

## TECHNICAL SPECIFICATIONS FOR MODEL RPBL

### OUTDOOR COMMERCIAL/INDUSTRIAL AIR HANDLER: PACKAGED POWER-VENTED GAS-FIRED DUCT FURNACE(S) WITH HIGH-CAPACITY BLOWER



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**In keeping with our policy of continuous product improvement, we reserve the right to alter, at any time, the design, construction, dimensions, weights, etc., of equipment information shown here.**

## TECHNICAL SPECIFICATIONS—CONTINUED

### Unit Sizes

These packaged duct furnace/high-capacity blower units are available in seven unit sizes based on 400,000–1,200,000 BTUh input.

### Features

- Voltage/phase/Hz options: 208/1/60, 230/1/60, 208/3/60, 230/3/60, 460/3/60, and 575/3/60
- Natural gas or propane
- 80% thermal efficient
- Intermittent spark pilot
- Corrosion-resistant Galvalume® cabinet with interlocking-joint construction and full curb cap for mounting on roof curb or supports
- Aluminized-steel burner with stainless steel insert and aluminized-steel heat exchanger (stainless steel heat exchanger recommended for air inlet temperature or temperature rise <40°F)
- Fan control, high limit safety control, high ambient burner cutoff, and reverse air flow limit control
- Twin centrifugal blowers with adjustable belt drive
- Horizontal discharge air opening with duct flanges and horizontal inlet air opening
- Curb cap base
- 24V control transformer (designed for field-connection to 24V thermostat for automatic operation)

### Factory-Installed Options

Option	Description
AA1	Natural gas
AA2	Propane
AB1–AB8	Installation elevations of 0–9000 feet (may be field-converted)
AC1	Aluminized-steel heat exchanger
AC2	Stainless steel heat exchanger
AD1	Aluminized-steel burner
AD2	Stainless steel burner
AE1	No burner air shutters
AE2	Burner air shutters (required on propane units)
AF1	Aluminized-steel drip pan/bottom panel
AF2	Stainless steel drip pan/bottom panel
AG1	Single-stage combination gas valve
AG2	Two-stage combination gas valve
AG3	Two-stage combination gas valve with unit-mounted ductstat
AG7	Electronic modulation with room thermostat
AG8	Electronic modulation with 2:1 turndown ratio and ductstat
AG9	Electronic modulation with 2:1 turndown ratio and with ductstat and remote temperature selector
AG11	Two-stage gas control with digital thermostat
AG15, AG17	Two-stage combination gas valve with electronic ductstat and remote temperature selector
AG21	Electronic modulation with Maxitrol signal conditioner
AG39, AG41	Electronic modulation with 4:1 turndown ratio and remote temperature selector (natural gas units)
AG40, AG42	Electronic modulation with 4:1 turndown ratio and DDC interface (natural gas units)
AGA	US installation rating plate
AH2	Intermittent spark pilot
AH3	Intermittent spark pilot with timed lockout
AJ1	Left side controls (facing airstream)

Option	Description
AJ2	Right side controls (facing airstream)
AK2	208/1/60 voltage
AK3	230/1/60 voltage
AK5	208/3/60 voltage
AK6	230/3/60 voltage
AK7	460/3/60 voltage
AK8	575/3/60 voltage
AL6	1-HP open drip-proof motor
AL7	1-1/2-HP open drip-proof motor
AL8	2-HP open drip-proof motor
AL9	3-HP open drip-proof motor
AL10	5-HP open drip-proof motor
AL11	7-1/2-HP open drip-proof motor
AL12	10-HP open drip-proof motor
AL15	15-HP open drip-proof motor
AL16	20-HP open drip-proof motor
AL23	1-HP totally-enclosed motor
AL24	1-1/2-HP totally-enclosed motor
AL25	2-HP totally-enclosed motor
AL26	3-HP totally-enclosed motor
AL27	5-HP totally-enclosed motor
AL32	7-1/2-HP totally-enclosed motor
AM2-AM24	451-1600 RPM belt drives
AN2, AN10	Motor starters
AQ5, AQ8	Downturn plenum cabinets
AR1	Cabinet with horizontal inlet
AR4	Cabinet with bottom inlet (required with 100% return air)
AR8	100% outside air hood with motorized damper
AR15	Modulating outside air and return air mixing damper
AR17	Alternating 100% outside air or 100% return air damper
AR18	Modulating 100% outside air and return air mixing damper with remote potentiometer
AR23	Modulating 100% outside air and return air mixing damper with pressure null switch control
AR25	Modulating 100% outside air and return air mixing damper with DDC control
AW7, AW9, AW11, AW40	Various filter rack options
AY3	Insulated double-wall cabinet(s)
BC2	115V convenience outlet
BD2	Firestat, 200°F
BE2	Adjustable, automatic-reset discharge temperature low limit control with time delay relay
BG7A-BG7Z, BG9	Various relay options
BN2	Adjustable (0-100°F) high ambient temperature limit control
BP4	High- and low-pressure gas pressure safety switches
BW1	Air flow pressure proving switch
CGA	Canadian installation rating plate
PC12	Vibration isolation rails
VFD1, VFD2	Variable frequency drives
VFCA, VFCA, VFCA	Variable frequency drive controls

## TECHNICAL SPECIFICATIONS—CONTINUED

### Field-Installed Options

Option	Description
AR6	30% outside air inlet hood with manual damper and bottom inlet
AR7	30% outside air hood with motorized damper and bottom inlet
AS2	100% outside air screened intake hood with rain baffles
ASA1	Moisture elimination pad
ASC4	12-inch rigid cellulose evaporative cooling media
ASC8	12-inch rigid glass fiber evaporative cooling media
AU2	CHW cooling cabinet for field-supplied CHW coil
AU11	CHW cooling cabinet for field-supplied CHW coil and downturn plenum cabinet (AQ5)
AU12	CHW cooling cabinet for field-supplied CHW coil and downturn plenum cabinet with dampers (AQ8)
BE4	Evaporator froststat
CC3	Vertical flue discharge
CJ1	Roof curb for base unit
CJ2	Roof curb for base unit with factory-installed downturn plenum cabinet (AQ5 or AQ8)
CJ4	Roof curb for base unit with field-installed cooling cabinet (AU2)
CJ5	Roof curb for base unit with field-installed cooling cabinet and downturn plenum (AU11 or AU12)
CL1	Single-stage thermostat
CL9	Electronic modulating room override
CL22	Two-stage thermostat
CL23	Two-stage programmable thermostat
CL33	Two-stage digital thermostat
CM1	Locking cover for CL1, CL22, and CL23 thermostats
CM1B	Locking cover for CL33 thermostat
CN1A–CN3Z	Various remote switch options
CP5–CP8, CP17, CP30, CP31	Outdoor raintight disconnect switches (US only)
CP59	Outdoor raintight disconnect switch (Canada only)
CT1	Fill and drain kit for float and pump control system (option ECD2)
CT5	Freeze protection for AquaSaver® system (option ECD1)
DR2, DR4, XB2	Replacement belts for belt-drive motor
ECB1	Water hammer arrestor for float and pump control system (option ECD2)
ECC1	Aluminized-steel evaporative cooling module cabinet
ECC2	Stainless steel evaporative cooling module cabinet
ECD1	AquaSaver® timed metering control system
ECD2	Float and pump control system
SA1	Photoelectric air duct smoke detector

### Technical Data

Parameter	Unit of Measure	Unit Size (MBTUh)						
		400	500	600	700	800	1050	1200
Input heating capacity	BTUh	400,000	500,000	600,000	700,000	800,000	1,050,000	1,200,000
	kW	117.2	146.6	175.9	205.2	234.5	307.8	351.7
Output heating capacity (80%)	BTUh	320,000	400,000	480,000	560,000	640,000	840,000	960,000
	kW	93.8	117.2	140.7	164.1	187.6	246.2	281.4
Air volume	CFM	3300–14,000	3700–12,000	4450–12,500	5200–13,500	5900–13,500	6500–13,500	7400–13,500
	meter <sup>3</sup> /hr	5607–23,785	6286–20,387	7560–21,237	8835–22,936	10,024–22,936	11,043–22,936	12,572–22,936

Parameter	Unit of Measure	Unit Size (MBTUh)					
		400	500, 600	700	800	1050	1200
1- or 2-inch disposable filter size (quantity)	inch	12 × 25 (4)	12 × 20 (4)	12 × 20 (4)	12 × 25 (4)	12 × 20 (4)	12 × 25 (4)
		12 × 30 (4)	12 × 25 (4)	12 × 30 (4)	12 × 30 (4)	12 × 30 (4)	12 × 30 (4)
		16 × 16 (2)	16 × 20 (1)	16 × 25 (2)	16 × 16 (2)	16 × 25 (2)	16 × 16 (2)
		16 × 25 (1)	16 × 25 (1)		16 × 25 (1)		16 × 25 (1)
1- or 2-inch permanent filter size (quantity)		12 × 16 (8)	12 × 20 (4)	12 × 26 (8)	12 × 16 (8)	12 × 26 (8)	12 × 16 (8)
		12 × 26 (4)	12 × 26 (4)		12 × 26 (4)		12 × 26 (4)
		16 × 16 (2)	16 × 20 (1)	16 × 25 (2)	16 × 16 (2)	16 × 25 (2)	16 × 16 (2)
		16 × 25 (1)	16 × 25 (4)		16 × 25 (1)		16 × 25 (1)
1- or 2-inch pleated filter size (quantity)		12 × 25 (4)	12 × 20 (4)	12 × 20 (4)	12 × 25 (4)	12 × 20 (4)	12 × 25 (4)
		12 × 32 (4)	12 × 25 (4)	12 × 32 (4)	12 × 32 (4)	12 × 32 (4)	12 × 32 (4)
		16 × 16 (2)	16 × 20 (1)	16 × 25 (2)	16 × 16 (2)	16 × 25 (2)	16 × 16 (2)
		16 × 25 (1)	16 × 25 (4)		16 × 25 (1)		16 × 25 (1)
Full load amps (120V, less motor)	amp	3.1	3.3	3.6	4.5	5	5.9
Unit control amps (24V)		0.95	1.9		2.85		
Gas connection, natural gas	inch	1	1-1/4				
Gas connection, propane		1/2					

## Certification

- This unit is design-certified to ANSI and CSA standards by the Canadian Standards Association and is approved for installation in the United States and in Canada. The furnaces are approved for use with either natural gas or propane. The type of gas for which the furnace is equipped, the correct firing rate, and electrical requirements are shown on the unit's rating plate.
- These gas-fired products are certified by ANSI Z83 family of standards governing the safe usage of heating equipment in the industrial/commercial marketplace. This includes using the heaters in makeup air applications to supply corridor pressurization in commercial buildings such as office structures and apartment complexes.
- The heaters are not certified as residential heating equipment and should not be used as such.

## Installation Codes

- These units must be installed in accordance with local building codes. In the absence of local codes, in the United States, the unit must be installed in accordance with the *National Fuel Gas Code* (ANSI Z223.1, latest edition). A Canadian installation must be in accordance with the *Natural Gas and Propane Installation Code* (CSA B149.1, latest edition). This code is available from CSA Information Services, 1-800-463-6727. Local authorities having jurisdiction should be consulted before installation is made to verify local codes and installation procedure requirements.
- If the heater is being installed in the Commonwealth of Massachusetts, installation must be performed by a licensed plumber or licensed gas fitter.

## System Configurations

Unit Size (MBTUh)	No. of Furnace Sections	No. of Blower Cabinets
400	1	1
500, 600, 700, 800	2	
1050, 1200	3	

## TECHNICAL SPECIFICATIONS—CONTINUED

### Unit Location

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#### ⚠ CAUTION ⚠

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**To ensure complete weather resistance, an outside air hood or evaporative cooling module is required.**

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- Select a location that complies with the requirements in this manual.
- There are a variety of factors, such as system application, building structure, dimensions, and weight, that contribute to selecting the location.
- The location must be in accordance with the **Clearances** section.
- If the unit is equipped with an outside air hood, it is recommended that the inlet to the hood not be facing into the prevailing wind.

### Halogenated Hydrocarbons

Halogenated hydrocarbons are a family of chemical compounds characterized by the presence of halogen elements (fluorine, chlorine, bromine, etc.). These compounds are used in refrigerants, cleaning agents, and solvents and are heavier than air, a fact that should be kept in mind when determining the installation location of heaters and building exhaust systems.

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#### ⚠ CAUTION ⚠

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**CORROSION HAZARD: Halogenated hydrocarbons, when exposed to flame, precipitate with any condensation present in the heater to form hydrochloric acid, which readily attacks all metals, including 300 grade stainless steel. Care should be taken to separate these vapors from the combustion process. An outside air supply MUST BE provided to the burner whenever the presence of these compounds is suspected.**

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### Curb Cap Base

- Outdoor systems are equipped with a load bearing curb cap which forms an integral part of the unit. This curb cap has welded joints and has a skirt that fits over a roof curb to provide a weatherproof installation. Four holes are provided at the curb cap corners for lifting the unit. These holes do not interfere with unit weatherproofing. The curb cap is not designed to be placed directly on the roof surface.
- The system may be mounted on an optional roof curb purchased with the unit, a field-supplied roof curb, or field-supplied supports. If the system has a downturn plenum and/or a bottom return air opening, a roof curb is recommended to provide a weatherproof installation as well as more workable clearances for ductwork.
- Refer to the installation, operation, and maintenance manual provided with the unit for further information on curb dimensions, assembly, and installation.

### Ductwork Requirements

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#### ⚠ CAUTION ⚠

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- **To prevent possible motor overloading, ensure that the external duct system static pressure is within the limits shown on the rating plate and that the motor pulley and belt are properly adjusted.**
  - **The joint where the supply air duct attaches to the furnace must be sealed securely to prevent air leakage into draft hood or burner rack area. Leakage can cause poor combustion and pilot problems, can shorten heat exchanger life, and can cause poor performance.**
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Depending on how the unit was ordered, the blower cabinet can have a variety of outside air and return air inlets. Check the unit to be aware of the inlet air requirements for your installation. Refer to the installation, operation, and maintenance manual provided with the unit for further information on ductwork requirements.

## Venting Requirements

- Locate power-vented furnaces so that flue discharge is not directed at fresh air inlets. The flue discharge openings are located on the side of the furnace just above the control access panel. The position of this opening discourages recirculation of combustion products and provides for furnace operation in all normal weather conditions.
- **Optional vertical flue discharge (option CC3):** These power vented furnaces are certified with 4 feet of vertical pipe connected. The distance is measured from the top of the unit to the bottom of the vent cap. The vent pipe and supports are field-supplied. Optional vertical vent piping provides compliance with local codes that require either 10-foot horizontal or 4-foot vertical clearance between the flue outlet and the fresh air intake of the heating system and/or building.

## Mounting Support Structure

### ⚠ DANGER ⚠

Before installation, check the supporting structure to ensure that it has sufficient load-carrying capacity to support the weight of the unit along with any optional equipment.

### ⚠ CAUTION ⚠

- Before installing the curb, verify that the size is correct for the system being installed.
- Whether using an optional roof curb available with the system or a field-supplied curb, the curb must be secure, square and level.
- **IMPORTANT:** The area enclosed by the roof curb must comply with the [Clearances](#) section. If the roof is constructed of combustible materials, the area within curb must be either ventilated, left open, or covered with non-combustible material that has an R-value of at least 5.0.

### NOTES:

- Prior to installation, ensure that the method of support is in agreement with all local building codes and is suited to the climate.
- If the area within the curb is left open, higher radiated sound levels may result.
- The system can have a variety of configurations that affect installation. If the system does not have a downturn plenum, the discharge is horizontal.

The unit may be mounted on an optional curb (option CJ1, CJ2, CJ4, or CJ5) assembly or on a field-supplied support assembly. Refer to the installation, operation, and maintenance manual provided with the unit for further information on mounting the unit.

## Weights

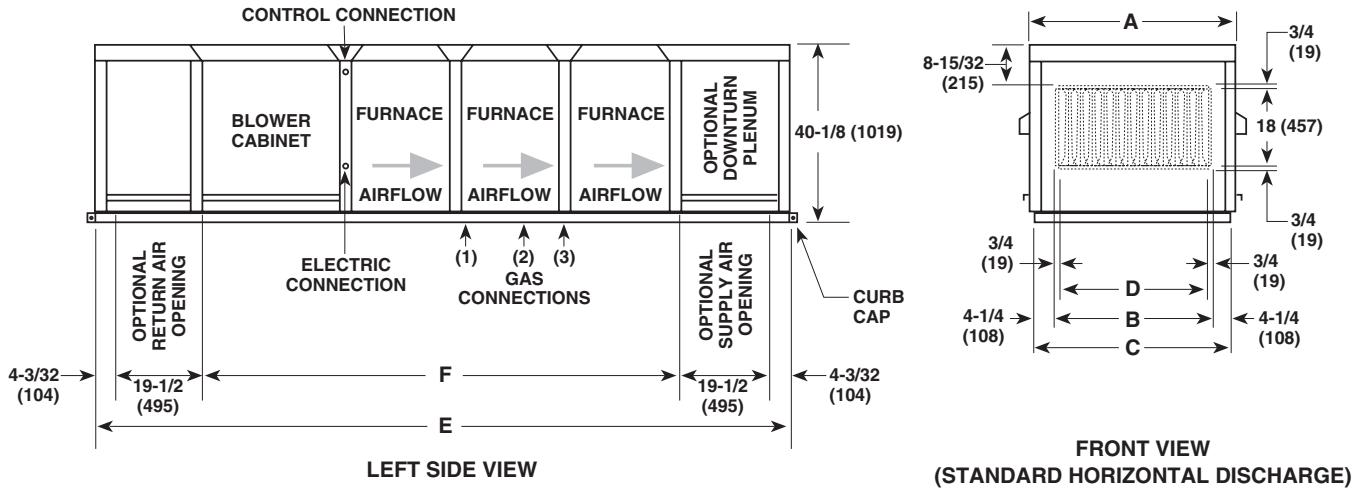
**NOTE: The total weight of the system will vary based on its factory- and field-installed options, which may include insulated cabinets, air hoods, damper arrangements, and blower motors.**

Type	Unit Size (MBTUh)					
	400	500, 600	700	800	1050	1200
	Pounds (kg)					
Unit	849 (385)	1104 (500)	1184 (537)	1245 (565)	1476 (670)	1565 (710)
Shipping (base unit)	1218 (552)	1588 (720)	1668 (757)	1898 (861)	2148 (974)	2243 (1017)
Unit with AQ5 downturn plenum cabinet	1120 (509)	1333 (605)	1437 (652)	1516 (688)	1729 (785)	1836 (833)
Unit with AQ8 downturn plenum cabinet	1159 (526)	1366 (620)	1473 (669)	1555 (706)	1765 (801)	1875 (851)
Cooling cabinet (option AU2)	507 (230)	394 (179)	449 (204)	507 (230)	449 (204)	507 (230)
Cooling cabinet (option AU11 or AU12)	684 (311)	553 (251)	617 (280)	684 (311)	617 (280)	684 (311)
Evaporative cooling module (option ECC1 or ECC2)	374 (170)					



# TECHNICAL SPECIFICATIONS—CONTINUED

## Dimensions



**NOTE:** Burner and control access shown left-hand side. Specify right-hand side for opposite access and connections.

Dimension (See Graphic Above)	Unit Size (MBTUh)					
	400	500, 600	700	800	1050	1200
Inches (mm)						
A	58-7/8 (1495)	47-1/8 (1216)	53-3/8 (1356)	58-7/8 (1495)	53-3/8 (1356)	58-7/8 (1495)
B	47-5/8 (1210)	36-5/8 (930)	42-1/8 (1070)	47-5/8 (1210)	42-1/8 (1070)	47-5/8 (1210)
C	56-1/8 (1426)	45-1/8 (1146)	50-5/8 (1286)	56-1/8 (1426)	50-5/8 (1286)	56-1/8 (1426)
D	45-1/2 (1156)	34-1/2 (876)	40 (1016)	45-1/2 (1156)	40 (1016)	45-1/2 (1156)
E	83-3/4 (2127)	109-3/4 (2788)		135-3/4 (3448)		
	107-3/4 (2737)*	133-3/4 (3397)*		159-3/4 (4058)*		
F	60-5/16 (1532)*	86-5/16 (2192)*		112-5/16 (2853)*		
Air Opening (See Graphic Above)						
Inches (mm)						
Standard horizontal air inlet opening			19-1/2 (495) × B			
Optional return air opening (bottom)						
Optional discharge air opening with downturn plenum						
Standard horizontal discharge air opening			18 (457) × D			
Gas Connection Location** (See Graphic Above)		Approximate Distance from Inside Curb Cap on Blower End of System (Inches (mm))			Unit Size (MBTUh)	
1		89–90 (2261–2286)			400	
2		103–104 (2616–2642)			500, 600, 700, 800	
3		110–111 (2794–2819)			1050, 1200	
*With downturn plenum (option AQ5 or AQ8).						
**The gas connection is at curb cap height on the control side of the system.						

## Clearances

Clearance to combustibles is defined as the minimum distance—from the heater to a surface or object—that is necessary to ensure that a surface temperature of 90°F (50°C) above the surrounding ambient temperature is not exceeded. For safety, adequate combustion air, and convenient installation and service, ensure that clearances are as follows:

Unit Surface	Minimum Clearance (Inches (mm))
Control side	56 (1422)
Side opposite controls, for motor access	30 (762)
Bottom	0 (0)*

\*When the unit is installed on a roof curb on a combustible roof, the roof area enclosed within the curb must be either ventilated, left open, or covered with noncombustible material that has an R-value of at least 5.0.



## Gas Supply Pressure

- The unit is equipped for a maximum gas supply pressure of 1/2 psi, 3.5 kPa, or 14 IN WC for natural gas or propane. The minimum supply pressure, as measured while the unit is operating at full fire, is 5 IN WC for natural gas or 11 IN WC for propane.
- Supply pressure higher than 1/2 psi requires the installation of an additional service regulator external to the unit.
- **Pressure testing supply piping:** For test pressures **above** 1/2 psi, disconnect the heater and manual valve from the gas supply line to be tested and cap or plug the supply line. For test pressures **below** 1/2 psi, before testing, close the manual valve on the heater.

## Gas Supply Piping

- The heater is orificed for operation with natural gas having a heating value of 1,000 ( $\pm 50$ ) BTU per cubic foot or with propane gas having a heating value of 2,550 ( $\pm 100$ ) BTU per cubic foot. Sizing of gas supply lines depends on piping capacity and is based on cubic feet per hour based on a 0.3 IN WC pressure drop, a 0.6 specific gravity for natural gas at 1,000 BTU per cubic feet, and a 1.6 specific gravity for propane at 2,550 BTU per cubic feet. If the gas at the installation does not meet this specification, consult the factory for proper orificing.
- Variables for sizing gas supply lines are listed below. When sizing supply lines, consider the possibility of future expansion and increased requirements. Refer to the *National Fuel Gas Code* for additional information on line sizing.

Pipe Length (Feet)	Natural Gas					Propane				
	Pipe Diameter (Inches)									
	1	1-1/4	1-1/2	2	2-1/2	1	1-1/4	1-1/2	2	2-1/2
	Cubic Feet per Hour									
20	350	730	1100	2100	3300	214	445	671	1281	2013
30	285	590	890	1650	2700	174	360	543	1007	1647
40	245	500	760	1450	2300	149	305	464	885	1403
50	215	440	670	1270	2000	131	268	409	775	1220
60	195	400	610	1105	1850	119	244	372	674	1129
70	180	370	560	1050	1700	110	226	342	641	1037
80	170	350	530	990	1600	104	214	323	604	976
90	160	320	490	930	1500	98	195	299	567	915
100	150	305	460	870	1400	92	186	281	531	854
125	130	275	410	780	1250	79	168	250	476	763
150	120	250	380	710	1130	73	153	232	433	689
175	110	225	350	650	1050	67	137	214	397	641
200	100	210	320	610	980	61	128	195	372	598

## Disconnect Switch

A disconnect switch is a required part of this installation. Switches are available as options or parts or may be supplied locally. When ordered as an optional component, the disconnect switch is shipped separately. The disconnect switch may be fusible or non-fusible. When providing or replacing fuses in a fusible disconnect switch, use dual element time delay fuses and size according to  $1.25 \times$  maximum total input amps. When installing, ensure that the conduit and switch housing are clear of furnace panels and inspection plates. Allow at least 4 feet (1.2 meters) of service room between the switch and removable panels. Refer to the installation manual for further information on electrical connections.

## TECHNICAL SPECIFICATIONS—CONTINUED

### Blower Performance Data

Unit Size (MBTUh)	CFM	With Clean Disposable 2-Inch Filters	With Clean Permanent 2-Inch Aluminum Filters	With Clean Pleated 2-Inch Filters	With Evaporative Cooler		With Outside Air Hood	With Dampers	With Downturn Plenum
					12-Inch Media	Moisture Elimination Pad			
Pressure Drop (IN WC)									
400	3300	0.02	0.03	0.03	0.02	0.013	0.06	0.01	0.02
	4000	0.03	0.05	0.06	0.04	0.024	0.10	0.01	0.03
	5000	0.04	0.08	0.10	0.06	0.037	0.15	0.02	0.05
	6000	0.06	0.12	0.14	0.08	0.053	0.23	0.02	0.07
	7000	0.08	0.16	0.19	0.10	0.073	0.31	0.03	0.10
	8000	0.10	0.21	0.25	0.14	0.095	0.40	0.04	0.13
	9000	0.13	0.26	0.31	0.18	0.120	0.50	0.06	0.17
	10,000	—	0.33	0.39	0.22	0.148	0.62	0.07	0.21
	11,000	—	0.40	0.47	0.26	0.179	0.76	0.08	0.25
	12,000	—	0.48	0.56	0.30	0.213	0.90	0.10	0.30
500, 600	3700	0.04	0.04	0.06	0.02	0.018	0.13	0.01	0.04
	4000	0.05	0.06	0.08	0.04	0.024	0.16	0.02	0.06
	5000	0.08	0.10	0.12	0.06	0.037	0.25	0.03	0.08
	6000	0.12	0.14	0.17	0.08	0.053	0.36	0.04	0.12
	7000	0.16	0.20	0.23	0.10	0.073	0.49	0.05	0.16
	8000	—	0.25	0.31	0.14	0.095	0.64	0.07	0.20
	9000	—	0.31	0.40	0.18	0.120	0.81	0.09	0.26
	10,000	—	0.39	—	0.22	0.148	1.00	0.11	0.32
	11,000	—	0.46	—	0.26	0.179	1.21	0.13	0.40
	12,500	—	0.60	—	0.34	0.231	1.57	0.14	0.52
700	5200	0.06	0.08	0.10	0.06	0.037	0.19	0.02	0.06
	6000	0.06	0.10	0.15	0.08	0.053	0.28	0.03	0.10
	7000	0.08	0.14	0.20	0.10	0.073	0.38	0.04	0.14
	8000	0.10	0.18	0.27	0.14	0.095	0.50	0.05	0.16
	9000	—	0.24	0.33	0.18	0.120	0.63	0.07	0.22
	10,000	—	0.30	0.41	0.22	0.148	0.77	0.09	0.28
	11,000	—	0.36	—	0.26	0.179	0.94	0.10	0.34
	12,000	—	0.42	—	0.30	0.213	1.12	0.12	0.40
800	5900	0.05	0.10	0.12	0.06	0.045	0.20	0.02	0.06
	6000	0.06	0.12	0.14	0.08	0.053	0.23	0.02	0.07
	7000	0.08	0.16	0.19	0.10	0.073	0.31	0.03	0.10
	8000	0.10	0.21	0.25	0.14	0.095	0.40	0.04	0.13
	9000	0.13	0.26	0.31	0.18	0.120	0.50	0.06	0.17
	10,000	—	0.33	0.39	0.22	0.148	0.62	0.07	0.21
	11,000	—	0.40	0.47	0.26	0.179	0.76	0.08	0.25
	12,000	—	0.48	0.56	0.30	0.213	0.90	0.10	0.30
1050	6500	0.06	0.10	0.08	0.08	0.053	0.29	0.03	0.10
	7000	0.08	0.14	0.12	0.10	0.073	0.38	0.04	0.14
	8000	0.10	0.18	0.16	0.14	0.095	0.50	0.05	0.16
	9000	—	0.24	0.20	0.18	0.120	0.63	0.07	0.22
	10,000	—	0.30	0.24	0.22	0.148	0.77	0.09	0.28
	11,000	—	0.36	—	0.26	0.179	0.94	0.10	0.34
	12,000	—	0.42	—	0.30	0.213	1.12	0.12	0.40
	13,000	—	0.50	—	0.36	0.250	1.31	0.15	0.46

Unit Size (MBTUh)	CFM	With Clean Disposable 2-Inch Filters	With Clean Permanent 2-Inch Aluminum Filters	With Clean Pleated 2-Inch Filters	With Evaporative Cooler		With Outside Air Hood	With Dampers	With Downturn Plenum
					12-Inch Media	Moisture Elimination Pad			
Pressure Drop (IN WC)									
1200	7400	0.08	0.16	0.19	0.1	0.073	0.31	0.03	0.10
	8000	0.10	0.21	0.25	0.14	0.095	0.40	0.04	0.13
	9000	0.13	0.26	0.31	0.18	0.120	0.50	0.06	0.17
	10,000	—	0.33	0.39	0.22	0.148	0.62	0.07	0.21
	11,000	—	0.40	0.47	0.26	0.179	0.76	0.08	0.25
	12,000	—	0.48	0.56	0.30	0.213	0.90	0.10	0.30
	13,000	—	0.56	—	0.36	0.250	1.05	0.12	0.35

Unit Size (MBTUh)	Rise (°F)	CFM	Total Adjusted Pressure Drop (IN WC)							
			0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6
400	90	3300	420/0.4	530/0.55	600/0.7	720/1.0	760/1.2	810/1.3	880/1.5	940/1.8
	85	3500	440/0.5	550/0.65	610/0.80	730/1.1	770/1.25	820/1.4	890/1.8	950/1.9
	74	4000	470/0.6	570/0.8	640/1.0	740/1.25	780/1.4	830/1.8	900/1.9	970/2.1
	59	5000	540/1.0	610/1.25	700/1.5	780/1.8	810/2.0	880/2.2	950/2.6	1000/3.0
	49	6000	600/1.5	690/1.75	740/2.0	820/2.5	860/2.7	900/3.0	970/3.2	1020/3.6
	42	7000	710/2.3	770/2.7	820/3.0	890/3.5	920/3.7	960/4.0	1000/4.2	1050/4.6
	37	8000	800/3.3	850/3.8	900/4.1	950/4.5	990/4.7	1020/5.0	1050/5.1	1110/5.6
	33	9000	880/4.5	910/4.9	970/5.1	1010/6.0	1050/6.3	1080/7.0	1110/7.3	1200/7.8
	30	10000	960/6.2	1010/7.0	1050/7.5	1120/8.0	1150/8.5	1200/8.8	1210/9.0	1260/9.1
	27	11000	1100/8.7	1140/9.0	1180/9.5	1210/10.0	1240/10.2	1260/11.0	1300/11.5	1310/12.0
	25	12000	1200/11.0	1240/11.5	1280/12.5	1300/13.0	1320/13.5	1350/14.0	1380/14.5	1400/14.7
	23	13000	1300/14.5	1310/14.8	1350/15.2	1380/16.0	1400/16.2	1420/16.5	1450/17.0	1460/17.4
	21	14000	1380/17.5	1410/18.0	1400/19.0	1480/19.5	1500/20.0	—	—	—
500	100	3700	560/0.8	610/0.9	680/1.1	770/1.3	810/1.5	880/1.6	940/1.9	990/2.0
	93	4000	590/0.9	650/1.1	710/1.3	790/1.4	830/1.6	890/1.75	950/2.0	1000/2.2
	74	5000	650/1.3	710/1.6	790/1.9	860/2.1	890/2.2	930/2.5	990/2.7	1030/3.0
	62	6000	780/2.2	810/2.5	880/2.7	920/3.0	970/3.2	1000/3.5	1050/3.9	1100/4.2
	53	7000	880/3.3	910/3.7	980/4.1	1020/4.4	1050/4.8	1100/5.0	1130/5.3	1160/5.6
	46	8000	1000/5.0	1030/5.1	1070/5.5	1100/6.0	1150/6.2	1170/6.8	1200/7.2	1290/7.7
	41	9000	1140/7.0	1160/7.2	1200/7.8	1230/8.0	1260/8.5	1290/8.7	1310/9.0	1360/9.5
	37	10000	1240/9.5	1280/10.0	1310/10.5	1350/11.0	1380/11.5	1400/12.0	1420/12.3	1470/12.7
	34	11000	1360/13.0	1400/13.5	1440/14.0	1470/14.5	1500/15.0	1520/15.1	1520/15.5	1570/16.0
	31	12000	1480/16.0	1510/17.0	1550/17.5	1580/18.0	1600/18.5	—	—	—
600	100	4450	620/1.1	680/1.3	740/1.6	820/1.7	850/1.9	910/2.1	970/2.5	1010/2.7
	89	5000	650/1.3	710/1.6	790/1.9	860/2.1	890/2.2	930/2.5	990/2.7	1030/3.0
	74	6000	780/2.2	810/2.5	880/2.7	920/3.0	970/3.2	1000/3.5	1050/3.9	1100/4.2
	63	7000	880/3.3	910/3.7	980/4.1	1020/4.4	1050/4.8	1100/5.0	1130/5.3	1160/5.6
	56	8000	1000/5.0	1030/5.1	1070/5.5	1100/6.0	1150/6.2	1170/6.8	1200/7.2	1290/7.7
	53	9000	1140/7.0	1160/7.2	1200/7.8	1230/8.0	1260/8.5	1290/8.7	1310/9.0	1360/9.5
	44	10000	1240/9.5	1280/10.0	1310/10.5	1350/11.0	1380/11.5	1400/12.0	1420/12.3	1470/12.7
	40	11000	1360/13.0	1390/13.5	1440/14.0	1470/14.5	1500/15.0	1520/15.1	1520/15.5	1570/16.0
	39	11500	1420/15.0	1450/15.2	1500/16.0	1530/16.5	1550/17.2	1590/17.5	1600/18.0	—
	36	12500	1540/18.0	1560/18.6	1600/19.6	—	—	—	—	—
700	100	5200	590/1.3	660/1.4	730/1.6	800/1.8	880/2.2	910/2.5	980/2.8	1040/3.2
	86	6000	640/1.6	730/1.9	790/2.3	850/2.6	900/3.0	940/3.2	1000/3.7	1060/4.0
	74	7000	760/2.6	800/3.0	860/3.2	920/3.7	960/4.0	1000/4.2	1050/4.6	1100/4.8
	65	8000	850/3.7	900/4.0	950/4.5	1000/4.8	1030/5.0	1060/5.5	1100/6.0	1150/6.5
	58	9000	950/5.0	980/5.3	1030/6.0	1070/6.5	1100/7.0	1130/7.5	1200/8.0	1240/8.3
	52	10000	1040/7.5	1110/7.8	1150/8.0	1180/8.5	1200/8.7	1230/9.0	1280/9.8	1320/10.0
	47	11000	1200/8.7	1220/10.0	1250/10.6	1290/11.3	1310/11.8	1330/12.0	1370/12.6	1410/13.0
	43	12000	1300/12.7	1320/13.0	1360/14.0	1380/14.5	1400/14.9	1430/15.5	1470/16.8	1490/17.0
	40	13000	1390/16.2	1400/16.5	1440/17.0	1470/17.5	1500/18.0	1520/19.0	—	—
	38	13500	1440/17.0	1460/18.0	1490/19.0	1530/20.0	—	—	—	—

## TECHNICAL SPECIFICATIONS—CONTINUED

### Blower Performance Data—Continued

Unit Size (MBTUh)	Rise (°F)	CFM	Total Adjusted Pressure Drop (IN WC)							
			0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6
800	100	5900	650/1.6	730/2.0	800/2.4	860/2.6	900/3.0	940/3.2	1010/3.6	1060/4.0
	85	7000	770/2.6	800/2.9	890/3.4	930/3.8	960/4.0	1000/4.2	1050/4.5	1100/4.9
	74	8000	860/3.7	900/4.0	960/4.5	1000/4.8	1030/5.0	1070/5.5	1100/6.0	1150/6.4
	66	9000	950/5.0	990/5.5	1040/6.0	1080/6.8	1100/7.2	1180/7.6	1200/8.0	1240/8.3
	59	10000	1100/7.8	1130/8.1	1190/8.8	1220/9.0	1240/9.6	1280/9.8	1300/10.0	1330/11.0
	54	11000	1210/9.9	1220/10.1	1260/11.0	1300/11.5	1320/12.3	1350/12.5	1380/12.8	1410/14.0
	49	12000	1300/12.7	1340/13.0	1360/14.0	1400/14.8	1410/15.0	1450/15.5	1480/16.4	1500/17.0
	46	13000	1400/16.2	1420/16.5	1450/17.5	1490/17.8	1510/18.2	1540/19.0	1560/19.5	—
	44	13500	1440/17.5	1470/18.2	1510/19.5	1530/20.0	—	—	—	—
1050	120	6500	710/2.0	770/2.4	820/2.7	900/3.1	930/3.3	980/3.7	1040/4.0	1090/4.3
	111	7000	770/2.7	810/3.1	870/3.4	940/3.75	960/4.0	1010/4.3	1060/4.7	1120/5.0
	97	8000	870/3.8	910/4.1	960/4.6	1010/4.9	1040/5.1	1070/5.6	1110/6.1	1160/6.6
	86	9000	960/5.1	1000/5.5	1040/6.2	1080/7.0	1120/7.5	1190/7.8	1220/8.1	1250/8.5
	78	10000	1100/7.7	1120/8.0	1160/8.5	1200/8.8	1240/9.0	1260/9.5	1290/10.0	1330/10.5
	71	11000	1200/9.9	1220/10.1	1260/10.6	1300/11.5	1320/11.5	1340/12.0	1380/12.5	1420/13.2
	65	12000	1310/12.8	1330/13.1	1370/14.5	1400/14.8	1410/15.0	1440/15.2	1460/15.7	1510/17.1
	60	13000	1400/16.5	1410/17.0	1460/17.6	1490/18.0	1510/18.5	1540/19.0	1560/19.5	—
	58	13500	1450/18.0	1480/18.5	1520/19.0	—	—	—	—	—
1200	120	7400	810/3.1	870/3.5	920/3.8	970/4.1	1000/4.6	1050/4.8	1080/5.0	1130/5.2
	111	8000	870/3.8	910/4.1	960/4.7	1000/4.9	1040/5.2	1080/5.8	1110/6.1	1160/6.5
	99	9000	960/5.1	1000/5.7	1050/6.4	1080/7.0	1110/7.3	1190/7.8	1210/8.1	1250/8.6
	89	10000	1110/7.8	1140/8.2	1200/9.0	1230/9.1	1250/9.7	1290/9.9	1310/10.5	1340/11.1
	81	11000	1220/10.0	1230/10.2	1270/11.1	1310/11.6	1330/12.4	1360/12.5	1390/13.0	1420/14.0
	74	12000	1310/12.8	1340/13.1	1370/14.1	1410/15.0	1420/15.4	1470/16.0	1490/16.5	1510/17.1
	68	13000	1410/16.5	1420/17.0	1460/17.8	1500/18.2	1520/19.0	1550/19.6	—	—
	66	13500	1470/18.0	1490/18.5	1520/19.6	1540/20.0	—	—	—	—

Unit Size (MBTUh)	Rise (°F)	CFM	Total Adjusted Pressure Drop (IN WC)						
			1.8	2.0	2.2	2.4	2.6	2.8	3.0
400	90	3300	1000/2.0	1040/2.2	1090/2.7	1140/2.9	1190/3.1	1260/3.5	1270/3.6
	85	3500	1020/2.3	1050/2.5	1110/2.8	1150/3.0	1200/3.2	1270/3.6	1280/3.75
	74	4000	1030/2.6	1060/2.7	1120/3.0	1160/3.3	1205/3.6	1280/4.0	1290/4.2
	59	5000	1060/3.3	1100/3.5	1140/3.8	1180/4.0	1220/4.3	1285/4.7	1300/4.8
	49	6000	1080/4.0	1110/4.2	1150/4.5	1190/4.7	1230/4.9	1290/5.1	1310/5.5
	42	7000	1110/4.8	1140/5.0	1190/5.2	1210/6.0	1260/6.3	1300/7.0	1350/7.5
	37	8000	1150/6.2	1180/7.0	1200/7.2	1250/7.5	1300/8.0	1350/8.2	1370/8.7
	33	9000	1240/8.2	1260/8.6	1300/8.9	1320/9.1	1350/9.6	1400/10.0	1420/11.0
	30	10000	1290/9.9	1310/10.1	1350/10.5	1380/11.0	1410/12.0	1450/12.5	1470/12.7
	27	11000	1360/12.5	1380/12.7	1400/13.0	1460/14.0	1480/14.9	1520/15.5	1530/16.0
	25	12000	1420/15.0	1450/15.2	1470/16.0	1500/16.5	1530/17.0	1560/17.5	1590/18.0
	23	13000	1500/18.0	1510/18.2	1530/19.0	1580/19.5	1600/20.0	—	—
	500	100	3700	1080/2.5	1110/2.6	1140/2.8	1180/3.0	1220/3.3	1280/4.5
93		4000	1090/2.7	1120/2.8	1150/2.9	1190/3.2	1230/3.8	1290/4.9	1300/5.0
74		5000	1100/3.5	1130/3.8	1160/4.1	1200/4.5	1240/5.0	1300/5.5	1320/6.0
62		6000	1140/4.5	1180/4.9	1200/5.1	1250/5.7	1280/6.2	1320/6.6	1350/7.0
53		7000	1210/6.2	1250/6.9	1270/7.0	1300/7.4	1380/7.6	1410/7.9	1450/8.5
46		8000	1320/8.0	1340/8.2	1370/8.6	1400/8.8	1440/9.2	1490/9.6	1510/10.0
41		9000	1400/10.0	1420/10.2	1460/10.6	1480/11.0	1510/11.2	1540/12.0	1580/12.5
37		10000	1510/13.0	1520/13.5	1550/14.0	1580/14.5	1600/15.0	—	—
34		11000	1600/16.5	—	—	—	—	—	—

Unit Size (MBTUh)	Rise (°F)	CFM	Total Adjusted Pressure Drop (IN WC)						
			1.8	2.0	2.2	2.4	2.6	2.8	3.0
600	100	4450	1090/2.9	1120/3.1	1150/3.5	1190/4.0	1230/4.8	1290/5.2	1310/5.5
	89	5000	1100/3.5	1130/3.8	1160/4.1	1200/4.5	1240/5.0	1300/5.5	1320/6.0
	74	6000	1140/4.5	1180/4.9	1200/5.1	1250/5.7	1280/6.2	1320/6.6	1250/7.0
	63	7000	1210/6.2	1250/6.9	1270/7.0	1300/7.4	1380/7.6	1410/7.9	1450/8.5
	56	8000	1320/8.0	1340/8.2	1370/8.6	1400/8.8	1440/9.2	1490/9.6	1510/10.0
	53	9000	1400/10.0	1420/10.2	1460/10.6	1480/11.0	1510/11.2	1540/12.0	1580/12.5
	44	10000	1500/13.0	1520/13.5	1550/14.0	1580/14.5	1600/15.0	—	—
	40	11000	1600/16.5	—	—	—	—	—	—
700	100	5200	1090/3.6	1120/3.8	1160/4.0	1200/4.2	1240/4.5	1290/4.8	1300/4.9
	86	6000	1100/4.2	1140/4.4	1180/4.6	1210/4.9	1250/5.2	1300/4.8	1320/6.0
	74	7000	1140/5.0	1160/5.2	1200/5.5	1240/6.1	1280/6.6	1310/7.1	1340/7.3
	65	8000	1200/7.0	1240/7.3	1260/7.5	1300/7.9	1340/8.4	1380/9.0	1410/9.3
	58	9000	1280/8.6	1300/9.0	1320/9.5	1360/9.8	1400/10.2	1440/11.0	1460/11.5
	52	10000	1350/10.5	1370/11.0	1400/12.0	1420/12.4	1470/12.6	1490/12.8	1500/13.0
	47	11000	1450/14.0	1460/14.5	1490/15.0	1500/15.5	1540/15.9	1570/16.4	1600/16.9
	43	12000	1540/17.3	1550/18.2	1570/18.5	1600/18.9	—	—	—
800	100	5900	1110/4.2	1140/4.4	1180/4.6	1210/5.0	1260/5.6	1300/6.0	1330/6.3
	85	7000	1150/5.2	1180/5.9	1210/6.1	1240/6.5	1290/7.0	1310/7.2	1340/7.5
	74	8000	1190/6.9	1230/7.1	1280/7.5	1300/8.0	1340/8.7	1390/9.0	1410/9.3
	66	9000	1280/8.6	1300/9.0	1320/9.3	1360/9.9	1400/10.2	1440/11.0	1470/11.5
	59	10000	1370/11.4	1380/11.9	1420/12.4	1450/12.6	1480/13.2	1510/13.5	1540/14.4
	54	11000	1460/14.4	1490/15.2	1500/15.3	1510/15.5	1550/16.0	1600/17.0	—
	49	12000	1530/17.5	1540/17.9	1580/18.2	1600/18.8	—	—	—
	1050	120	6500	1150/4.9	1170/4.9	1190/5.0	1230/5.2	1260/5.4	1300/5.9
111		7000	1160/5.2	1180/5.5	1210/5.8	1250/6.2	1290/6.9	1320/7.2	1350/7.4
97		8000	1210/7.1	1250/7.4	1270/7.6	1300/8.0	1350/8.5	1400/9.1	1420/9.4
86		9000	1290/8.8	1310/9.1	1330/9.6	1380/10.0	1410/10.5	1450/11.1	1470/11.8
78		10000	1360/11.0	1390/11.5	1410/12.1	1440/12.5	1480/13.0	1510/13.6	1530/14.0
71		11000	1460/14.2	1470/14.5	1490/15.0	1510/15.6	1550/16.1	1580/16.5	1660/17.0
65		12000	1550/17.4	1560/17.7	1580/18.6	1610/19.0	—	—	—
1200		120	7400	1180/5.5	1210/6.0	1240/6.4	1280/6.8	1330/7.5	1360/7.8
	111	8000	1200/7.0	1250/7.5	1290/7.7	1310/8.1	1360/8.8	1400/9.1	1420/9.5
	99	9000	1290/9.0	1310/9.3	1330/9.7	1390/10.0	1410/10.6	1460/11.5	1490/12.0
	89	10000	1380/11.5	1390/12.0	1430/12.5	1460/12.7	1490/13.3	1530/14.1	1550/14.5
	81	11000	1470/14.5	1480/14.7	1510/15.5	1520/15.6	1560/16.1	1590/17.1	—
	74	12000	1550/17.6	1560/18.0	1590/18.6	1610/19.0	—	—	—

Unit Size (MBTUh)	Actual Heating Airflow Range		Standard Cooling Airflow Range*
	Maximum	Minimum	
	CFM (Meter <sup>2</sup> /Hour)		
400	14,000 (23,785)	3300 (5607)	8200 (13,931)
500	12,000 (20,387)	3,700 (6,286)	6,180 (10,499)
600	12,500 (21,237)	4,450 (7,560)	6,180 (10,499)
700	13,500 (22,936)	5,200 (8,835)	7,190 (12,215)
800	13,500 (22,936)	5,900 (10,024)	8,200 (13,931)
1050	13,500 (22,936)	6,500 (11,043)	7,190 (12,215)
1200	13,500 (22,936)	7,400 (12,572)	8,200 (13,931)

\*Maximum = 550 SFPM (2.8 M/s).

## TECHNICAL SPECIFICATIONS—CONTINUED

### Filter Pressure Drops

Unit Size (Configuration)	CFM	Filter Type		
		Disposable	Permanent	Pleated
		Pressure Drop (IN WC)		
400 (one size 400 furnace + one blower)	3300	0.02	0.03	0.03
	4000	0.03	0.05	0.06
	5000	0.04	0.08	0.10
	6000	0.06	0.12	0.14
	7000	0.08	0.16	0.19
	8000	0.10	0.21	0.25
	9000	0.13	0.26	0.31
	10,000	—	0.33	0.39
	11,000	—	0.40	0.47
	12,000	—	0.48	0.56
	13,000	—	0.56	—
500 (two size 250 furnaces + one blower)	3700	0.04	0.04	0.06
	4000	0.05	0.06	0.08
	5000	0.08	0.10	0.12
	6000	0.12	0.14	0.17
	7000	0.16	0.20	0.23
	8000	—	0.25	0.31
	9000	—	0.31	0.40
	10,000	—	0.39	—
	11,000	—	0.46	—
	12500	—	0.60	—
700 (two size 350 furnaces + one blower)	5200	0.06	0.08	0.10
	6000	0.06	0.10	0.15
	7000	0.08	0.14	0.20
	8000	0.10	0.18	0.27
	9000	—	0.24	0.33
	10,000	—	0.30	0.41
	11,000	—	0.36	—
	12,000	—	0.42	—
800 (two size 400 furnaces + one blower)	5900	0.05	0.10	0.12
	6000	0.06	0.12	0.14
	7000	0.08	0.16	0.19
	8000	0.10	0.21	0.25
	9000	0.13	0.26	0.31
	10,000	—	0.33	0.39
	11,000	—	0.40	0.47
	12,000	—	0.48	0.56
	13,000	—	0.56	—

Unit Size (Configuration)	CFM	Filter Type		
		Disposable	Permanent	Pleated
		Pressure Drop (IN WC)		
1050 (three size 350 furnaces + one blower)	6500	0.06	0.10	0.08
	7000	0.08	0.14	0.12
	8000	0.10	0.18	0.16
	9000	—	0.24	0.2
	10,000	—	0.30	0.24
	11,000	—	0.36	—
	12,000	—	0.42	—
	13,000	—	0.50	—
1200 (three size 400 furnaces + one blower)	7400	0.08	0.16	0.19
	8000	0.10	0.21	0.25
	9000	0.13	0.26	0.31
	10,000	—	0.33	0.39
	11,000	—	0.40	0.47
	12,000	—	0.48	0.56
	13,000	—	0.56	—

### Optional Evaporative Cooling Module Specifications

Parameter	Unit of Measure	Unit Size (MBTUh)						
		400	500	600	700	800	1050	1200
Evaporative efficiency with 12-inch media*	%	90						
Maximum cooling air flow	CFM	14,000	12,000	12,500	13,500	13,500	13,500	13,500
	meter <sup>3</sup> /hour	23,785	20,387	21,237	22,936	22,936	22,936	22,936
Media face size	inch	48 × 56						
	foot <sup>2</sup>	18.67						
Maximum face velocity**	FPM	750	643	670	723	723	723	723
	mm/second	3809	3265	3401	3673	3673	3673	3673
Pump size	HP	1/50						
Amps @ 115V/1Ph	amp	1.1						
Wattage	watt	80						
*The cooling efficiency is determined at the maximum allowable CFM without the moisture elimination pad and with an inlet dry bulb temperature of 95°F and an inlet wet bulb temperature of 65°F. Evaporative cooling efficiency is a function of inlet temperature (wet and dry bulbs) and face velocity through the pads. The stated cooling efficiency rises with the decrease of velocity and the increase of inlet temperature.								
**Velocity (FPM) = CFM ÷ media face size (foot <sup>2</sup> ). Optional moisture elimination pad is required above 600 FPM (3,000 mm/second).								



## ⚠ DANGER ⚠

### FIRE OR EXPLOSION HAZARD

- Failure to follow safety warnings exactly could result in serious injury, death, or property damage.
- Improper installation, adjustment, alteration, service, or maintenance can cause serious injury, death, or property damage.
- Installation and service must be performed by a qualified installer, service agency, or the gas supplier.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

### WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Leave the building immediately.
- Immediately call your gas supplier from a phone remote from the building. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

**For more information on Reznor HVAC products:**

- **Contact your local Reznor representative at 1-800-695-1901**
- **Refer to the manuals and additional consumer materials found at [www.reznorhvac.com](http://www.reznorhvac.com)**

