790	196	235	274	312	350	388	-	-	-
			W1	HEAT-D	850	220	261	303	344	385	426	-	-	-
		N056	W1	HEAT-A	1050	328	375	424	474	524	-	-	-	-
			W1	HEAT-B	1135	388	437	488	540	594	-	-	-	-
			W1	HEAT-C	1220	456	506	558	613	670	-	-	-	-
			W1	HEAT-D	1300	528	578	631	687	747	-	-	-	-
		D056	W1	HEAT-A	680	164	197	230	262	294	-	-	-	-
			W1	HEAT-B	735	178	215	250	286	321	-	-	-	-
			W1	HEAT-C	790	196	235	274	312	350	-	-	-	-
			W1	HEAT-D	840	216	257	297	338	379	-	-	-	-
			W1+W2	HEAT-A	1050	328	375	424	474	524	-	-	-	-
			W1+W2	HEAT-B	1140	392	441	491	544	598	-	-	-	-
			W1+W2	HEAT-C	1220	456	506	558	613	670	-	-	-	-
			W1+W2	HEAT-D	1300	528	578	631	687	747	-	-	-	-
		N072	W1	HEAT-A	1200	439	489	541	595	-	-	-	-	-
			W1	HEAT-B	1300	528	578	631	687	-	-	-	-	-
			W1	HEAT-C	1400	628	677	731	789	-	-	-	-	-
			W1	HEAT-D	1475	710	759	812	871	-	-	-	-	-
		D072	W1	HEAT-A	790	196	235	274	312	-	-	-	-	-
			W1	HEAT-B	855	222	264	305	347	-	-	-	-	-
			W1	HEAT-C	920	252	296	341	385	-	-	-	-	-
			W1	HEAT-D	975	282	328	374	421	-	-	-	-	-
			W1+W2	HEAT-A	1200	439	489	541	595	-	-	-	-	-
			W1+W2	HEAT-B	1300	528	578	631	687	-	-	-	-	-
			W1+W2	HEAT-C	1400	628	677	731	789	-	-	-	-	-
			W1+W2	HEAT-D	1480	716	764	818	877	-	-	-	-	-
DNQ042 (3.5)	Cool	High	Y1	COOL-A	1400	466	513	561	611	663	715	770	826	882
			Y1	COOL-B	1350	430	476	523	571	621	672	718	766	815
			Y1	COOL-C	1500	544	596	648	702	758	815	867	921	975
			Y1	COOL-D	1600	630	687	745	804	864	926	988	1052	1116
	Heat	N065	W1	HEAT-A	1200	330	373	416	461	507	554	-	-	-
			W1	HEAT-B	1300	394	439	484	531	579	629	-	-	-
			W1	HEAT-C	1400	466	513	561	611	663	715	-	-	-
			W1	HEAT-D	1500	544	596	648	702	758	815	-	-	-
		N090	W1	HEAT-A	1325	412	456	503	550	599	649	-	-	-
			W1	HEAT-B	1400	466	513	561	611	663	715	-	-	-
			W1	HEAT-C	1500	544	596	648	702	758	815	-	-	-
			W1	HEAT-D	1600	630	687	745	804	864	926	-	-	-
		D090	W1	HEAT-A	870	168	215	261	306	350	393	-	-	-
			W1	HEAT-B	920	188	233	278	322	366	409	-	-	-
			W1	HEAT-C	985	216	260	303	347	391	434	-	-	-
			W1	HEAT-D	1050	247	290	333	376	420	464	-	-	-
			W1+W2	HEAT-A	1330	415	460	506	554	603	653	-	-	-
			W1+W2	HEAT-B	1400	466	513	561	611	663	715	-	-	-
			W1+W2	HEAT-C	1500	544	596	648	702	758	815	-	-	-
			W1+W2	HEAT-D	1600	630	687	745	804	864	926	-	-	-

**DNQ Bottom Duct Application (Continued)**

Model (Tons)	Mode		Thermostat Input	Speed Tap	CFM	External Static Pressure (Inch Water Gauge)										
						0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0		
						Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts		
DNQ048 (4.0)	Cool	High	Y1	COOL-A	1500	544	596	648	702	758	815	867	921	975		
			Y1	COOL-B	1400	466	513	561	611	663	715	770	826	882		
			Y1	COOL-C	1600	630	687	745	804	864	926	988	1052	1116		
			Y1	COOL-D	1700	723	787	851	916	982	1049	1116	1185	1247		
	Heat	N065	W1	HEAT-A	1200	330	373	416	461	507	554	-	-	-		
			W1	HEAT-B	1300	394	439	484	531	579	629	-	-	-		
			W1	HEAT-C	1400	466	513	561	611	663	715	-	-	-		
			W1	HEAT-D	1500	544	596	648	702	758	815	-	-	-		
		N090	W1	HEAT-A	1325	412	456	503	550	599	649	-	-	-		
			W1	HEAT-B	1400	466	513	561	611	663	715	-	-	-		
			W1	HEAT-C	1500	544	596	648	702	758	815	-	-	-		
			W1	HEAT-D	1600	630	687	745	804	864	926	-	-	-		
		D090	W1	HEAT-A	870	168	215	261	306	350	393	-	-	-		
			W1	HEAT-B	920	188	233	278	322	366	409	-	-	-		
			W1	HEAT-C	985	216	260	303	347	391	434	-	-	-		
			W1	HEAT-D	1050	247	290	333	376	420	464	-	-	-		
			W1+W2	HEAT-A	1330	415	460	506	554	603	653	-	-	-		
			W1+W2	HEAT-B	1400	466	513	561	611	663	715	-	-	-		
			W1+W2	HEAT-C	1500	544	596	648	702	758	815	-	-	-		
			W1+W2	HEAT-D	1600	630	687	745	804	864	926	-	-	-		
		N110	W1	HEAT-A	1450	504	553	604	656	-	-	-	-	-		
			W1	HEAT-B	1500	544	596	648	702	-	-	-	-	-		
			W1	HEAT-C	1600	630	687	745	804	-	-	-	-	-		
			W1	HEAT-D	1700	723	787	851	916	-	-	-	-	-		
		D110	W1	HEAT-A	940	196	241	285	329	-	-	-	-	-		
			W1	HEAT-B	970	209	253	297	341	-	-	-	-	-		
			W1	HEAT-C	1050	247	290	333	376	-	-	-	-	-		
			W1	HEAT-D	1100	273	315	358	402	-	-	-	-	-		
			W1+W2	HEAT-A	1450	504	553	604	656	-	-	-	-	-		
			W1+W2	HEAT-B	1500	544	596	648	702	-	-	-	-	-		
			W1+W2	HEAT-C	1600	630	687	745	804	-	-	-	-	-		
			W1+W2	HEAT-D	1700	723	787	851	916	-	-	-	-	-		
		DNQ060 (5.0)	Cool	High	Y1	COOL-A	1550	438	480	522	609	696	736	803	866	930
					Y1	COOL-B	1650	510	554	598	690	782	826	896	963	1031
					Y1	COOL-C	1750	589	635	682	778	873	924	995	1066	1137
					Y1	COOL-D	2000	822	875	927	1027	1128	1198	-	-	-
Heat	N065		W1	HEAT-A	1200	251	285	319	382	445	475	-	-	-		
			W1	HEAT-B	1300	295	331	367	438	509	541	-	-	-		
			W1	HEAT-C	1400	346	385	423	501	579	613	-	-	-		
			W1	HEAT-D	1500	405	446	487	572	656	693	-	-	-		
	N090		W1	HEAT-A	1325	307	344	381	453	526	558	-	-	-		
			W1	HEAT-B	1400	346	385	423	501	579	613	-	-	-		
			W1	HEAT-C	1500	405	446	487	572	656	693	-	-	-		
			W1	HEAT-D	1600	473	516	559	649	738	780	-	-	-		
	D090		W1	HEAT-A	870	165	191	218	246	275	307	-	-	-		
			W1	HEAT-B	920	172	200	228	262	296	328	-	-	-		
			W1	HEAT-C	985	185	214	243	285	326	357	-	-	-		
			W1	HEAT-D	1050	201	232	263	311	359	389	-	-	-		
			W1+W2	HEAT-A	1330	309	346	383	456	530	562	-	-	-		
			W1+W2	HEAT-B	1400	346	385	423	501	579	613	-	-	-		
			W1+W2	HEAT-C	1500	405	446	487	572	656	693	-	-	-		
			W1+W2	HEAT-D	1600	473	516	559	649	738	780	-	-	-		
	N110		W1	HEAT-A	1450	375	414	454	536	617	652	-	-	-		
			W1	HEAT-B	1500	405	446	487	572	656	693	-	-	-		
			W1	HEAT-C	1600	473	516	559	649	738	780	-	-	-		
			W1	HEAT-D	1700	548	594	639	733	827	874	-	-	-		
	D110		W1	HEAT-A	940	176	204	232	269	305	336	-	-	-		
			W1	HEAT-B	985	185	214	243	285	326	357	-	-	-		
			W1	HEAT-C	1035	197	227	258	305	351	381	-	-	-		
			W1	HEAT-D	1100	216	248	279	333	386	416	-	-	-		
			W1+W2	HEAT-A	1450	375	414	454	536	617	652	-	-	-		
			W1+W2	HEAT-B	1500	405	446	487	572	656	693	-	-	-		
			W1+W2	HEAT-C	1600	473	516	559	649	738	780	-	-	-		
			W1+W2	HEAT-D	1700	548	594	639	733	827	874	-	-	-		

## DNX Side Duct Application

Size (Tons)	Mode		Thermostat Input	Speed Tap	CFM	External Static Pressure (Inch Water Gauge)								
						0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
						Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts
DNX024 (2.0)	Cool	Low	Y1	COOL-A	600	100	122	145	169	194	221	249	279	310
			Y1	COOL-B	450	65	81	100	122	147	176	208	243	281
			Y1	COOL-C	530	81	100	121	145	170	197	226	258	291
			Y1	COOL-D	680	127	151	176	202	228	256	284	313	342
		High	Y1+Y2	COOL-A	800	177	204	232	261	290	320	350	382	414
			Y1+Y2	COOL-B	600	100	122	145	169	194	221	249	279	310
			Y1+Y2	COOL-C	700	134	159	184	211	238	265	293	323	352
			Y1+Y2	COOL-D	900	229	258	288	319	351	385	420	457	494
	Heat	N036	W1	HEAT-A	670	123	147	172	197	224	251	-	-	-
			W1	HEAT-B	730	146	172	198	225	252	280	-	-	-
			W1	HEAT-C	790	173	199	227	255	284	314	-	-	-
			W1	HEAT-D	850	202	230	259	289	319	351	-	-	-
		N056	W1	HEAT-A	940	253	281	312	344	378	-	-	-	-
			W1	HEAT-B	975	274	303	334	368	403	-	-	-	-
			W1	HEAT-C	1000	290	319	351	385	422	-	-	-	-
			W1	HEAT-D	1050	324	353	386	422	461	-	-	-	-
		D056	W1	HEAT-A	670	123	147	172	197	224	-	-	-	-
			W1	HEAT-B	690	130	155	180	206	233	-	-	-	-
			W1	HEAT-C	710	138	163	189	215	242	-	-	-	-
			W1	HEAT-D	750	155	181	207	235	262	-	-	-	-
			W1+W2	HEAT-A	940	253	281	312	344	378	-	-	-	-
			W1+W2	HEAT-B	970	271	300	331	364	400	-	-	-	-
			W1+W2	HEAT-C	1000	290	319	351	385	422	-	-	-	-
			W1+W2	HEAT-D	1050	324	353	386	422	461	-	-	-	-
DNX036 (3.0)	Cool	Low	Y1	COOL-A	900	198	233	272	313	358	406	458	512	569
			Y1	COOL-B	760	166	190	222	262	310	366	431	503	584
			Y1	COOL-C	830	180	210	245	286	332	384	441	503	571
			Y1	COOL-D	970	221	260	302	344	388	434	481	530	579
		High	Y1+Y2	COOL-A	1250	361	408	454	501	548	594	640	687	733
			Y1+Y2	COOL-B	1050	253	296	340	384	428	472	516	561	605
			Y1+Y2	COOL-C	1150	302	348	394	439	484	528	571	615	657
			Y1+Y2	COOL-D	1350	429	475	522	570	620	671	723	777	831
	Heat	N065	W1	HEAT-A	1200	330	377	423	469	515	560	-	-	-
			W1	HEAT-B	1300	394	440	487	535	583	631	-	-	-
			W1	HEAT-C	1400	467	511	558	607	659	713	-	-	-
			W1	HEAT-D	1500	550	590	635	686	743	804	-	-	-
		N090	W1	HEAT-A	1150	302	348	394	439	484	528	-	-	-
			W1	HEAT-B	1225	345	392	439	485	531	577	-	-	-
			W1	HEAT-C	1275	377	424	471	518	565	612	-	-	-
			W1	HEAT-D	1350	429	475	522	570	620	671	-	-	-
		D090	W1	HEAT-A	740	163	185	216	255	304	362	-	-	-
			W1	HEAT-B	785	170	196	230	270	317	372	-	-	-
			W1	HEAT-C	825	178	208	243	284	330	382	-	-	-
			W1	HEAT-D	870	189	223	260	301	347	396	-	-	-
			W1+W2	HEAT-A	1150	302	348	394	439	484	528	-	-	-
			W1+W2	HEAT-B	1220	342	389	436	482	528	573	-	-	-
			W1+W2	HEAT-C	1280	380	427	474	521	568	616	-	-	-
			W1+W2	HEAT-D	1350	429	475	522	570	620	671	-	-	-



**DNX Side Duct Application (Continued)**

Size (Tons)	Mode	Thermostat Input	Speed Tap	CFM	External Static Pressure (Inch Water Gauge)									
					0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	
					Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	
DNX048 (4.0)	Cool	Low	Y1	COOL-A	1030	237	280	323	367	411	455	499	543	588
			Y1	COOL-B	930	192	237	282	326	369	413	455	497	539
			Y1	COOL-C	1070	257	300	343	386	430	475	520	565	611
			Y1	COOL-D	1130	289	332	375	419	463	509	555	602	649
		High	Y1+Y2	COOL-A	1550	586	640	696	752	810	869	929	991	1053
			Y1+Y2	COOL-B	1400	466	513	561	611	663	715	770	826	882
			Y1+Y2	COOL-C	1600	630	687	745	804	864	926	988	1052	1116
			Y1+Y2	COOL-D	1700	723	787	851	916	982	1049	1116	1185	-
	Heat	N065	W1	HEAT-A	1200	330	373	416	461	507	554	-	-	-
			W1	HEAT-B	1300	394	439	484	531	579	629	-	-	-
			W1	HEAT-C	1400	466	513	561	611	663	715	-	-	-
			W1	HEAT-D	1500	544	596	648	702	758	815	-	-	-
		N090	W1	HEAT-A	1325	412	456	503	550	599	649	-	-	-
			W1	HEAT-B	1400	466	513	561	611	663	715	-	-	-
			W1	HEAT-C	1500	544	596	648	702	758	815	-	-	-
			W1	HEAT-D	1600	630	687	745	804	864	926	-	-	-
		D090	W1	HEAT-A	870	168	215	261	306	350	393	-	-	-
			W1	HEAT-B	920	188	233	278	322	366	409	-	-	-
			W1	HEAT-C	985	216	260	303	347	391	434	-	-	-
			W1	HEAT-D	1050	247	290	333	376	420	464	-	-	-
			W1+W2	HEAT-A	1330	415	460	506	554	603	653	-	-	-
			W1+W2	HEAT-B	1400	466	513	561	611	663	715	-	-	-
			W1+W2	HEAT-C	1500	544	596	648	702	758	815	-	-	-
			W1+W2	HEAT-D	1600	630	687	745	804	864	926	-	-	-
		N110	W1	HEAT-A	1450	504	553	604	656	-	-	-	-	-
			W1	HEAT-B	1500	544	596	648	702	-	-	-	-	-
			W1	HEAT-C	1600	630	687	745	804	-	-	-	-	-
			W1	HEAT-D	1700	723	787	851	916	-	-	-	-	-
D110	W1	HEAT-A	940	196	241	285	329	-	-	-	-	-		
	W1	HEAT-B	970	209	253	297	341	-	-	-	-	-		
	W1	HEAT-C	1050	247	290	333	376	-	-	-	-	-		
	W1	HEAT-D	1100	273	315	358	402	-	-	-	-	-		
	W1+W2	HEAT-A	1450	504	553	604	656	-	-	-	-	-		
	W1+W2	HEAT-B	1500	544	596	648	702	-	-	-	-	-		
	W1+W2	HEAT-C	1600	630	687	745	804	-	-	-	-	-		
	W1+W2	HEAT-D	1700	723	787	851	916	-	-	-	-	-		

## DNX Bottom Duct Application

Model (Tons)	Mode		Thermostat Input	Speed Tap	CFM	External Static Pressure (Inch Water Gauge)								
						0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
						Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts
DNX024 (2.0)	Cool	Low	Y1	COOL-A	600	100	122	145	169	194	221	249	279	310
			Y1	COOL-B	450	65	81	100	122	147	176	208	243	281
			Y1	COOL-C	530	81	100	121	145	170	197	226	258	291
			Y1	COOL-D	680	127	151	176	202	228	256	284	313	342
		High	Y1+Y2	COOL-A	800	177	204	232	261	290	320	350	382	414
			Y1+Y2	COOL-B	600	100	122	145	169	194	221	249	279	310
			Y1+Y2	COOL-C	700	134	159	184	211	238	265	293	323	352
			Y1+Y2	COOL-D	900	229	258	288	319	351	385	420	457	494
	Heat	N036	W1	HEAT-A	670	123	147	172	197	224	251	-	-	-
			W1	HEAT-B	730	146	172	198	225	252	280	-	-	-
			W1	HEAT-C	790	173	199	227	255	284	314	-	-	-
			W1	HEAT-D	850	202	230	259	289	319	351	-	-	-
		N056	W1	HEAT-A	940	253	281	312	344	378	-	-	-	-
			W1	HEAT-B	975	274	303	334	368	403	-	-	-	-
			W1	HEAT-C	1000	290	319	351	385	422	-	-	-	-
			W1	HEAT-D	1050	324	353	386	422	461	-	-	-	-
		D056	W1	HEAT-A	670	123	147	172	197	224	-	-	-	-
			W1	HEAT-B	690	130	155	180	206	233	-	-	-	-
			W1	HEAT-C	710	138	163	189	215	242	-	-	-	-
			W1	HEAT-D	750	155	181	207	235	262	-	-	-	-
			W1+W2	HEAT-A	940	253	281	312	344	378	-	-	-	-
			W1+W2	HEAT-B	970	271	300	331	364	400	-	-	-	-
			W1+W2	HEAT-C	1000	290	319	351	385	422	-	-	-	-
			W1+W2	HEAT-D	1050	324	353	386	422	461	-	-	-	-
DNX036 (3.0)	Cool	Low	Y1	COOL-A	900	198	233	272	313	358	406	458	512	569
			Y1	COOL-B	760	166	190	222	262	310	366	431	503	584
			Y1	COOL-C	830	180	210	245	286	332	384	441	503	571
			Y1	COOL-D	970	221	260	302	344	388	434	481	530	579
		High	Y1+Y2	COOL-A	1250	361	408	454	501	548	594	640	687	733
			Y1+Y2	COOL-B	1050	253	296	340	384	428	472	516	561	605
			Y1+Y2	COOL-C	1150	302	348	394	439	484	528	571	615	657
			Y1+Y2	COOL-D	1350	429	475	522	570	620	671	723	777	831
	Heat	N065	W1	HEAT-A	1200	330	377	423	469	515	560	-	-	-
			W1	HEAT-B	1300	394	440	487	535	583	631	-	-	-
			W1	HEAT-C	1400	467	511	558	607	659	713	-	-	-
			W1	HEAT-D	1500	550	590	635	686	743	804	-	-	-
		N090	W1	HEAT-A	1150	302	348	394	439	484	528	-	-	-
			W1	HEAT-B	1225	345	392	439	485	531	577	-	-	-
			W1	HEAT-C	1275	377	424	471	518	565	612	-	-	-
			W1	HEAT-D	1350	429	475	522	570	620	671	-	-	-
		D090	W1	HEAT-A	740	163	185	216	255	304	362	-	-	-
			W1	HEAT-B	785	170	196	230	270	317	372	-	-	-
			W1	HEAT-C	825	178	208	243	284	330	382	-	-	-
			W1	HEAT-D	870	189	223	260	301	347	396	-	-	-
			W1+W2	HEAT-A	1150	302	348	394	439	484	528	-	-	-
			W1+W2	HEAT-B	1220	342	389	436	482	528	573	-	-	-
			W1+W2	HEAT-C	1280	380	427	474	521	568	616	-	-	-
			W1+W2	HEAT-D	1350	429	475	522	570	620	671	-	-	-

**DNX Bottom Duct Application (Continued)**

Model (Tons)	Mode	Thermostat Input	Speed Tap	CFM	External Static Pressure (Inch Water Gauge)									
					0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	
					Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	
DNX048 (4.0)	Cool	Low	Y1	COOL-A	1030	237	280	323	367	411	455	499	543	588
			Y1	COOL-B	930	192	237	282	326	369	413	455	497	539
			Y1	COOL-C	1070	257	300	343	386	430	475	520	565	611
			Y1	COOL-D	1130	289	332	375	419	463	509	555	602	649
		High	Y1+Y2	COOL-A	1550	586	640	696	752	810	869	929	991	1053
			Y1+Y2	COOL-B	1400	466	513	561	611	663	715	770	826	882
			Y1+Y2	COOL-C	1600	630	687	745	804	864	926	988	1052	1116
			Y1+Y2	COOL-D	1700	723	787	851	916	982	1049	1116	1185	-
	Heat	N065	W1	HEAT-A	1200	330	373	416	461	507	554	-	-	-
			W1	HEAT-B	1300	394	439	484	531	579	629	-	-	-
			W1	HEAT-C	1400	466	513	561	611	663	715	-	-	-
			W1	HEAT-D	1500	544	596	648	702	758	815	-	-	-
		N090	W1	HEAT-A	1325	412	456	503	550	599	649	-	-	-
			W1	HEAT-B	1400	466	513	561	611	663	715	-	-	-
			W1	HEAT-C	1500	544	596	648	702	758	815	-	-	-
			W1	HEAT-D	1600	630	687	745	804	864	926	-	-	-
		D090	W1	HEAT-A	870	168	215	261	306	350	393	-	-	-
			W1	HEAT-B	920	188	233	278	322	366	409	-	-	-
			W1	HEAT-C	985	216	260	303	347	391	434	-	-	-
			W1	HEAT-D	1050	247	290	333	376	420	464	-	-	-
			W1+W2	HEAT-A	1330	415	460	506	554	603	653	-	-	-
			W1+W2	HEAT-B	1400	466	513	561	611	663	715	-	-	-
			W1+W2	HEAT-C	1500	544	596	648	702	758	815	-	-	-
			W1+W2	HEAT-D	1600	630	687	745	804	864	926	-	-	-
		N110	W1	HEAT-A	1450	504	553	604	656	-	-	-	-	-
			W1	HEAT-B	1500	544	596	648	702	-	-	-	-	-
			W1	HEAT-C	1600	630	687	745	804	-	-	-	-	-
			W1	HEAT-D	1700	723	787	851	916	-	-	-	-	-
D110	W1	HEAT-A	940	196	241	285	329	-	-	-	-	-		
	W1	HEAT-B	970	209	253	297	341	-	-	-	-	-		
	W1	HEAT-C	1050	247	290	333	376	-	-	-	-	-		
	W1	HEAT-D	1100	273	315	358	402	-	-	-	-	-		
	W1+W2	HEAT-A	1450	504	553	604	656	-	-	-	-	-		
	W1+W2	HEAT-B	1500	544	596	648	702	-	-	-	-	-		
	W1+W2	HEAT-C	1600	630	687	745	804	-	-	-	-	-		
	W1+W2	HEAT-D	1700	723	787	851	916	-	-	-	-	-		

## DNZ Gas Heat Minimum Supply Air

Model (Tons)	Heat Size	Supply Air (CFM)			
		Cooling		Heating	
		Min	Max	Min	Max
DNZ024 (2.0)	N036	600	1000	610	1330
	D056	600	1000	860	1730
DNZ030 (2.5)	N036	750	1250	610	1330
	D056	750	1250	860	1730
DNZ036 (3.0)	N036	1200	1500	610	1330
	N056	1200	1500	940	2070
	D056	1200	1500	940	2070
	N072	1200	1500	1110	2220
DNZ042 (3.5)	D072	1200	1500	1110	2220
	N065	1050	1750	1080	2370
	N090	1050	1750	1070	1780
DNZ048 (4.0)	D090	1050	1750	1070	1780
	N065	1200	2000	1080	2370
	N090	1200	2000	1230	2290
DNZ060 (5.0)	D090	1200	2000	1230	2290
	N110	1200	2000	1330	2220
	D110	1200	2000	1330	2220
	N065	1500	2100	1080	2370
DNZ060 (5.0)	N090	1500	2100	1230	2290
	D090	1500	2100	1230	2290
	N110	1500	2100	1330	2220
	D110	1500	2100	1330	2220

## DNQ Gas Heat Minimum Supply Air

Model (Tons)	Heat Size	Supply Air (CFM)			
		Cooling		Heating	
		Min	Max	Min	Max
DNQ024 (2.0)	N036	450	900	610	1330
	N056	450	900	860	1730
	D056	450	900	860	1730
DNQ030 (2.5)	N036	750	1250	610	1330
	N056	750	1250	860	1730
	D056	750	1250	860	1730
DNQ036 (3.0)	N036	700	1350	610	1330
	N056	700	1350	940	2070
	D056	700	1350	940	2070
	N072	700	1350	1110	2220
DNQ042 (3.5)	D072	700	1350	1110	2220
	N065	1050	1750	1080	2370
	N090	1050	1750	1070	1780
DNQ048 (4.0)	D090	1050	1750	1070	1780
	N065	930	1700	1080	2370
	N090	930	1700	1230	2290
DNQ060 (5.0)	D090	930	1700	1230	2290
	N110	930	1700	1330	2220
	D110	930	1700	1330	2220
	N065	1060	1800	1080	2370
DNQ060 (5.0)	N090	1060	1800	1230	2290
	D090	1060	1800	1230	2290
	N110	1060	1800	1330	2220
	D110	1060	1800	1330	2220

## DNX Gas Heat Minimum Supply Air

Model (Tons)		Heat Size	Supply Air (CFM)			
			Cooling		Heating	
			Min	Max	Min	Max
DNX024 (2.0)		N036	450	900	610	1330
		N056	450	900	860	1730
		D056	450	900	860	1730
DNX036 (3.0)	DNX	N065	685	1350	1080	2370
		N090	685	1350	1070	1780
		D090	685	1350	1070	1780
DNX048 (4.0)	DNX	N065	930	1700	1080	2370
		N090	930	1700	1230	2290
		D090	930	1700	1230	2290
		N110	930	1700	1330	2220
		D110	930	1700	1330	2220

**DNZ/DNQ Indoor Blower Specifications**

Model (Tons)	Motor				
	HP	RPM	Eff.	SF	Frame
DNZ/DNQ 024 (2.0)	1/2	Variable	0.8	1.0	48
DNZ/DNQ 030 (2.5)	3/4	Variable	0.8	1.0	48
DNZ/DNQ 036 (3.0)	3/4	Variable	0.8	1.0	48
DNZ/DNQ 042 (3.5)	3/4	Variable	0.8	1.0	48
DNZ/DNQ 048 (4.0)	1	Variable	0.8	1.0	48
DNZ/DNQ 060 (5.0)	1	Variable	0.8	1.0	48

**DNX Indoor Blower Specifications**

Model (Tons)	Motor				
	HP	RPM	Eff.	SF	Frame
DNX024 (2.0)	1/2	Variable	0.8	1.0	48
DNX036 (3.0)	1	Variable	0.8	1.0	48
DNX048 (4.0)	1	Variable	0.8	1.0	48

**Sound Performance****DNZ Outdoor Sound Power Levels**

Model (Tons)	Sound Rating <sup>1</sup> dB (A)	Octave Band Centerline Frequency (Hz)						
		125	250	500	1000	2000	4000	8000
DNZ024 (2.0)	77	64	65.5	68	72.5	64.5	60.5	48.5
DNZ030 (2.5)	74	63.5	64.5	66.5	67	63	57.5	51.5
DNZ036 (3.0)	74	66.5	66.5	69.5	68	63	59	49.5
DNZ042 (3.5)	79	70	70.5	73.5	73	69.5	67	66
DNZ048 (4.0)	79	70.5	71	73.5	73	70	66	66
DNZ060 (5.0)	80	73	71.5	74.5	75	70.5	67	62.5

1. Rated in accordance with AHRI 270 standard.

**DNQ Outdoor Sound Power Levels**

Model (Tons)	Sound Rating <sup>1</sup> dB (A)	Octave Band Centerline Frequency (Hz)						
		125	250	500	1000	2000	4000	8000
DNQ024 (2.0)	80	66	70.5	74	74.5	72.5	67.5	64.5
DNQ030 (2.5)	74	63.5	64.5	66.5	67	63	57.5	51.5
DNQ036 (3.0)	79.5	69	71.5	74	74	70.5	67	61
DNQ042 (3.5)	79	70	70.5	73.5	73	69.5	67	66
DNQ048 (4.0)	80	71.5	71.5	73.5	74	69.5	65	63.5
DNQ060 (5.0)	81	73.5	73	76	75.5	71	66.5	61.5

1. Rated in accordance with AHRI 270 standard.

**DNX Outdoor Sound Power Levels**

Model (Tons)	Sound Rating <sup>1</sup> dB (A)	Octave Band Centerline Frequency (Hz)						
		125	250	500	1000	2000	4000	8000
DNX024 (2.0)	80	66	70.5	74	74.5	72.5	67.5	64.5
DNX036 (3.0)	80	70.5	71	74.5	74	71	67.5	64
DNX048 (4.0)	81	72.5	73	76	75.5	71	67.5	65

1. Rated in accordance with AHRI 270 standard.

## Electrical Data

### DNZ Electrical Data

Model (Tons)	Volt	Compressor			OD Fan Motor	Supply Blower Motor	MCA <sup>1</sup> (Amps)	Max Fuse <sup>2</sup> / Breaker <sup>3</sup> Size (Amps)
		RLA	LRA	MCC	FLA	FLA		
DNZ024 (2.0)	208/230-1-60	9.3	43	15	1.4	4.1	17.1	25
DNZ030 (2.5)	208/230-1-60	13.1	74	21	1.3	6.0	23.7	30
	208/230-3-60	8.6	68	14	1.3	6.0	18.1	25
	460-3-60	4.5	34	7	0.75	3.0	8.6	15
DNZ036 (3.0)	208/230-1-60	14.7	74	23	1.3	6.0	25.7	35
	208/230-3-60	9.1	68	14	1.3	6.0	18.7	25
	460-3-60	4.5	34	7	0.8	3.0	9.4	15
DNZ042 (3.5)	208/230-1-60	15.7	88	25	1.7	6.0	27.3	35
	208/230-3-60	9.3	68	15	1.7	6.0	19.3	25
	460-3-60	5.1	34	8	1.0	3.0	10.4	15
DNZ048 (4.0)	208/230-1-60	21.8	117	34	1.7	7.6	36.6	45
	208/230-3-60	13.7	83	21	1.7	7.6	26.4	35
	460-3-60	6.2	41	10	1.0	3.8	12.6	15
DNZ060 (5.0)	208/230-1-60	26.4	134	41	2.3	7.6	42.9	60
	208/230-3-60	15.9	110	25	2.3	7.6	29.8	40
	460-3-60	7.7	52	12	1.3	3.8	14.7	20

1. Minimum Circuit Ampacity.
2. Maximum Over Current Protection per standard UL 1995.
3. Fuse or HACR circuit breaker size installed at factory or field installed.

### DNQ Electrical Data

Model (Tons)	Volt	Compressor			OD Fan Motor	Supply Blower Motor	MCA <sup>1</sup> (Amps)	Max Fuse <sup>2</sup> / Breaker <sup>3</sup> Size (Amps)
		RLA	LRA	MCC	FLA	FLA		
DNQ024 (2.0)	208/230-1-60	8.3	43	13	1.4	4.3	16.1	20
DNQ030 (2.5)	208/230-1-60	14.1	73	22	1.4	6.8	25.8	35
	208/230-3-60	8.9	58	14	1.4	6.8	19.3	25
	460-3-60	4.2	28	7	0.8	3.4	9.5	15
DNQ036 (3.0)	208/230-1-60	14.1	77	22	1.4	6.8	25.8	35
	208/230-3-60	9.0	71	14	1.4	6.8	19.5	25
	460-3-60	5.6	38	9	0.8	3.4	11.2	15
DNQ042	208/230-1-60	17.9	112	28	1.7	9.1	33.2	40
	208/230-3-60	13.2	88	21	1.7	9.1	27.3	35
	460-3-60	6.0	44	9	0.9	4.6	13	15
DNQ048 (4.0)	208/230-1-60	20.5	115	32	1.7	9.1	36.4	45
	208/230-3-60	16.0	120	25	1.7	9.1	30.8	40
	460-3-60	7.7	50	12	0.9	4.6	15.1	20
DNQ060 (5.0)	208/230-1-60	25.0	134	39	2.8	9.1	43.2	60
	208/230-3-60	15.9	110	25	2.8	9.1	31.8	40
	460-3-60	7.7	52	12	1.4	4.6	15.6	20

1. Minimum Circuit Ampacity.
2. Maximum Over Current Protection per standard UL 1995.
3. Fuse or HACR circuit breaker size installed at factory or field installed.

**DNX Electrical Data**

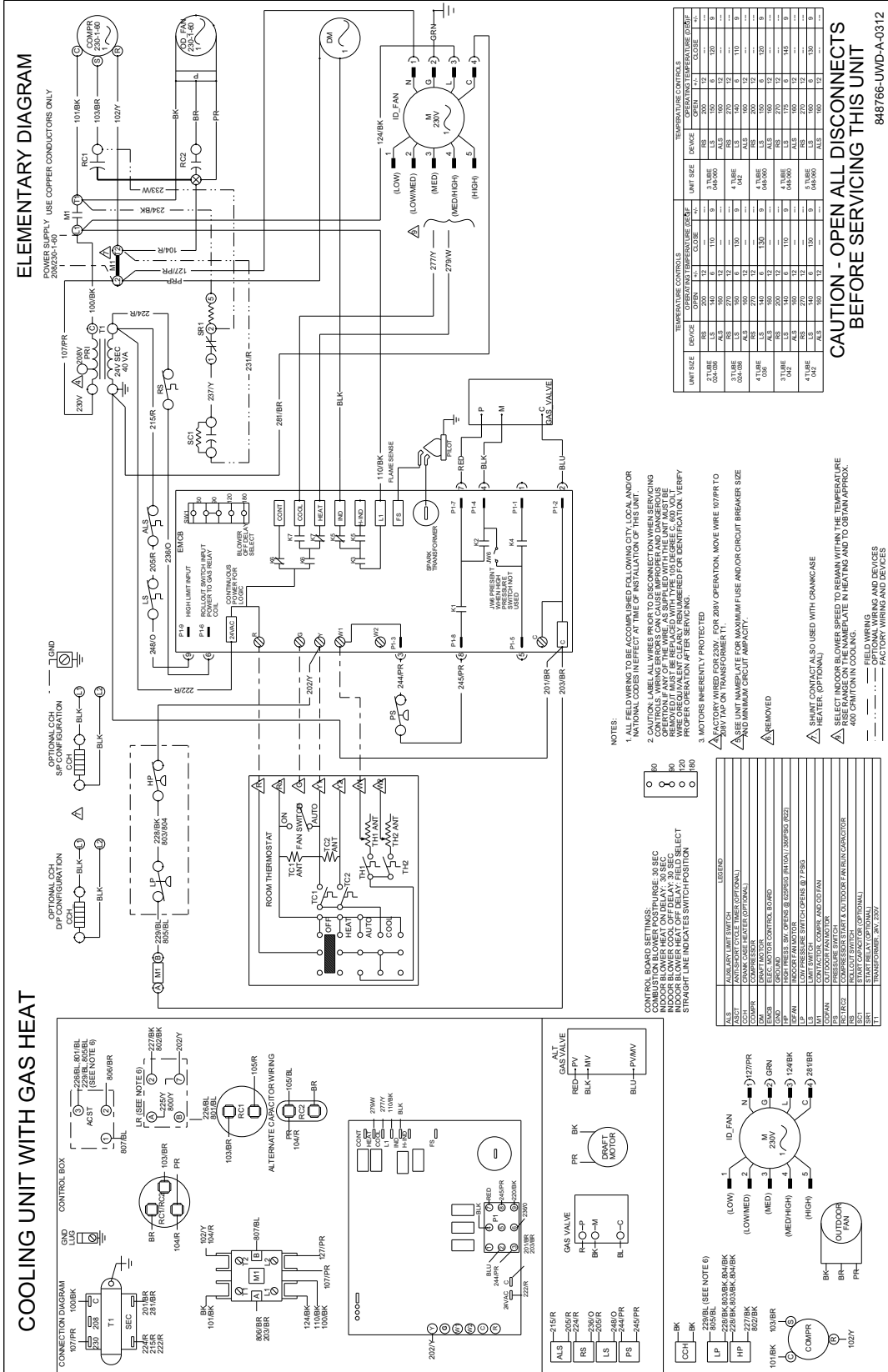
Model (Tons)	Volt	Compressor			OD Fan Motor	Supply Blower Motor	MCA <sup>1</sup> (Amps)	Max Fuse <sup>2</sup> / Breaker <sup>3</sup> Size (Amps)
		RLA	LRA	MCC	FLA	FLA		
DNX024 (2.0)	208/230-1-60	10.2	52	16	1.4	4.3	18.1	25
	208/230-1-60	16.6	82	26	0.9	9.1	30.7	40
DNX036 (3.0)	208/230-3-60	11.1	58	17	0.9	9.1	23.8	30
	460-3-60	4.5	29	7	0.5	4.6	10.7	15
DNX048 (4.0)	208/230-1-60	21.1	96	33	1.8	9.1	36.3	45
	208/230-3-60	13.4	88	21	1.8	9.1	26.7	35
	460-3-60	6.4	41	10	0.9	4.6	13.0	15

1. Minimum Circuit Ampacity.
2. Maximum Over Current Protection per standard UL 1995.
3. Fuse or HACR circuit breaker size installed at factory or field installed.

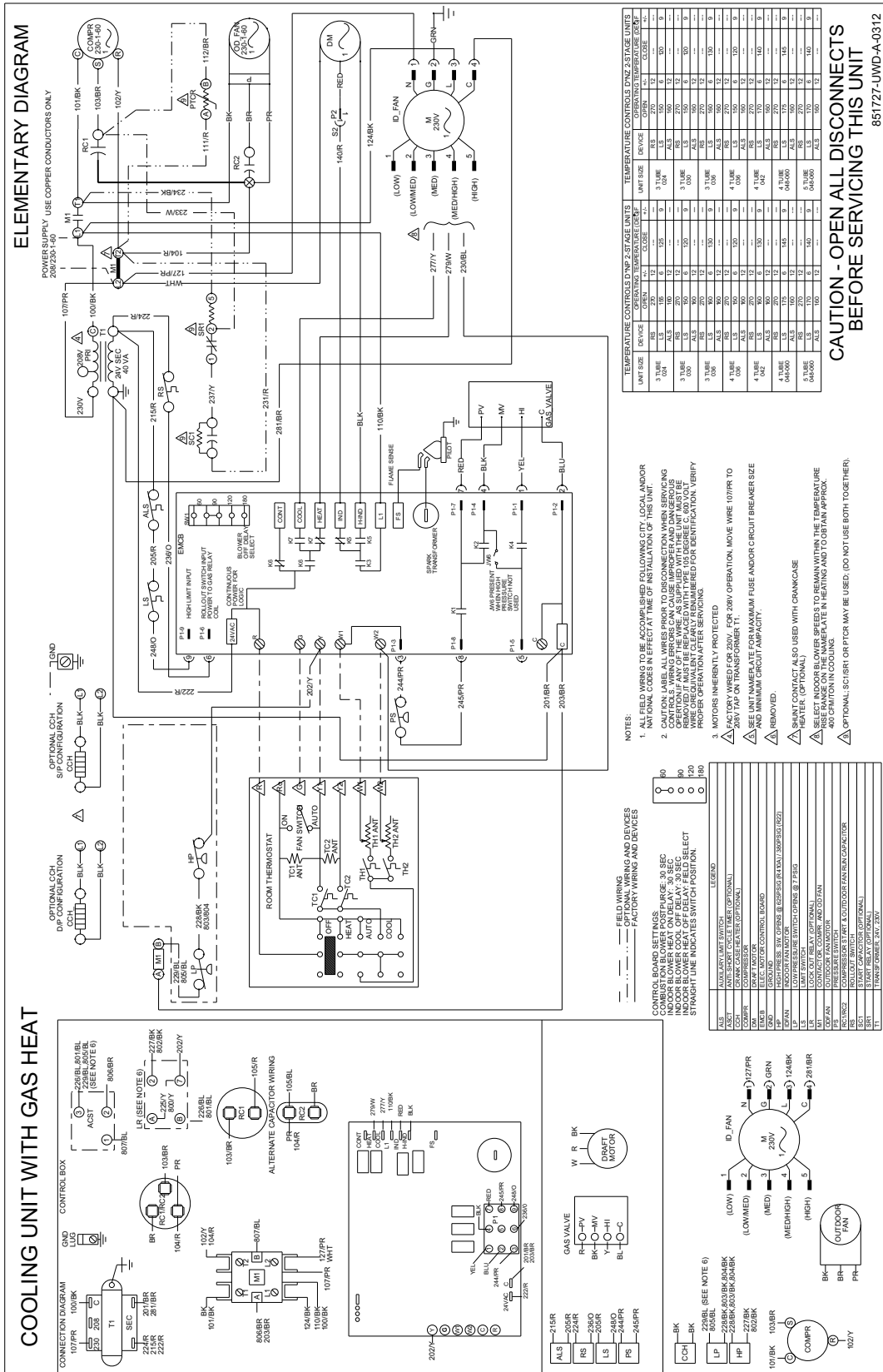


# Typical Wiring Diagrams

## Typical DNZ024-060 Cooling Unit with Single Stage Gas Heat 208/230-1-60 volt Wiring Diagram

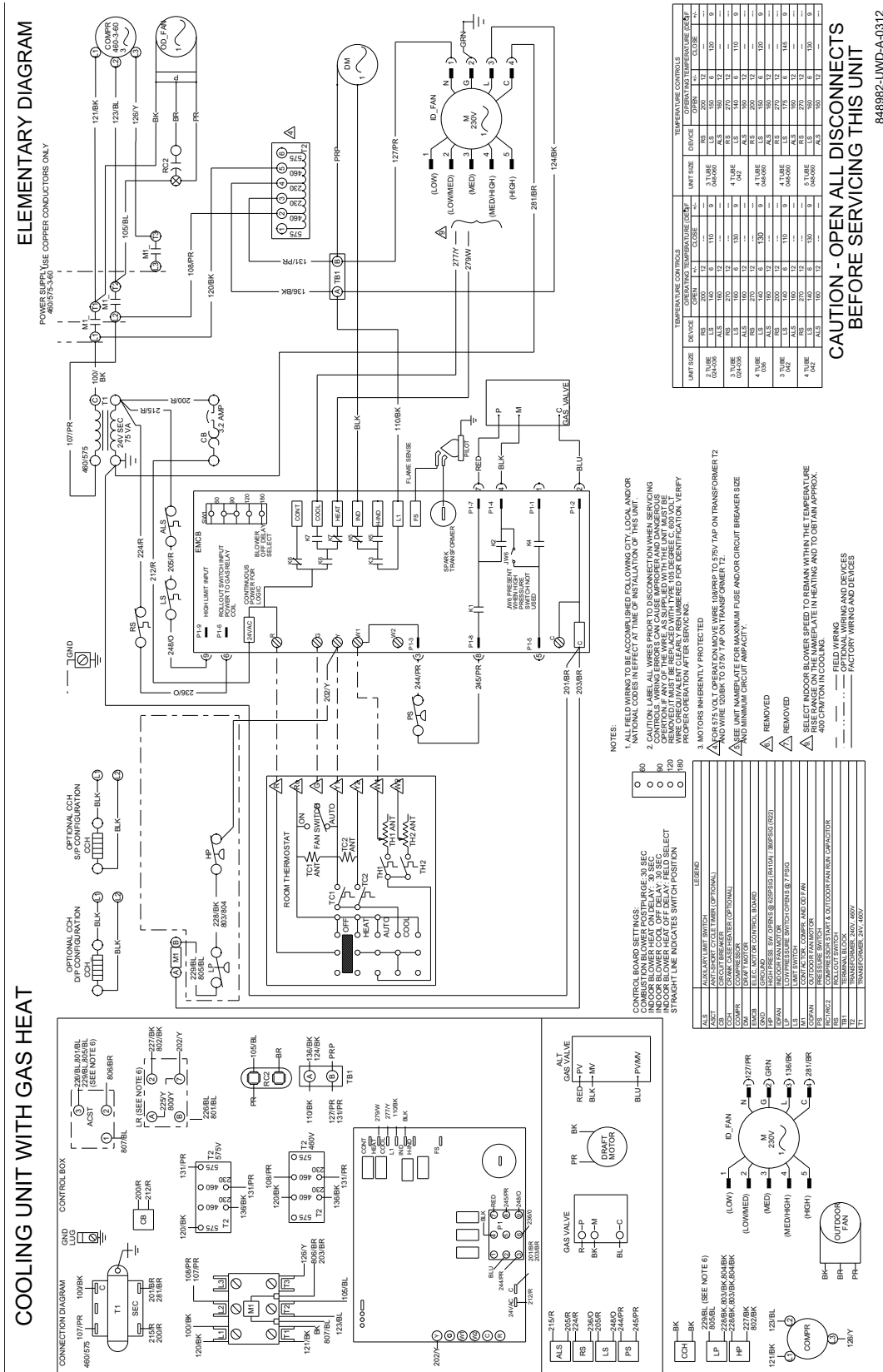


Typical DNZ024-060 Cooling Unit with Two Stage Gas Heat 208/230-1-60 volt Wiring Diagram





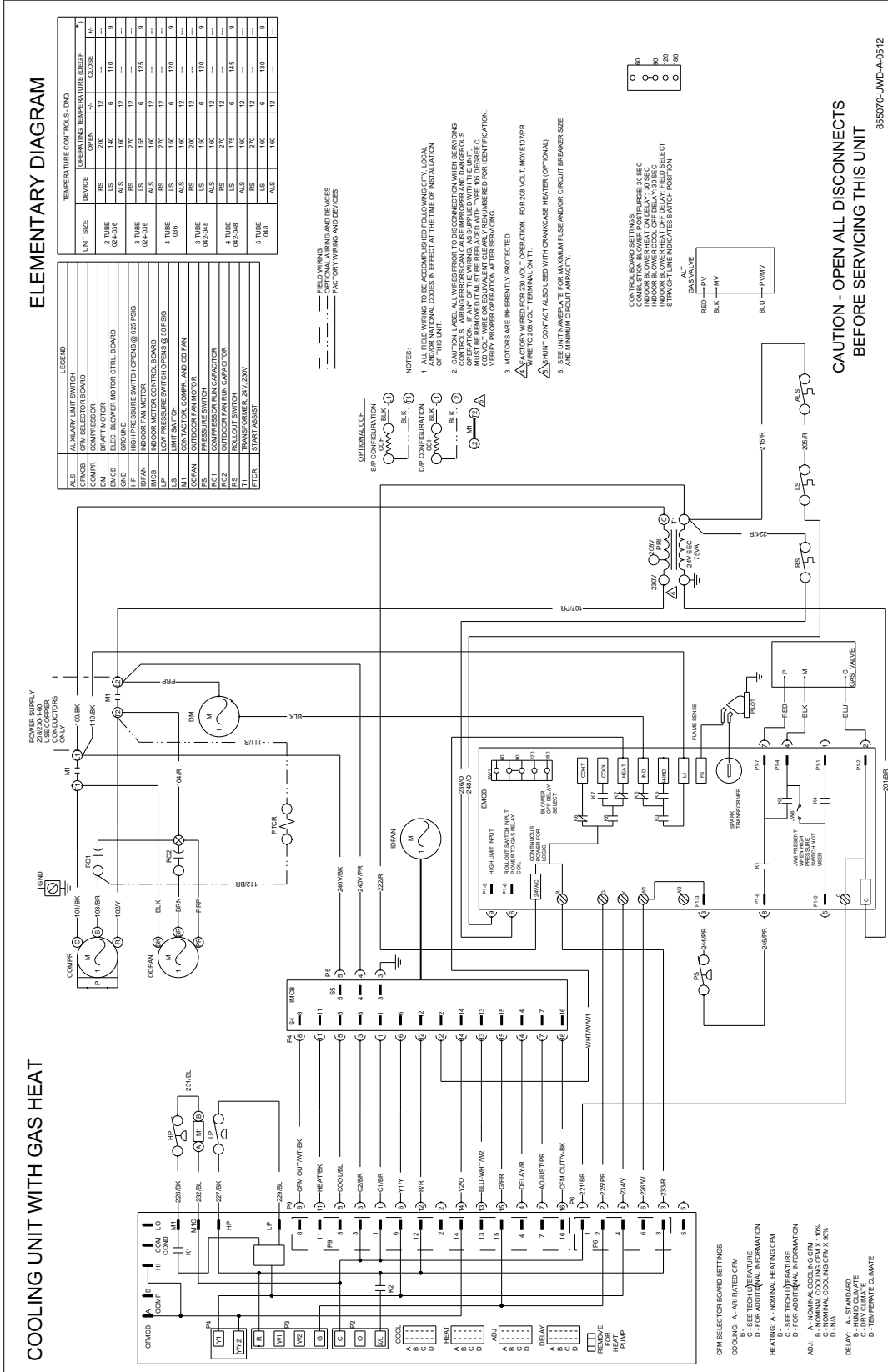
Typical DNZ030-060 Cooling Unit with Single Stage Gas Heat 460-3-60 volt Wiring Diagram



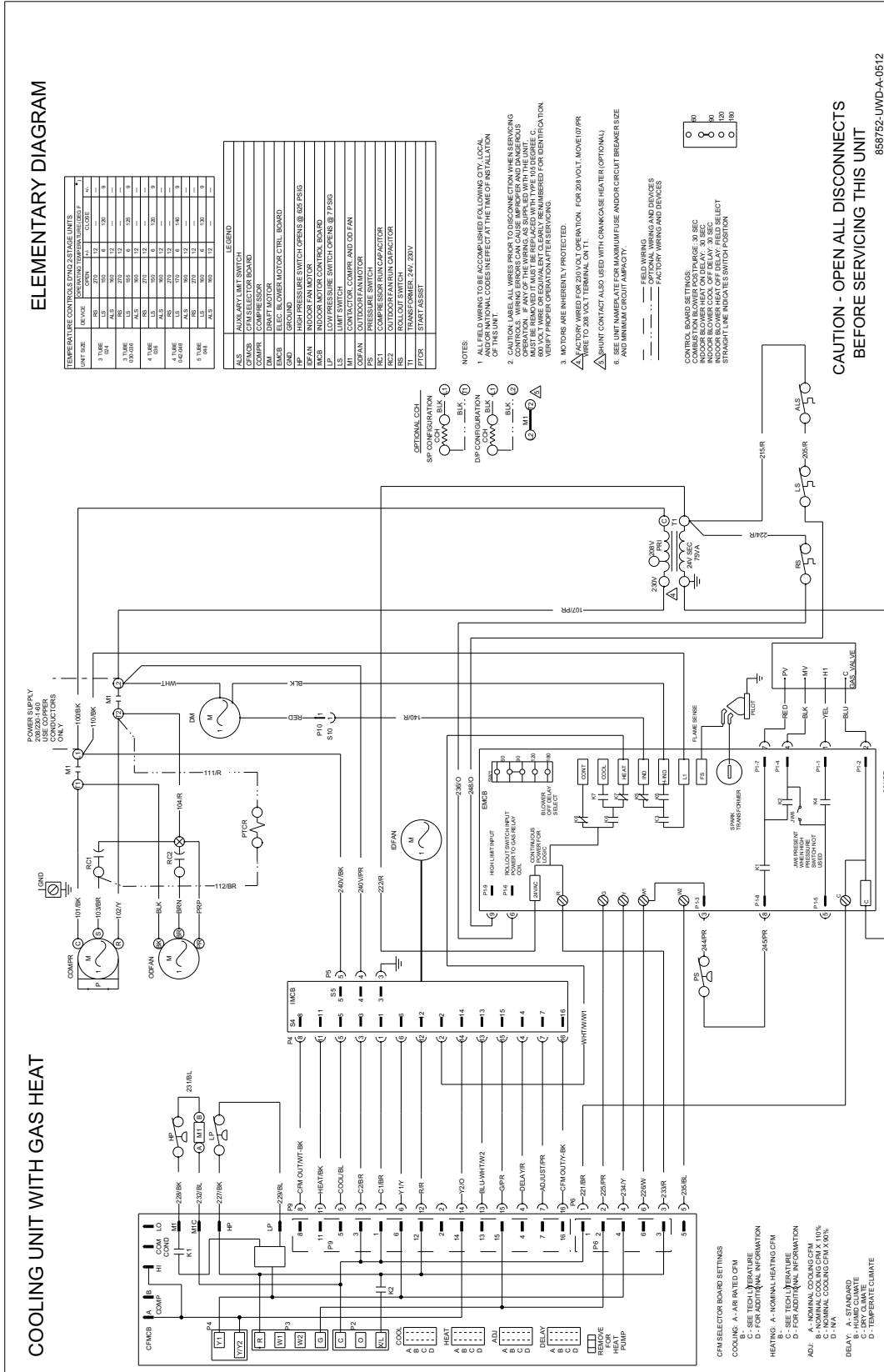
**CAUTION - OPEN ALL DISCONNECTS BEFORE SERVICING THIS UNIT**

848982-UWD-A-0312

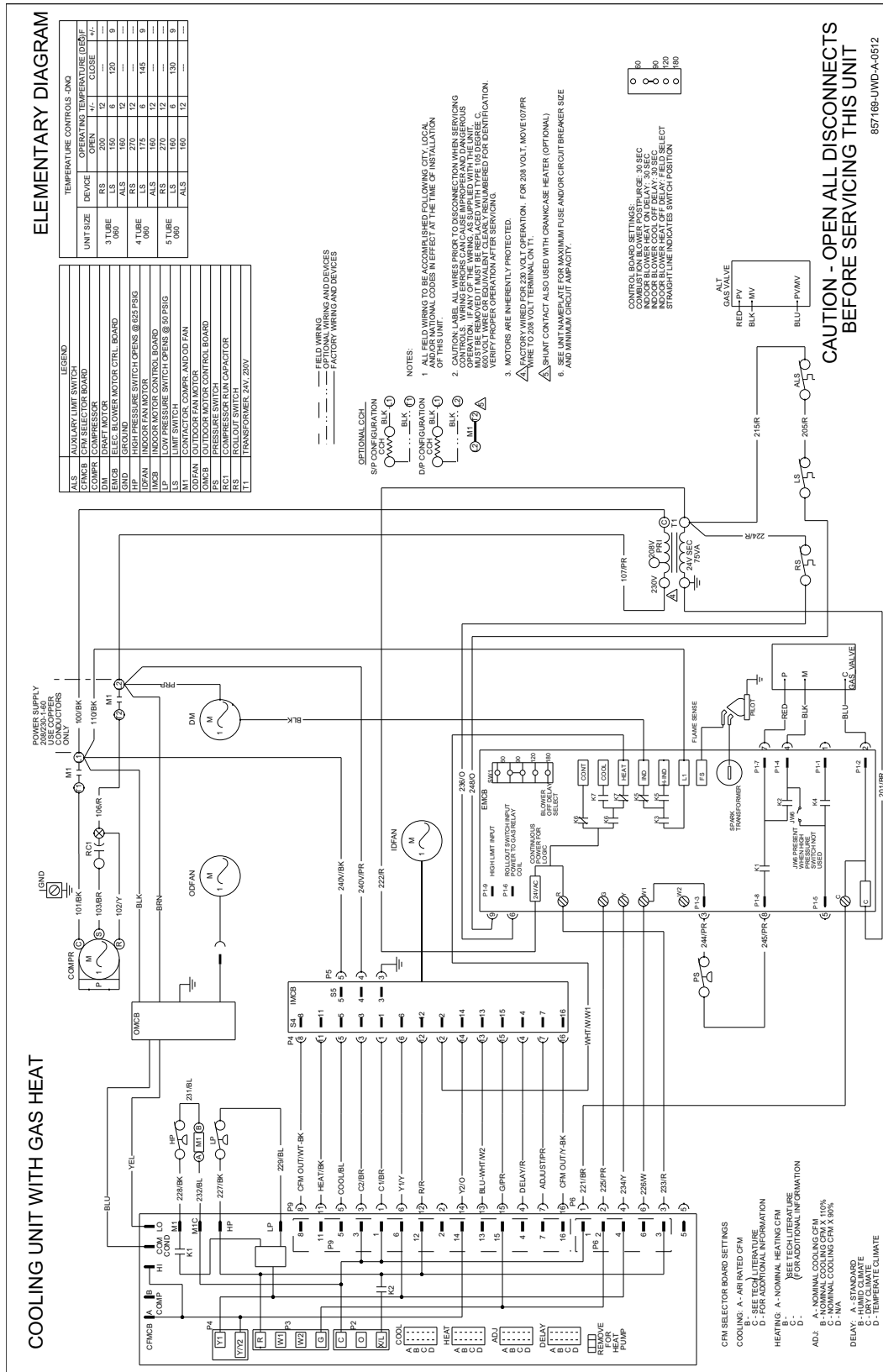
Typical DNQ024-048 Cooling Unit with Single Stage Gas Heat 208/230-1-60 volt Wiring Diagram



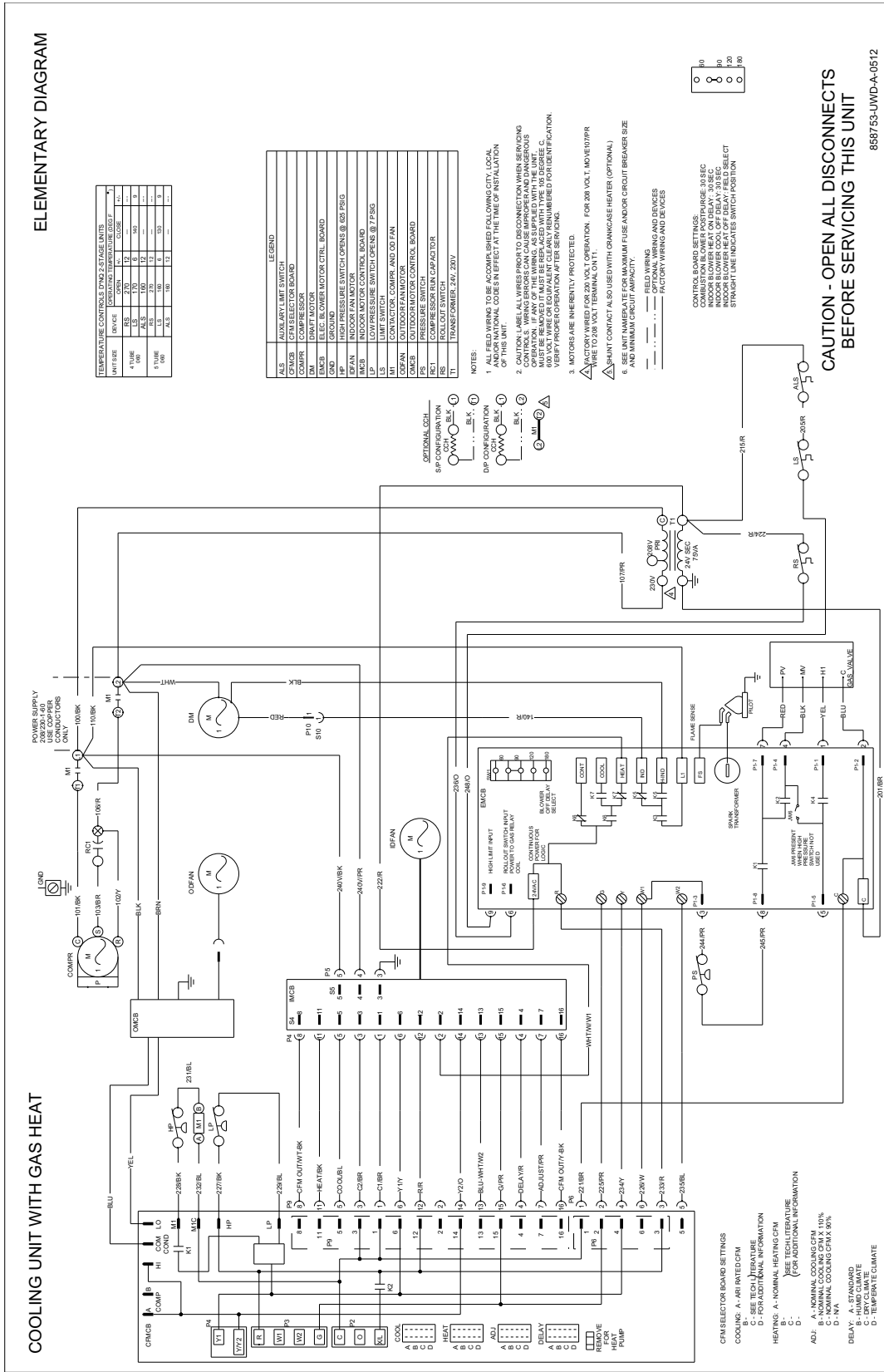
Typical DNQ024-048 Cooling Unit with Two Stage Gas Heat 208/230-1-60 volt Wiring Diagram



Typical DNQ060 Cooling Unit with Single Stage Gas Heat 208/230-1-60 volt Wiring Diagram

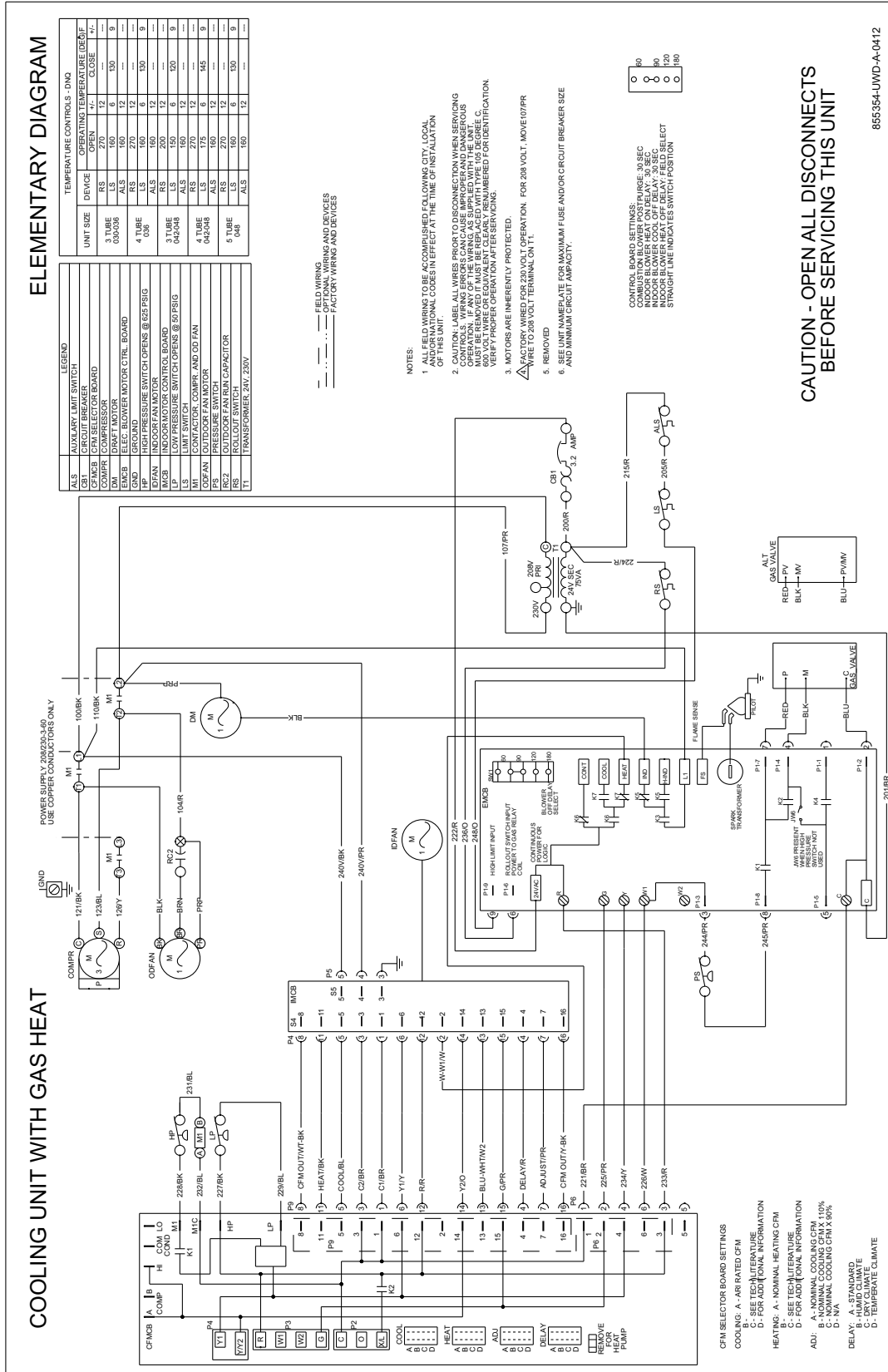


### Typical DNQ060 Cooling Unit with Two Stage Gas Heat 208/230-1-60 volt Wiring Diagram

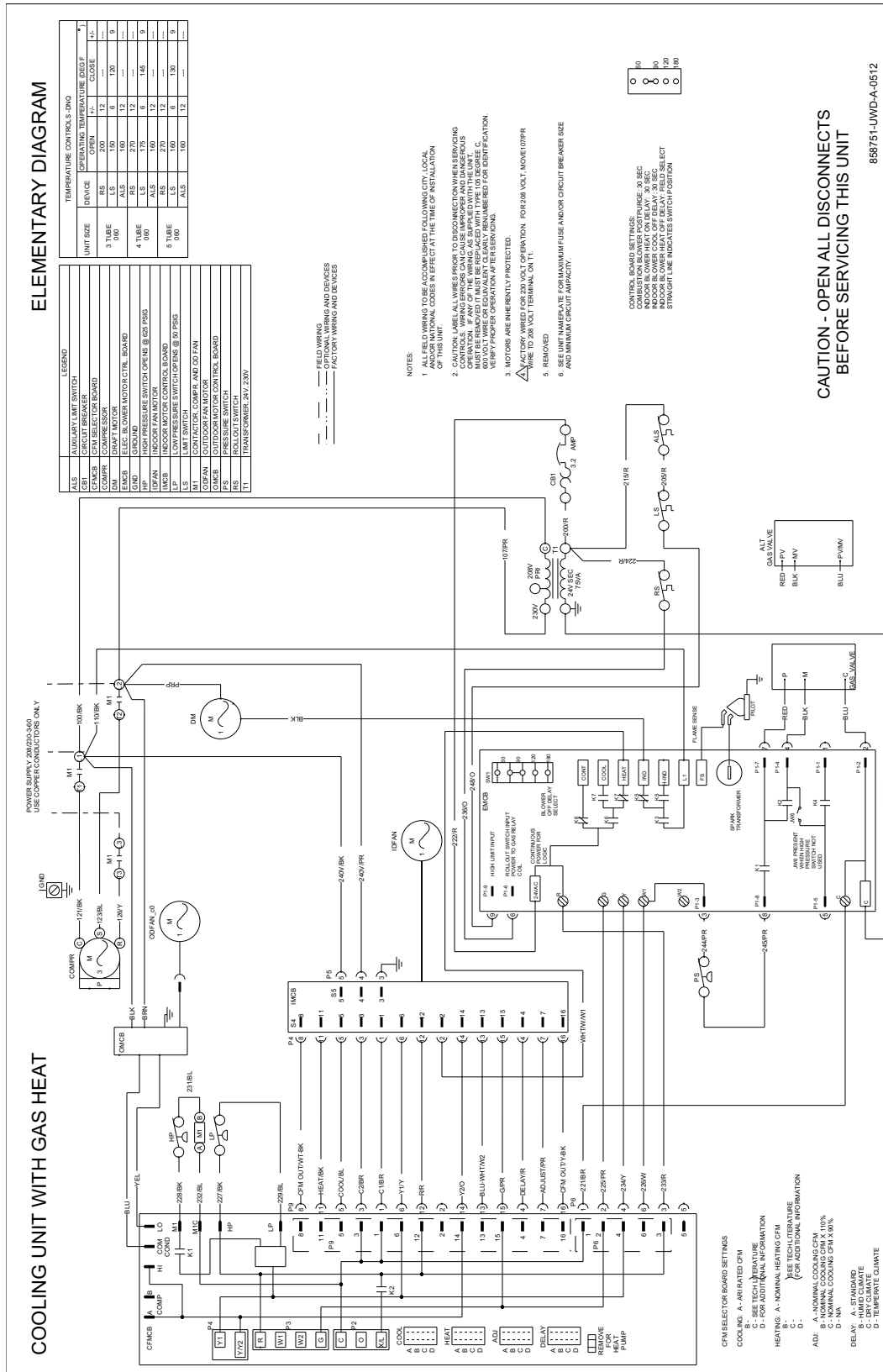




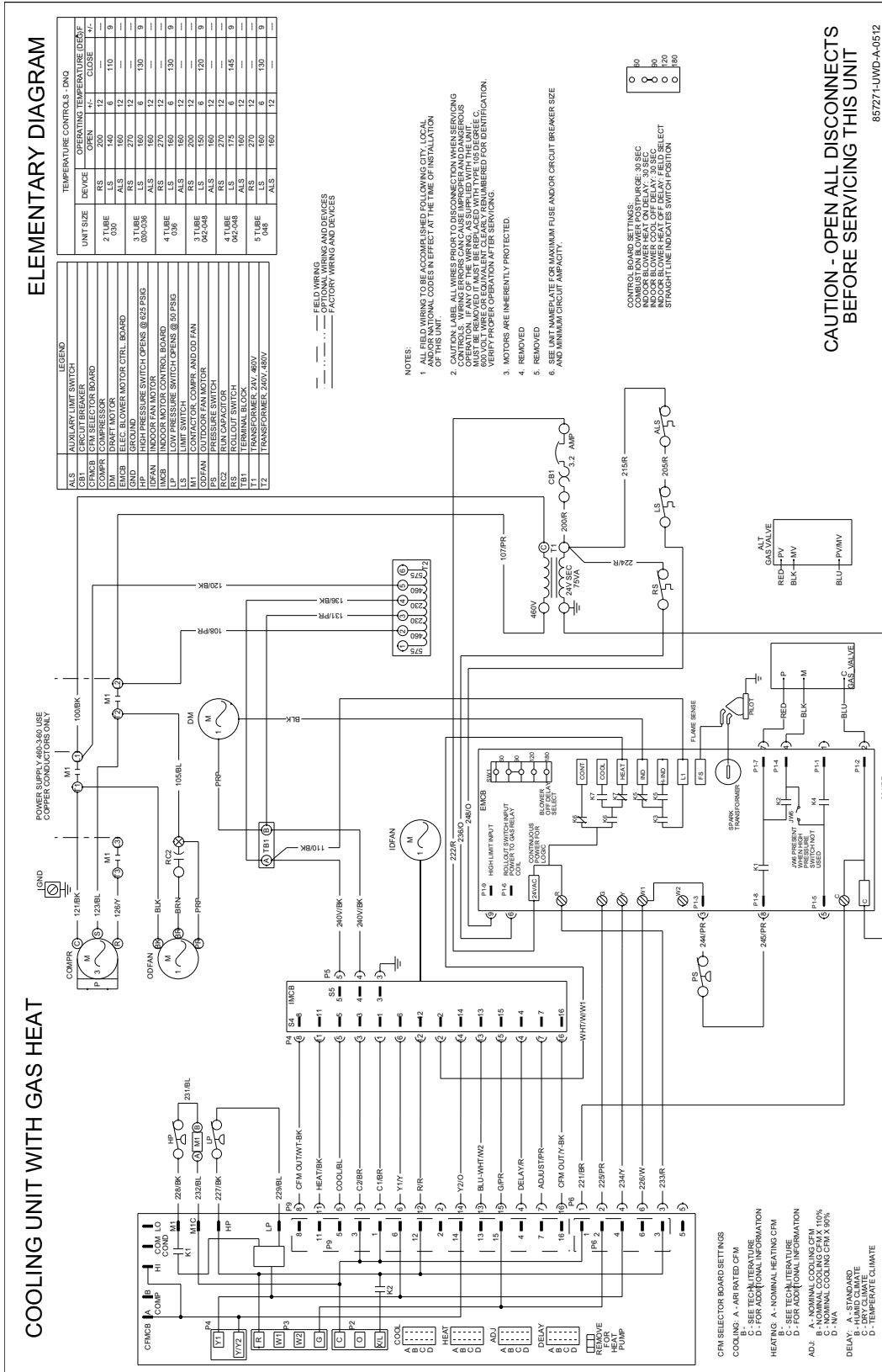
Typical DNQ036-048 Cooling Unit with Single Stage Gas Heat 208/230-3-60 volt Wiring Diagram



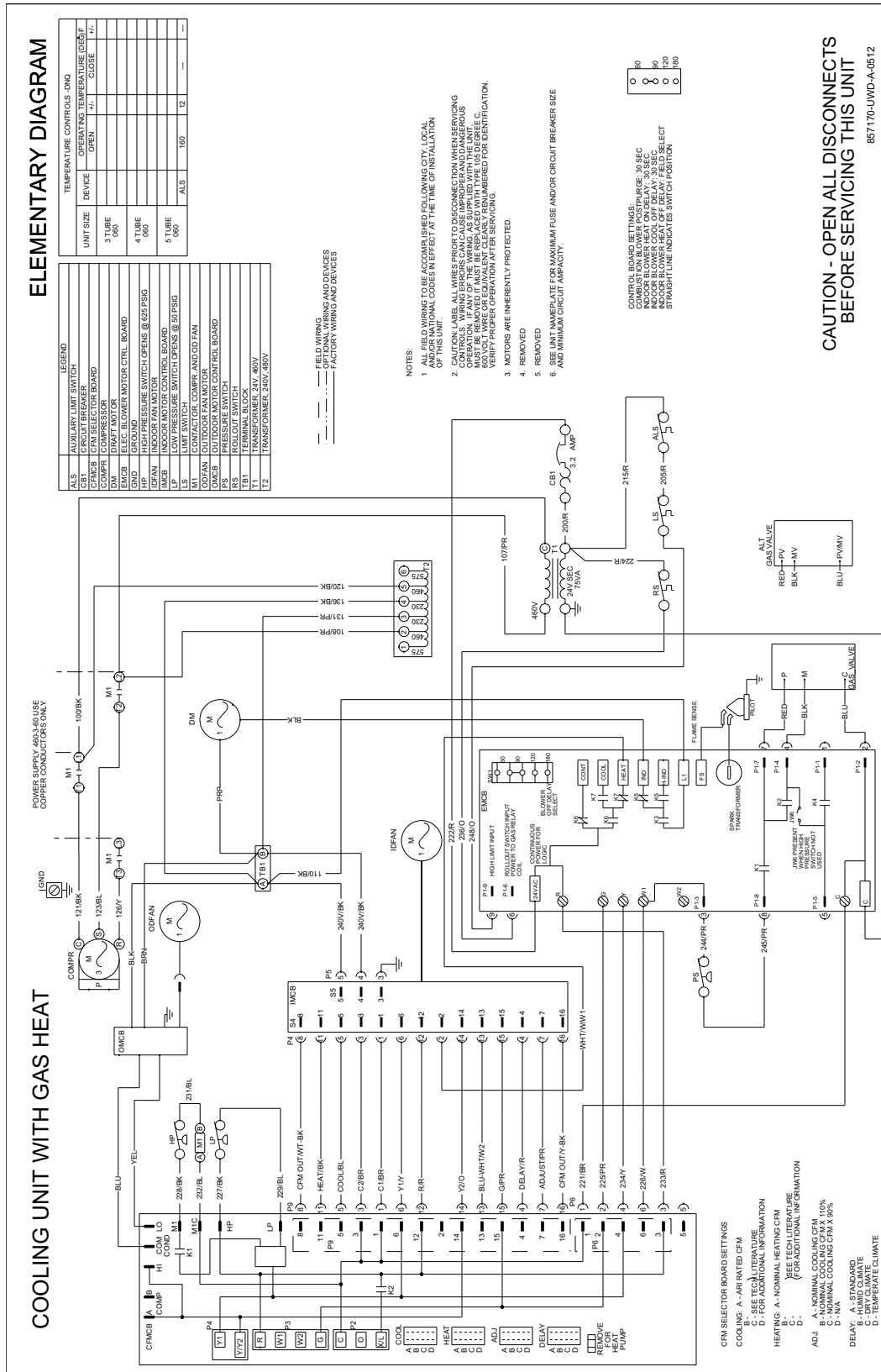
Typical DNQ060 Cooling Unit with Single Stage Gas Heat 208/230-3-60 volt Wiring Diagram



Typical DNQ036-048 Cooling Unit with Single Stage Gas Heat 460-3-60 volt Wiring Diagram

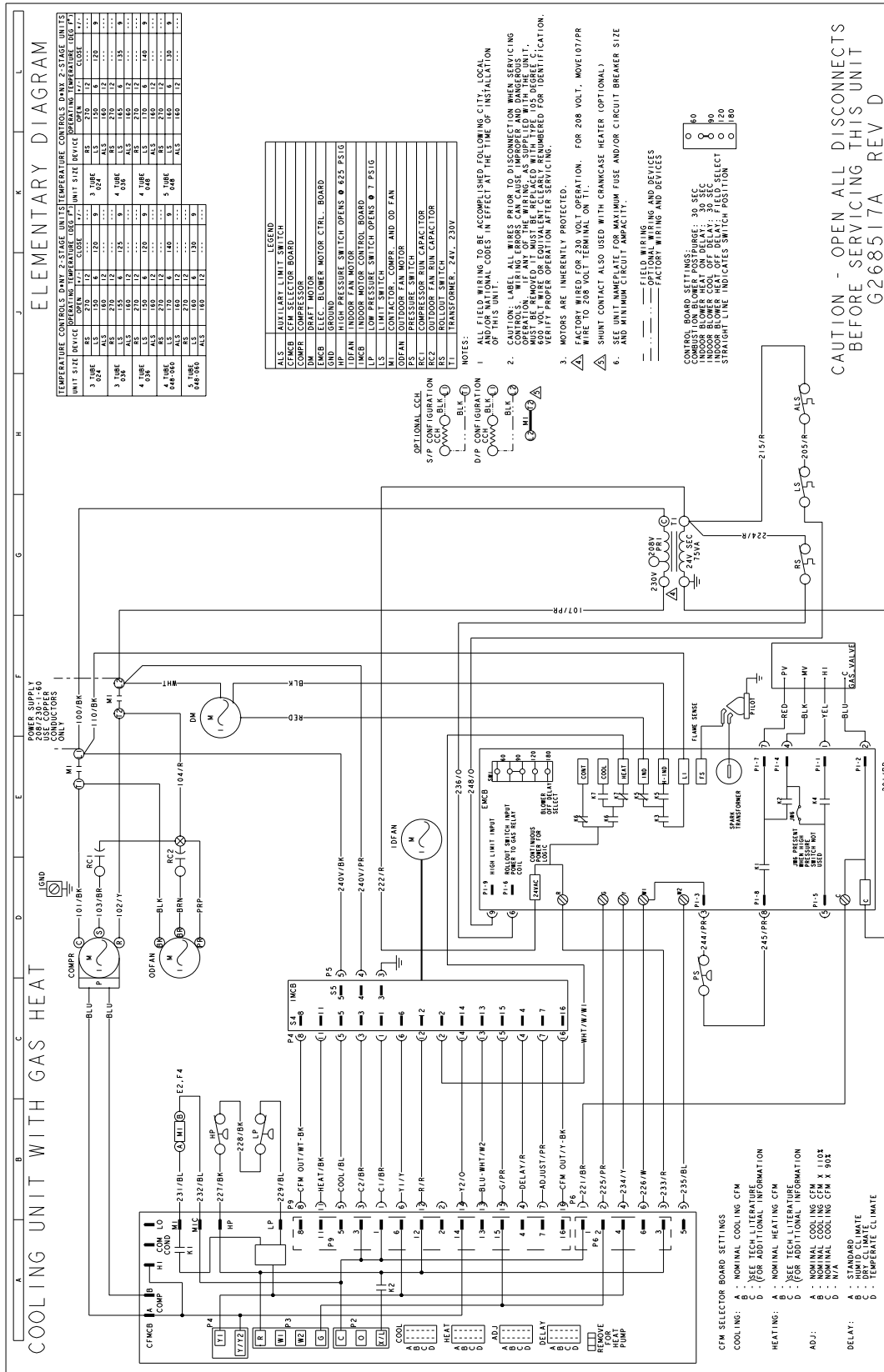


Typical DNQ060 Cooling Unit with Single Stage Gas Heat 460-3-60 volt Wiring Diagram

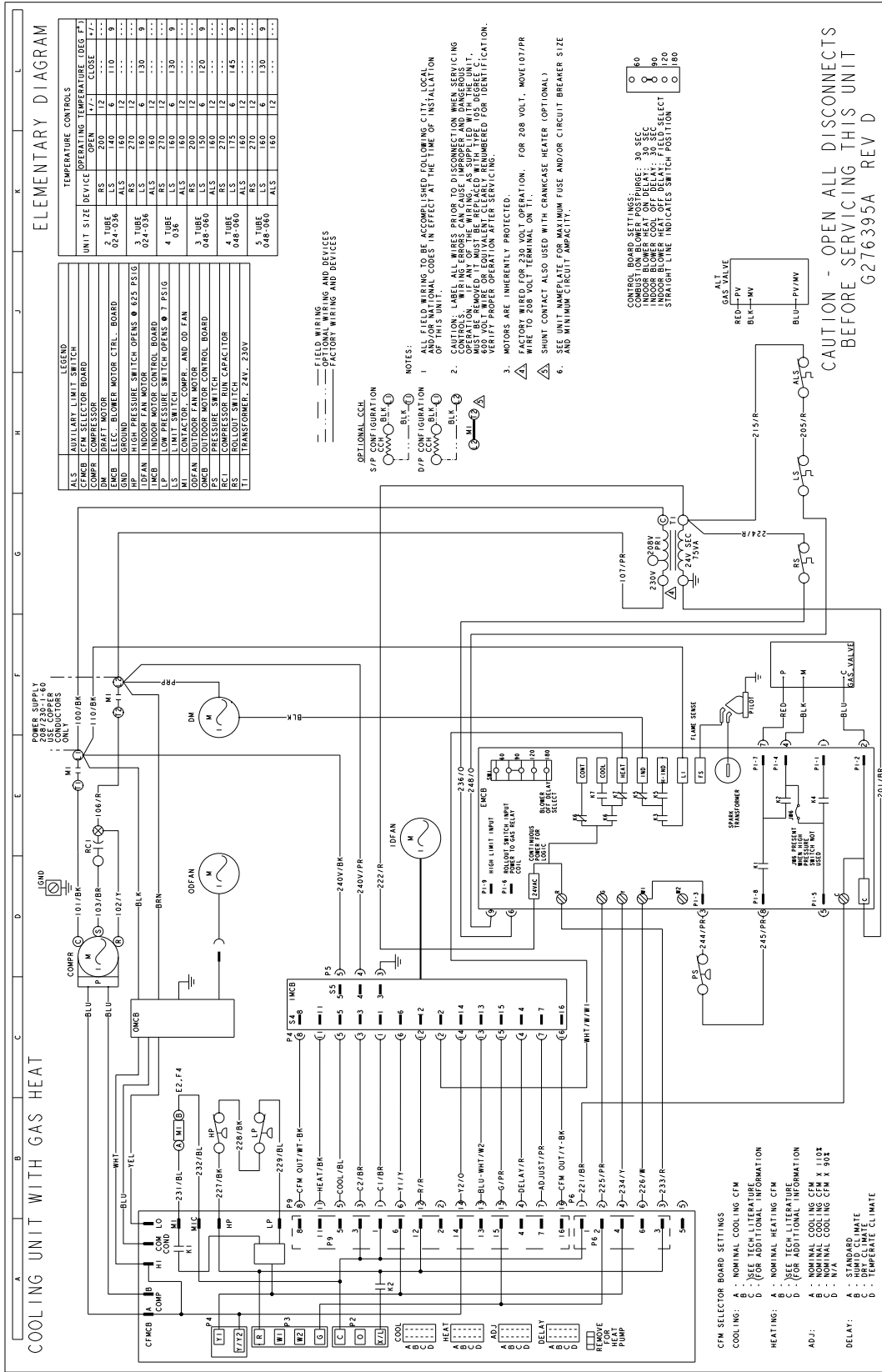




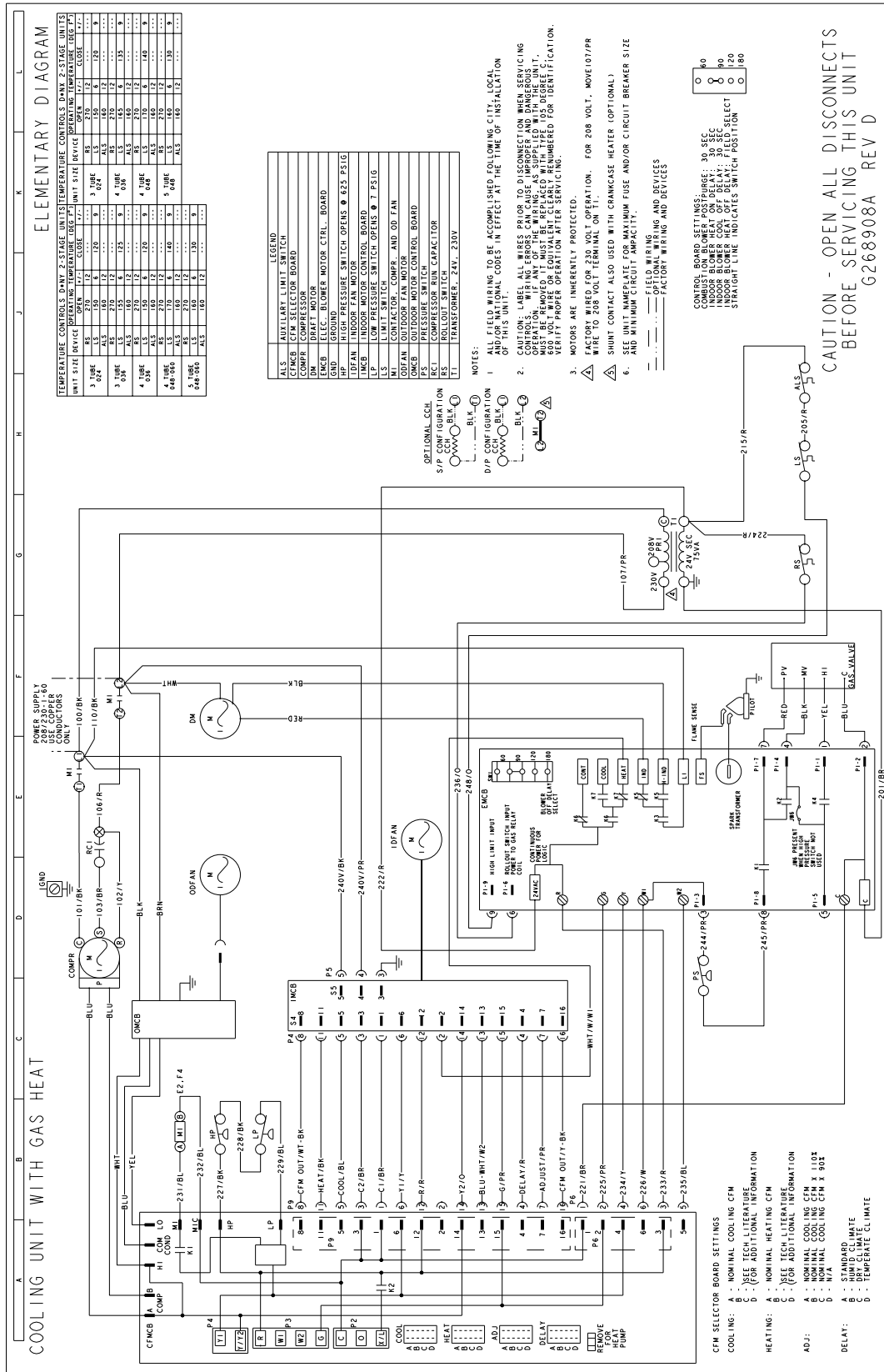
Typical DNX024 Cooling Unit with Two Stage Gas Heat 208/230-1-60 volt Wiring Diagram



Typical DNX036-048 Cooling Unit with Single Stage Gas Heat 208/230-1-60 volt Wiring Diagram

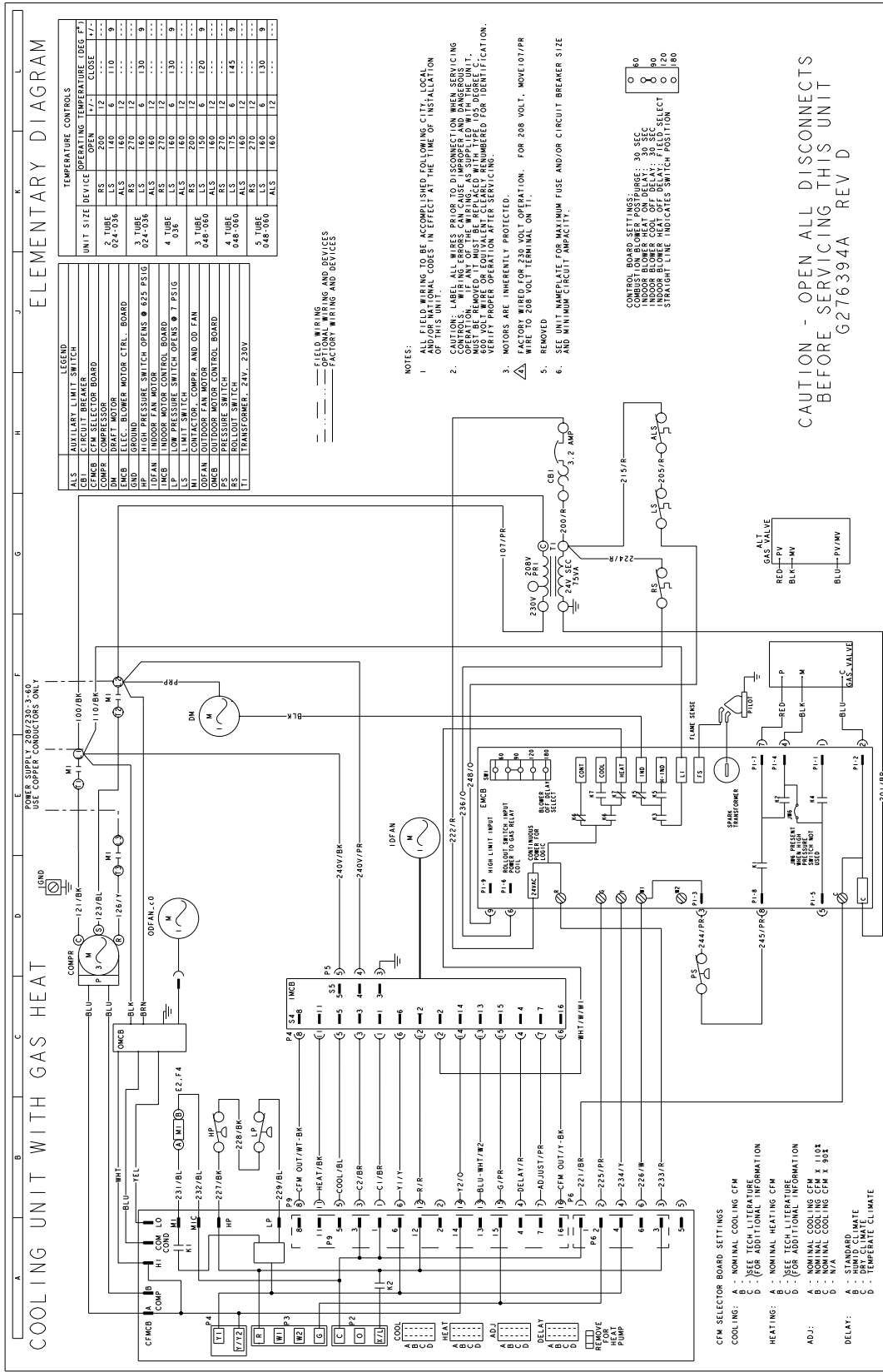


Typical DNX036-048 Cooling Unit with Two Stage Gas Heat 208/230-1-60 volt Wiring Diagram

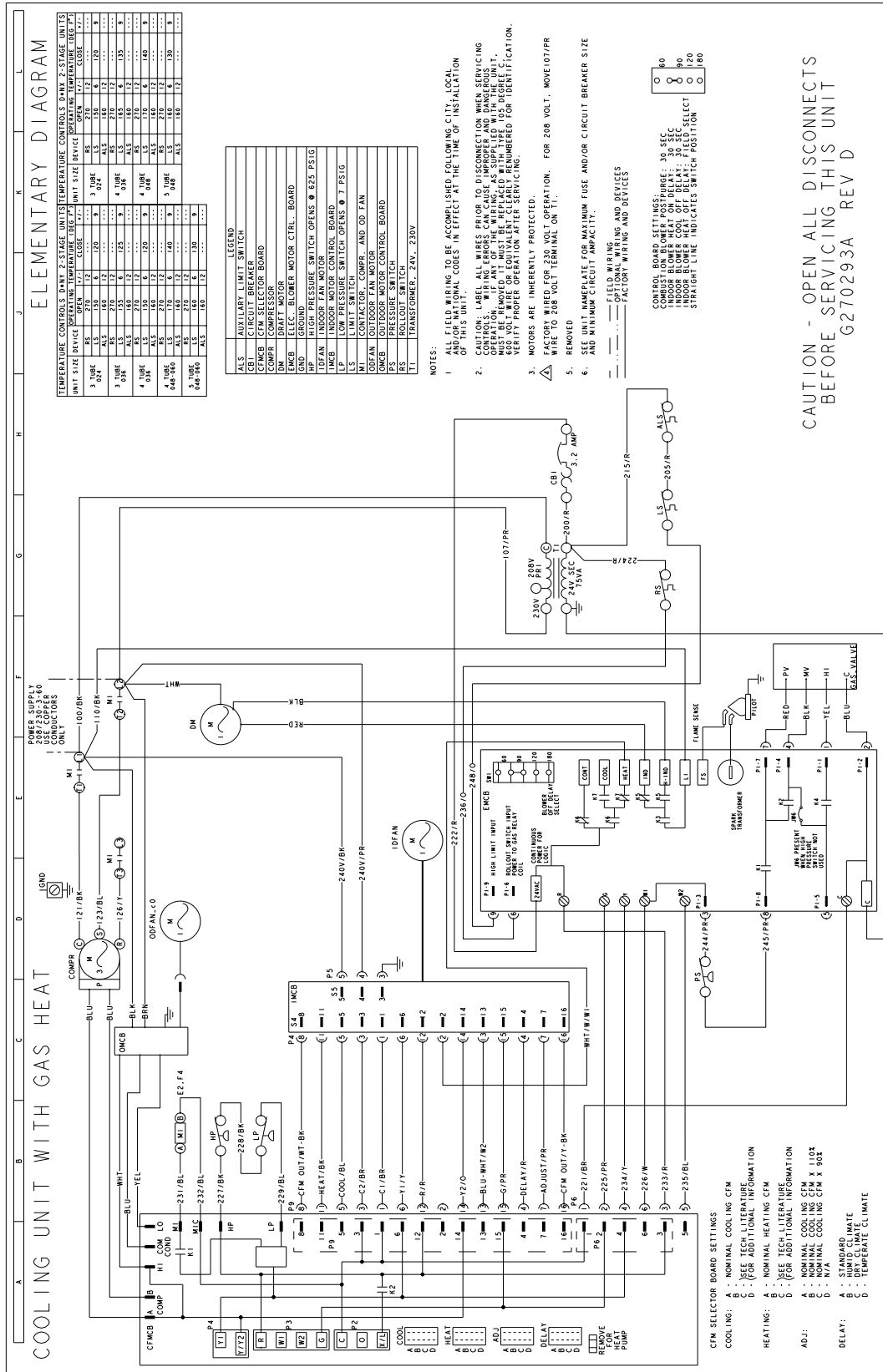




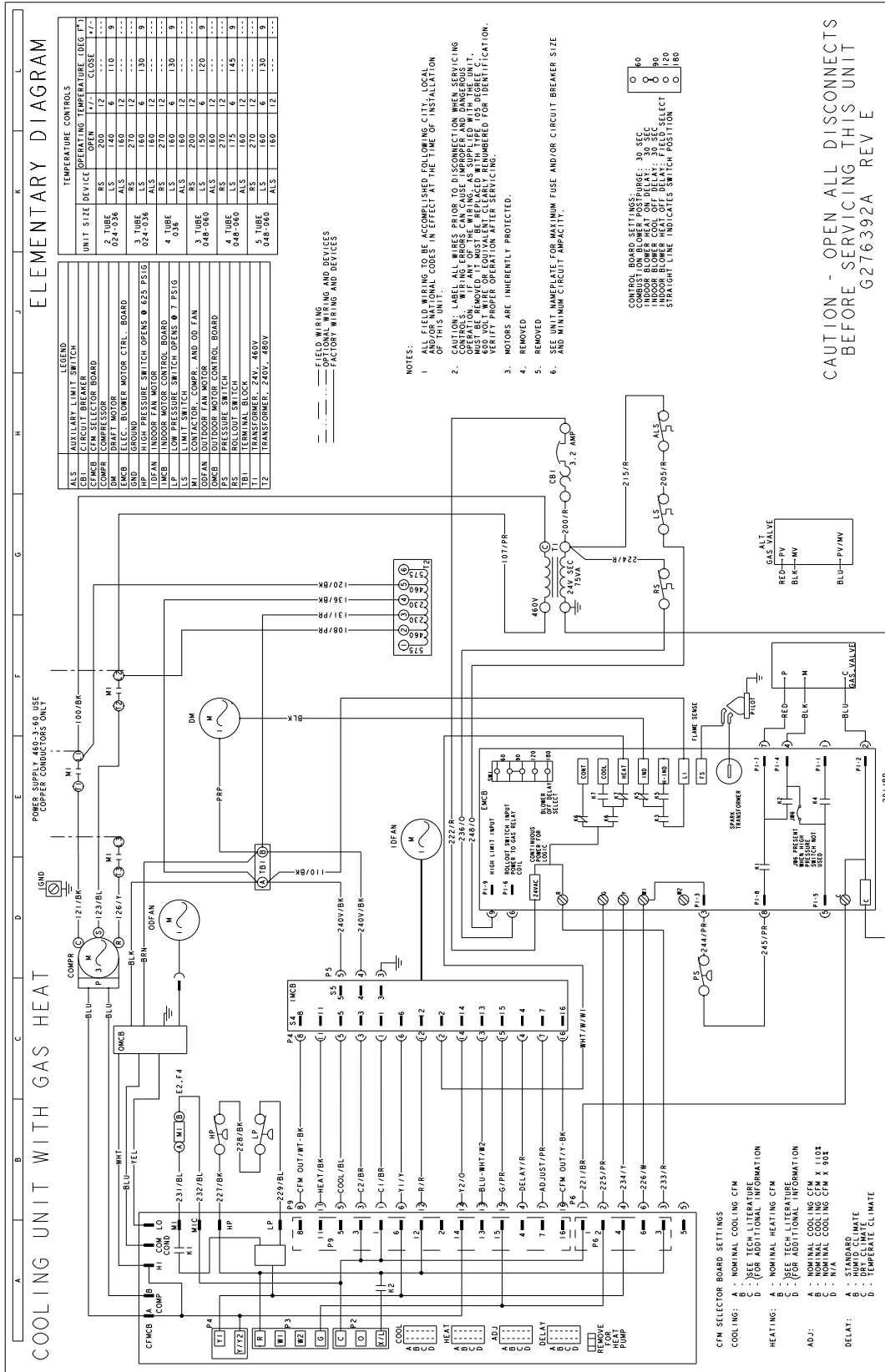
Typical DNX036-048 Cooling Unit with Single Stage Gas Heat 208/230-3-60 volt Wiring Diagram



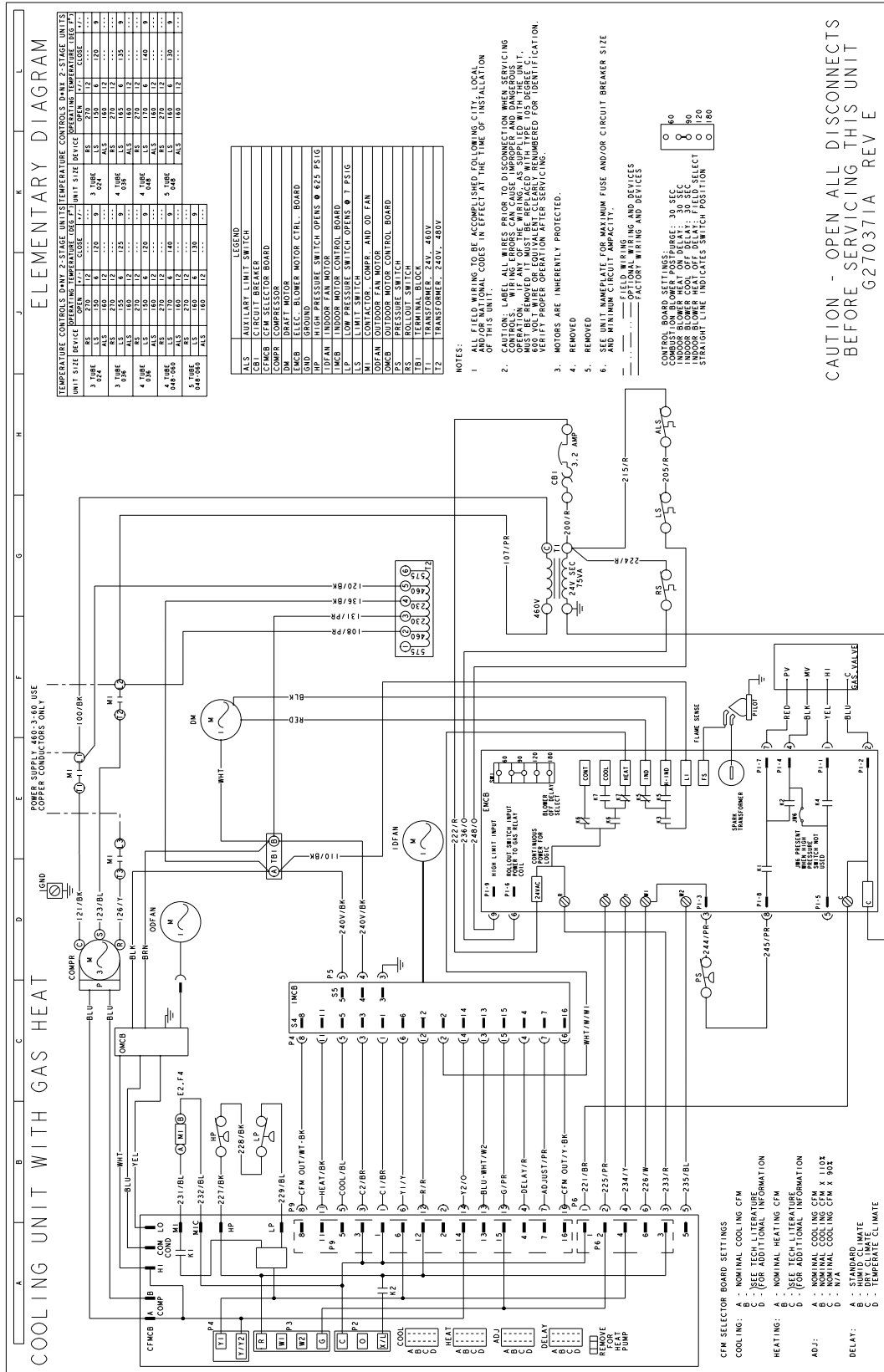
Typical DNX036-048 Cooling Unit with Two Stage Gas Heat 208/230-3-60 volt Wiring Diagram



Typical DNX036-048 Cooling Unit with Single Stage Gas Heat 460-3-60 volt Wiring Diagram



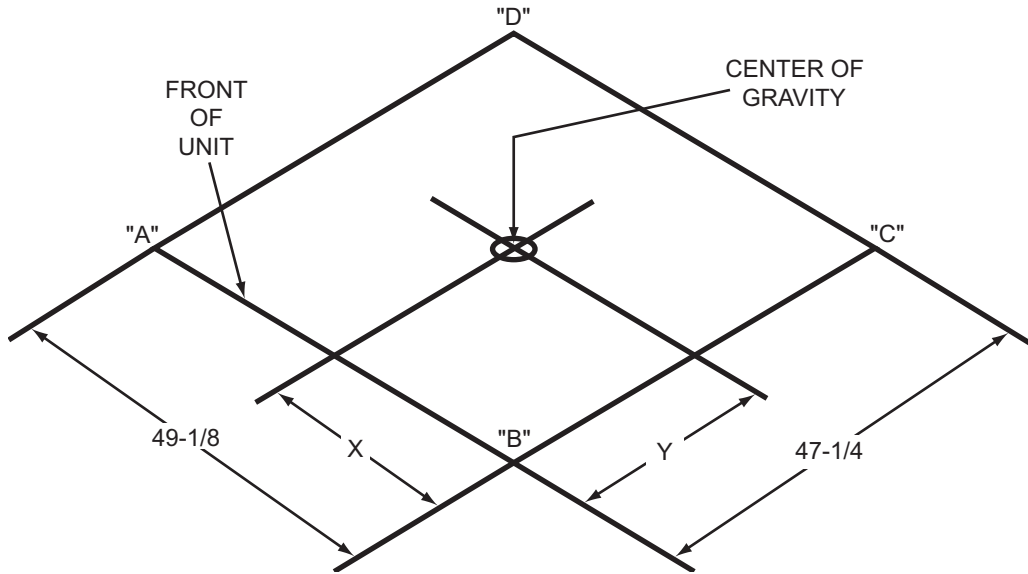
Typical DNX036-048 Cooling Unit with Two Stage Gas Heat 460-3-60 volt Wiring Diagram



## Weights and Dimensions

### DNZ/DNQ/DNX Unit Weights

#### Unit 4 Point Load Location



#### DNZ Weights and Dimensions

Model (Tons)	Weight (lbs.)		Center of Gravity		4 Point Load Location (lbs.)			
	Shipping	Operating	X	Y	A	B	C	D
DNZ024 (2.0)	383	378	23.8	20	77	77	112	112
DNZ030 (2.5)	403	398	24	20	81	81	119	117
DNZ036 (3.0)	407	402	24	20	81	82	120	119
DNZ042 (3.5)	465	460	22.7	21.3	105	95	124	137
DNZ048 (4.0)	470	465	22.7	21.3	106	96	125	138
DNZ060 (5.0)	485	480	23	21	106	99	132	142

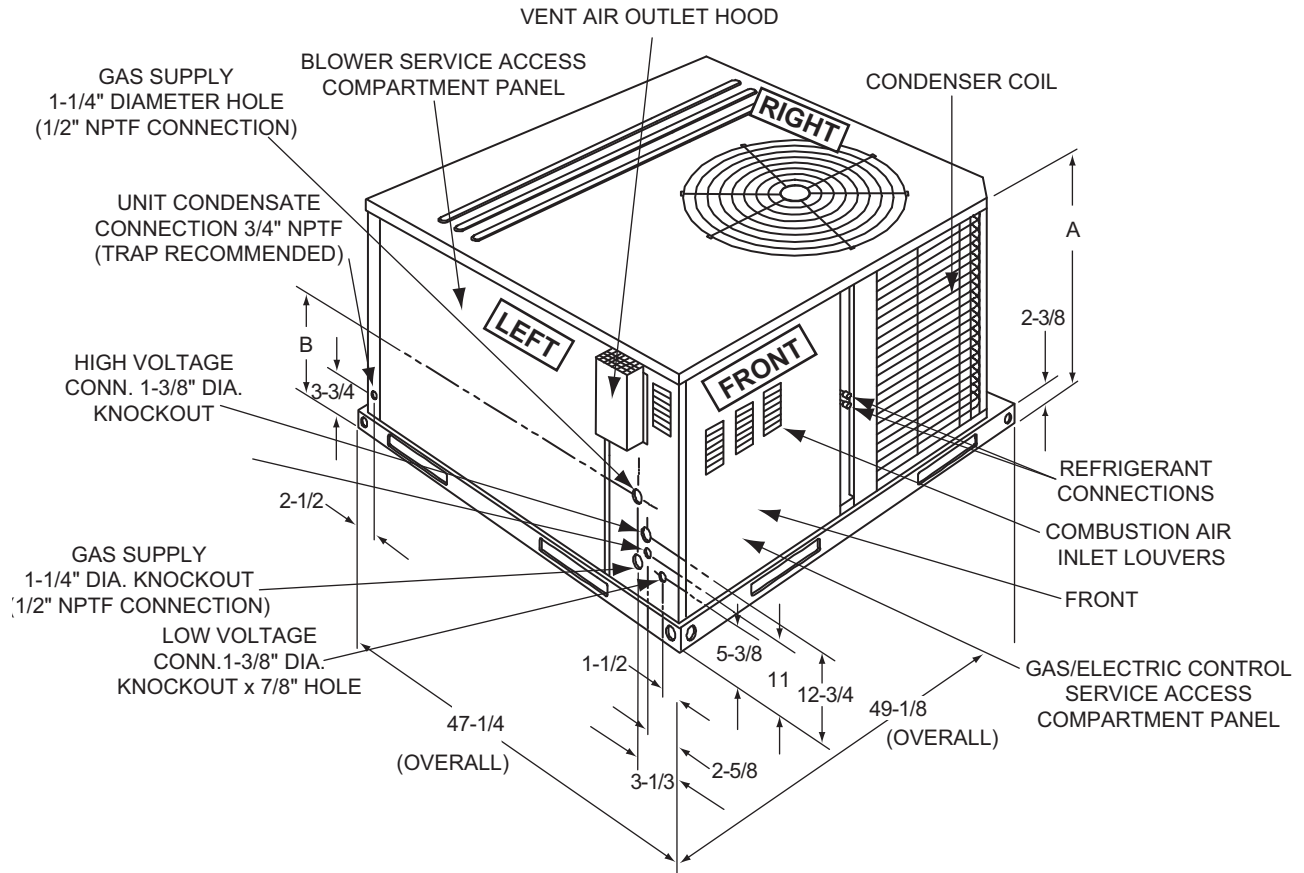
#### DNQ Weights and Dimensions

Model (Tons)	Weight (lbs.)		Center of Gravity		4 Point Load Location (lbs.)			
	Shipping	Operating	X	Y	A	B	C	D
DNQ024 (2.0)	395	390	20	24.5	113	81	82	114
DNQ030 (2.5)	430	425	20	24.25	122	88	90	125
DNQ036 (3.0)	435	430	20	24.25	123	89	91	127
DNQ042 (3.5)	490	485	20	24	138	99	104	144
DNQ048 (4.0)	495	490	20	24	139	100	105	146
DNQ060 (5.0)	535	530	20	24	150	108	114	158

**DNX Weights and Dimensions**

<b>Model (Tons)</b>	<b>Weight (lbs.)</b>		<b>Center of Gravity</b>		<b>4 Point Load Location (lbs.)</b>			
	<b>Shipping</b>	<b>Operating</b>	<b>X</b>	<b>Y</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
DNX024 (2.0)	445	440	20	24.5	127	93	93	127
DNX036 (3.0)	445	440	20	24.25	126	91	93	129
DNX048 (4.0)	505	500	20	24	142	102	107	149

**Gas Unit Dimensions**



**DNZ Unit Dimensions Front**

Unit Model	Dimensions	
	"A"	"B"
DNZ 024, 030, 036	33-1/2	18-1/4
DNZ 042, 048, 060	41-1/2	23-1/8

**DNQ Unit Dimensions Front**

Unit Model	Dimensions	
	"A"	"B"
DNQ 024, 030, 036	33-1/2	18-1/4
DNQ 042, 048, 060	41-1/2	23-1/8

**DNX Unit Dimensions**

Unit Model	Dimensions	
	"A"	"B"
DNX 024	33-1/2	18-1/4
DNX 036, 048	41-1/2	23-1/8

**DNZ/DNQ/DNX Gas Unit Clearances<sup>1 2</sup>**

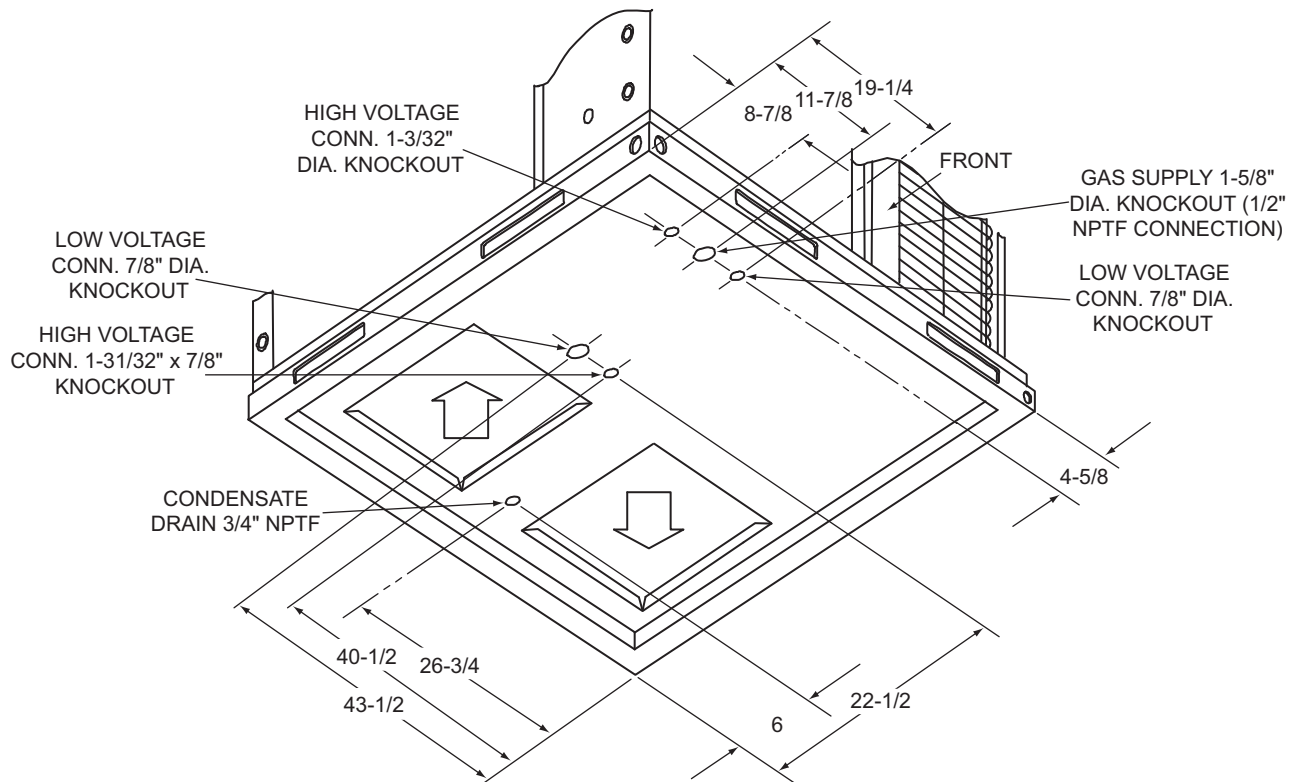
Direction	Distance (in.)	Direction	Distance (in.)
Top <sup>3</sup>	36	Right	12
Front	36	Left	24
Rear	0	Bottom <sup>4</sup>	0

1. A 1" clearance must be provided between any combustable material and the supply air duct work.
2. The products of combustion must not be allowed to accumulate within a confined space and recirculate.
3. Units must be installed outdoors. Over hanging structure or shrubs should not obscure condenser air discharge outlet.
4. Units may be installed on combustable floors made from wood or class A, B or C roof covering materials.

**DNZ/DNQ/DNX Unit Accessory Weights**

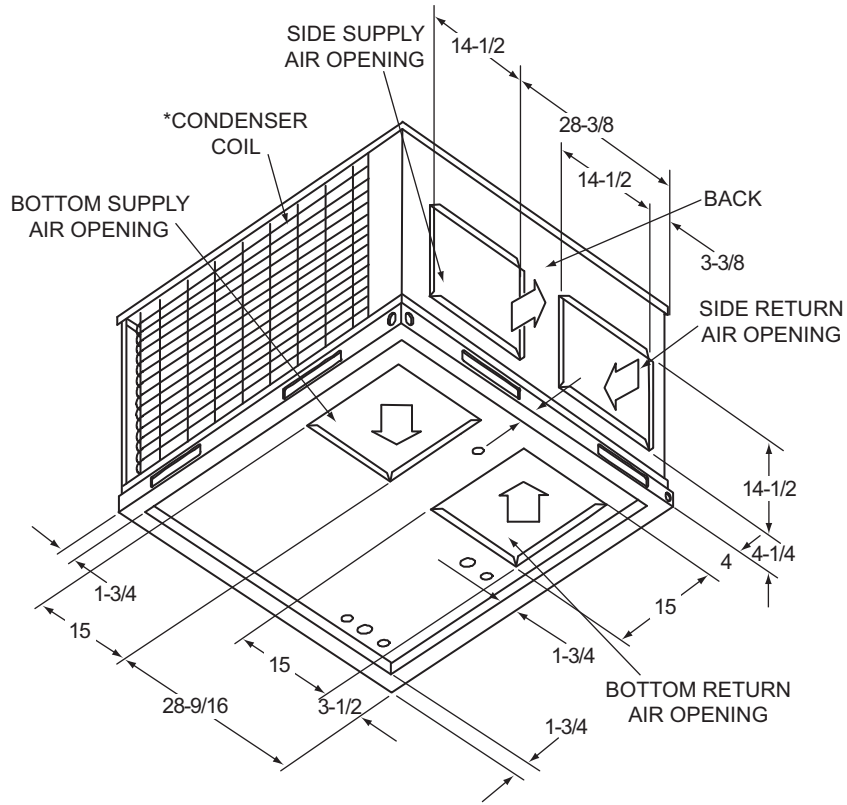
Unit Accessory	Model	Weight (lbs.)	
		Shipping	Operating
Add Economizer	All	45	40

**Unit Dimensions Front and Bottom**

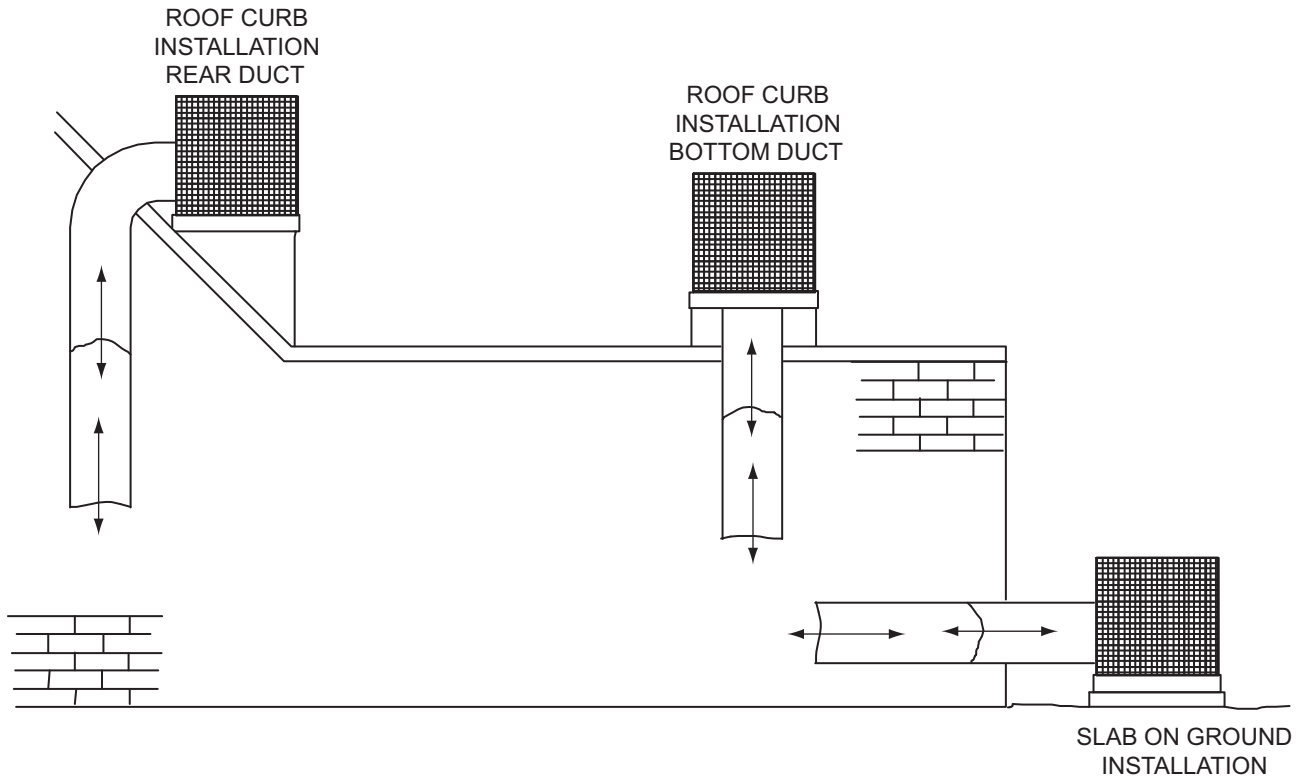




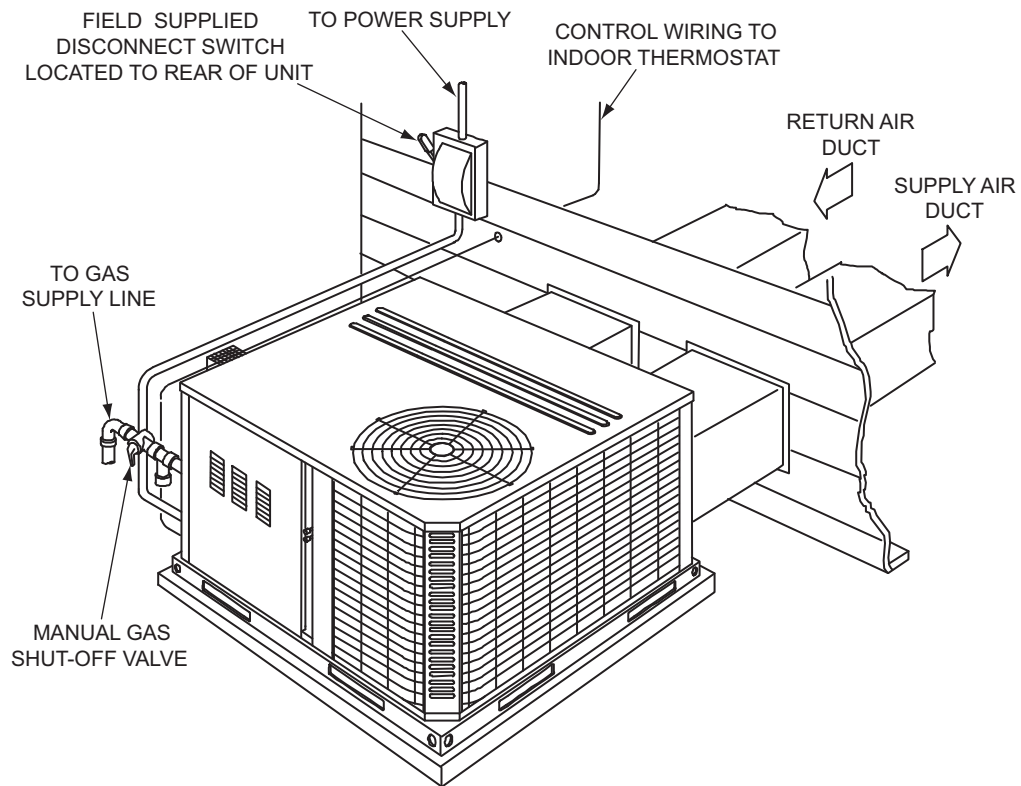
**Unit Dimensions Back and Bottom**



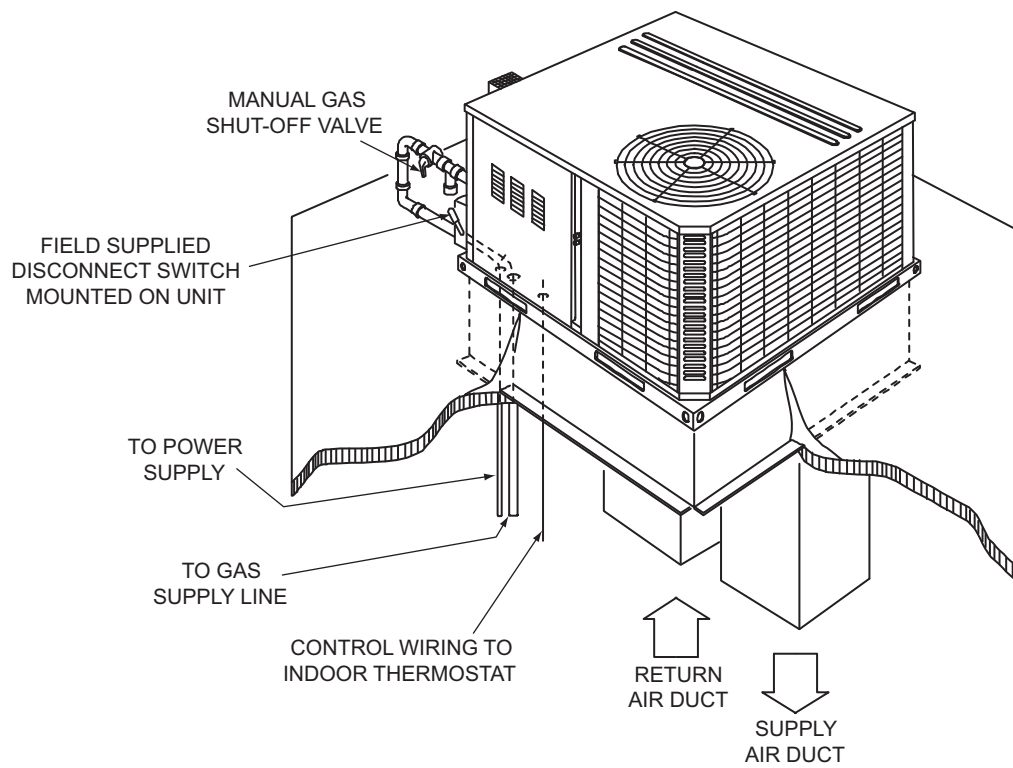
**Unit Typical Duct Applications**



### Unit Typical Slab on Ground Installation (Gas Model Shown)

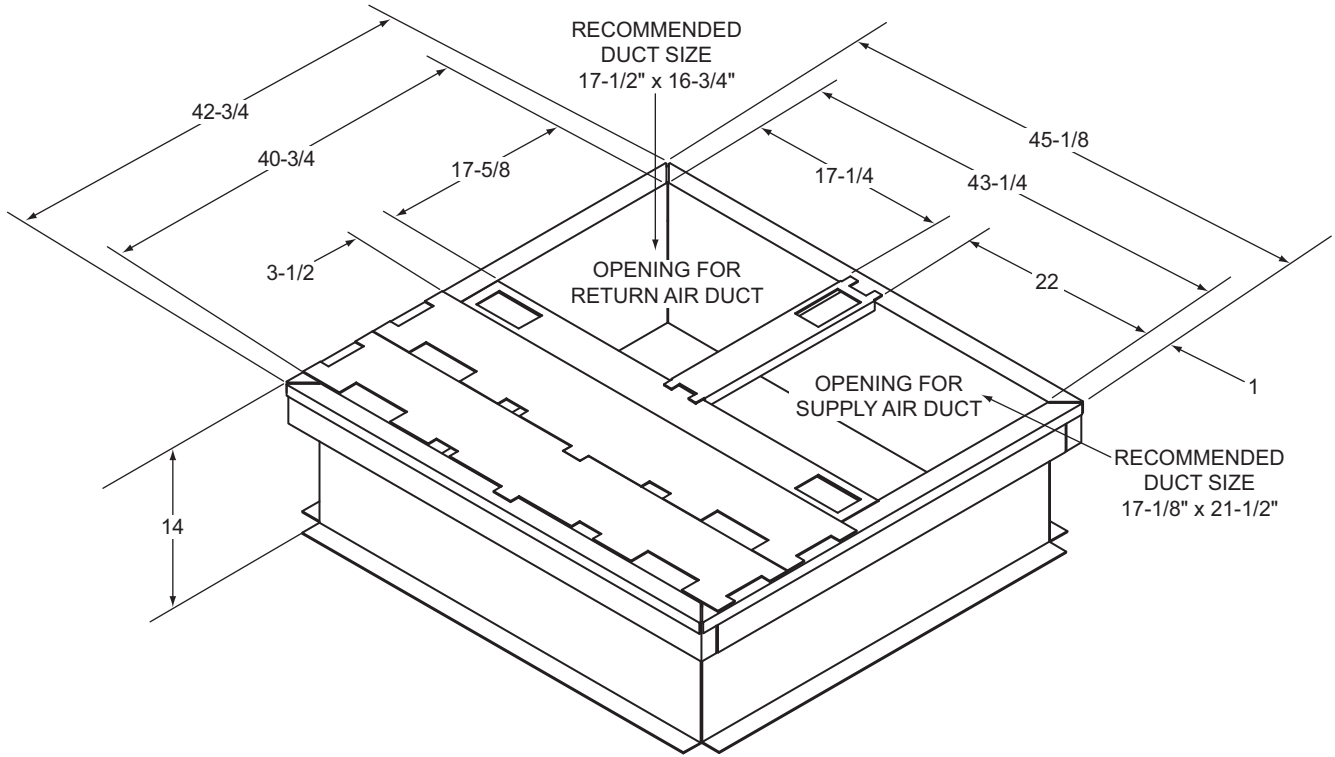


### Unit Typical Roof Curb Installation (Gas Model Shown)



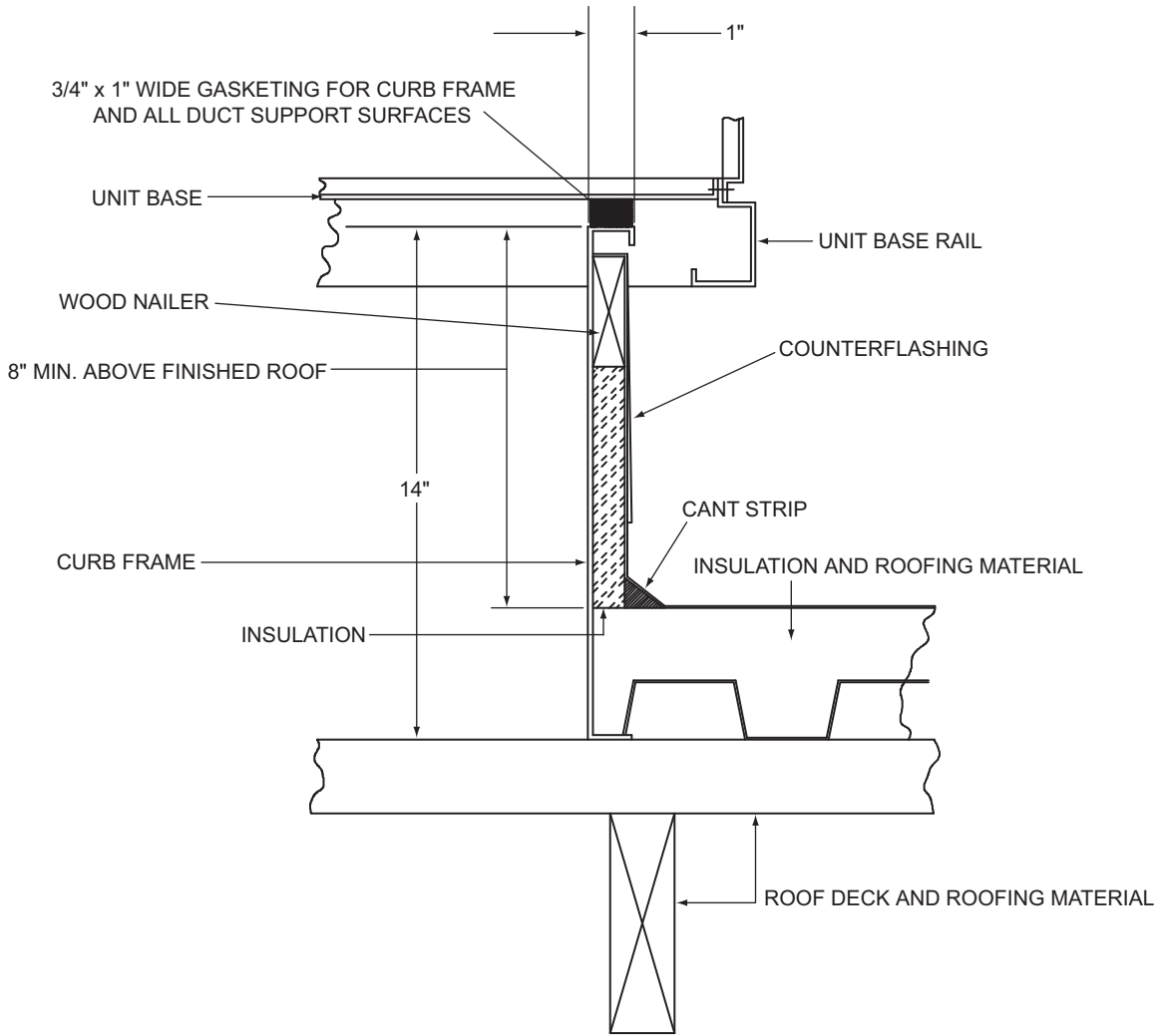
### Unit Accessory Dimensions

#### Roof Curb<sup>1</sup>



1. 8" Roof Curb also available.

**Roof Curb Cross Section**



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