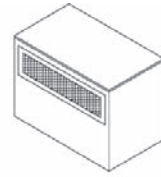


Installation Instructions

Discharge Plenum



Model Number:	Used With:	Model Number:	Used With:
BAYPLNM015	TWE051/060	BAYPLNM019	TWE201/240/251/300
BAYPLNM016	TWE072/076/090	BAYPLNM020	TWE051/060
BAYPLNM017	TWE101/120	BAYPLNM021	TWE072/076/090
BAYPLNM018	TWE126/150/156/180	BAYPLNM022	TWE101/120

SAFETY WARNING
 Only qualified personnel should install and service the equipment. The installation, starting up, and servicing of heating, ventilating, and air-conditioning equipment can be hazardous and requires specific knowledge and training. Improperly installed, adjusted or altered equipment by an unqualified person could result in death or serious injury. When working on the equipment, observe all precautions in the literature and on the tags, stickers, and labels that are attached to the equipment.

April 2020

ACC-SVN89G-EN

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1 Warnings, Cautions, and Notices

Read this manual thoroughly before operating or servicing this unit. Safety advisories appear throughout this manual as required. Your personal safety and the proper operation of this machine depend upon the strict observance of these precautions.

The three types of advisories are defined as follows:

- WARNING** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
- CAUTION** Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It could also be used to alert against unsafe equipment or property-damage only accidents.
- NOTICE** Indicates a situation that could result in equipment or property-damage only accidents.

Important Environmental Concerns

Scientific research has shown that certain man-made chemicals can affect the earth's naturally occurring stratospheric ozone layer when released to the atmosphere. In particular, several of the identified chemicals that may affect the ozone layer are refrigerants that contain Chlorine, Fluorine and Carbon (CFCs) and those containing Hydrogen, Chlorine, Fluorine and Carbon (HCFCs). Not all refrigerants containing these compounds have the same potential impact to the environment. Trane advocates the responsible handling of all refrigerants-including industry replacements for CFCs such as HCFCs and HFCs.

Important Responsible Refrigerant Practices

Trane believes that responsible refrigerant practices are important to the environment, our customers, and the air conditioning industry. All technicians who handle refrigerants must be certified according to local rules. For the USA, the Federal Clean Air Act (Section 608) sets forth the requirements for handling, reclaiming, recovering and recycling of certain refrigerants and the equipment that is used in these service procedures. In addition, some states or municipalities may have additional requirements that must also be adhered to for responsible management of refrigerants. Know the applicable laws and follow them.

2 WARNING

Proper Field Wiring and Grounding Required!
 Failure to follow code could result in death or serious injury. All field wiring MUST be performed by qualified personnel. Improperly installed and grounded field wiring poses FIRE and ELECTROCUTION hazards. To avoid these hazards, you MUST follow requirements for field wiring installation and grounding as described in NEC and your local/state electrical codes.

WARNING

Personal Protective Equipment Required!
 Installing/servicing this unit could result in exposure to electrical, mechanical and chemical hazards. Before installing/servicing this unit, technicians MUST put on all Personal Protective Equipment (PPE) recommended for the work being undertaken. ALWAYS refer to appropriate SDS sheets and OSHA guidelines for proper PPE. When working with or around hazardous chemicals, ALWAYS refer to the appropriate SDS sheets and OSHA guidelines for information on allowable personal exposure levels, proper respiratory protection and handling recommendations. If there is a risk of arc or flash, technicians MUST put on all necessary Personal Protective Equipment (PPE) in accordance with NFPA70E for arc/flash protection PRIOR to servicing the unit. Failure to follow recommendations could result in death or serious injury.

WARNING

Follow EHS Policies!
 Failure to follow instructions below could result in death or serious injury.

- All Trane personnel must follow the company's Environmental, Health and Safety (EHS) policies when performing work such as hot work, electrical, fall protection, lockout/tagout, refrigerant handling, etc. Where local regulations are more stringent than these policies, those regulations supersede these policies.
- Non-Trane personnel should always follow local regulations.

3 WARNING

Heavy Object!
 Failure to follow these instructions could result in death, serious injury, and property damage. Make certain that the lifting methods used to lift the duct furnace are capable of supporting the weight of the heater during installation. Ensure that all hardware used in the suspension of each duct furnace is more than adequate for the job. Make certain that the structure to which the duct furnace is to be mounted is capable of safely supporting its weight. Under no circumstances must the gas lines, venting system, or the electrical conduit be used to support the duct furnace. Do not allow objects (i.e. ladder) or people to lean against the gas lines, venting system, or electrical conduit for support.

General

The discharge plenums referred to in this installer's guide can be used with air handlers only, see Figure 1, or with air handlers equipped with water or steam coils, see Figure 2. They are intended for use on air handlers installed only in the vertical position.

Refer to Table 1 to determine which plenum is to be used with each particular unit. The only dimensional difference between plenums used without heating coils and with heating coils is their height. When installed, air handlers with a heating coil and plenum should equal the height of an air handler with only a plenum except where the BAYPLNM018/019 is used with the heating coil.

Inspection

Inspect the material carefully for any shipping damage. If damaged, it must be reported to, and claims made against the transportation company.

Installation

1. Remove the plenum, gasket and screws from shipping package.
2. Remove the duct flanges from the top of the air handler or water coil if unit is so equipped. (See Figure 1 and Figure 2).

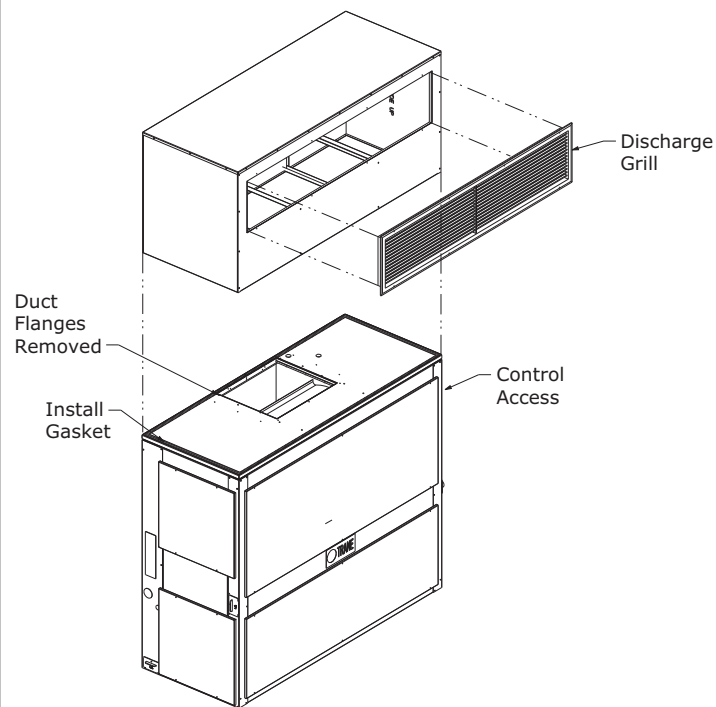
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3. Install the gasket (provided), on the top of the air handler, or coil if used, (complete perimeter of unit) as shown in Figure 1 and Figure 2.
4. Remove the grill from the plenum. (See Figure 1 and Figure 2).
5. Place the plenum on top of the air handler or water coil and secure with self drilling screws in the holes located in the bottom flanges of the plenum.
6. Reinstall the grill on the plenum and secure with the screws that were removed.

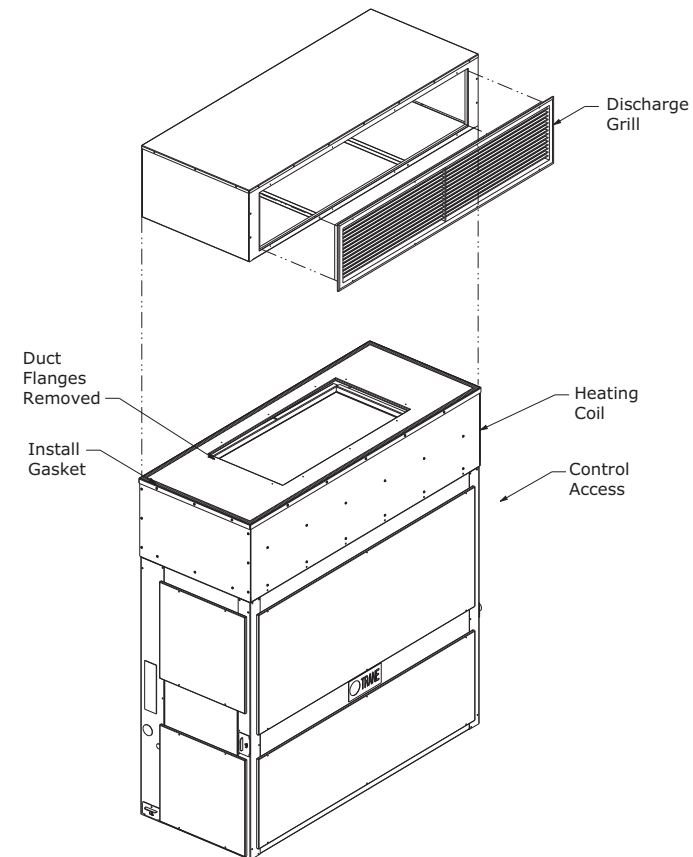
Table 1. Plenum models

Air Handler Used With	Plenum Models	
	used without heating coil	used with heating coil
TWE051/60	BAYPLNM015	BAYPLNM020
TWE072/076/090	BAYPLNM016	BAYPLNM021
TWE101/120	BAYPLNM017	BAYPLNM022
TWE126/150/156/180	BAYPLNM018	BAYPLNM018
TWE201/240/251/300	BAYPLNM019	BAYPLNM019

5 Figure 1. Plenum installation with standard air handler

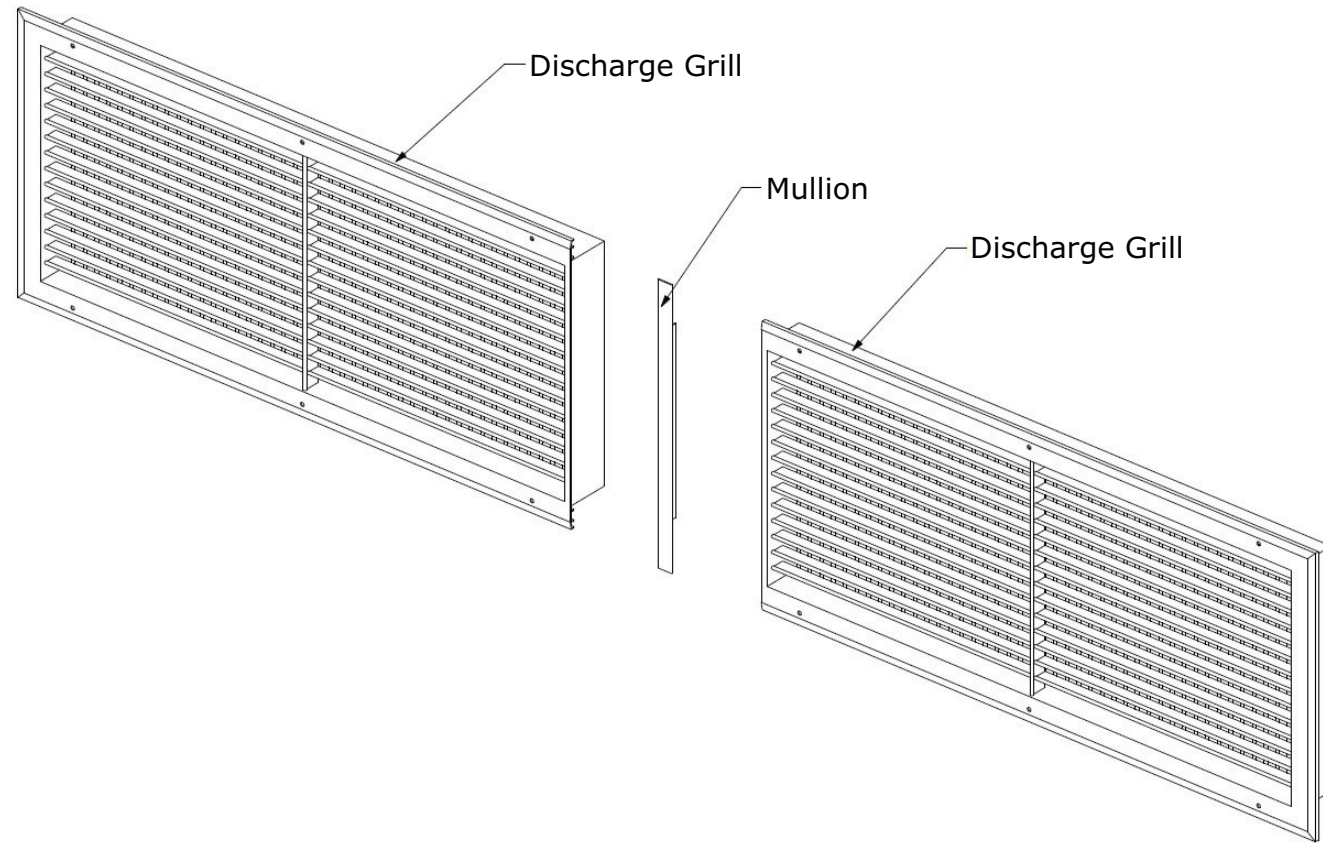


6 Figure 2. Plenum installation with water or steam coil



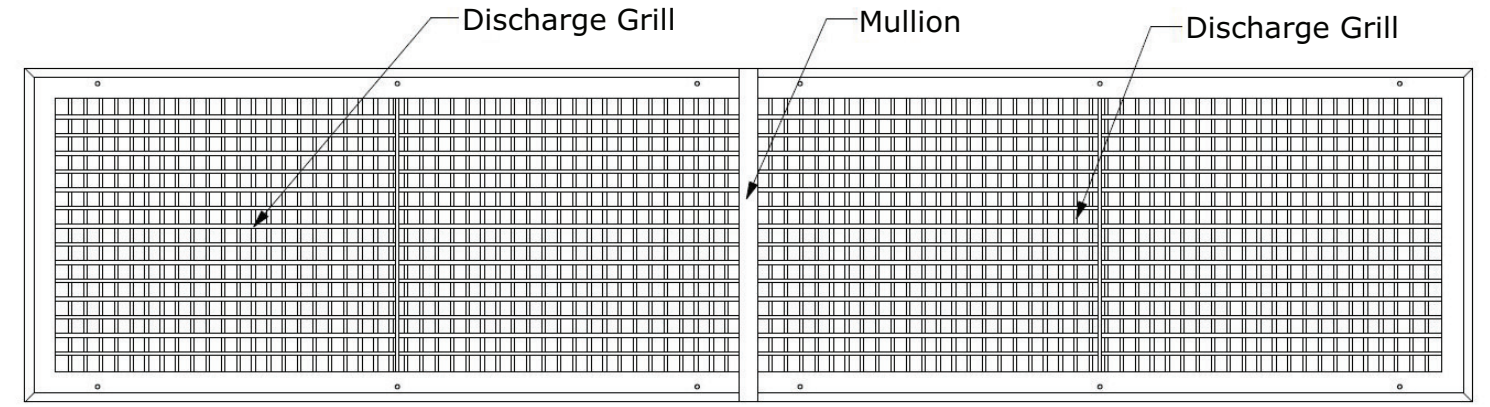
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Figure 3. Optional grille configuration - as shipped



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Figure 4. Optional grille configuration - front view



Trane and American Standard create comfortable, energy efficient indoor environments for commercial and residential applications. For more information, please visit trane.com or americanstandardair.com.

Trane and American Standard have a policy of continuous product and product data improvement and reserve the right to change design and specifications without notice. We are committed to using environmentally conscious print practices.

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