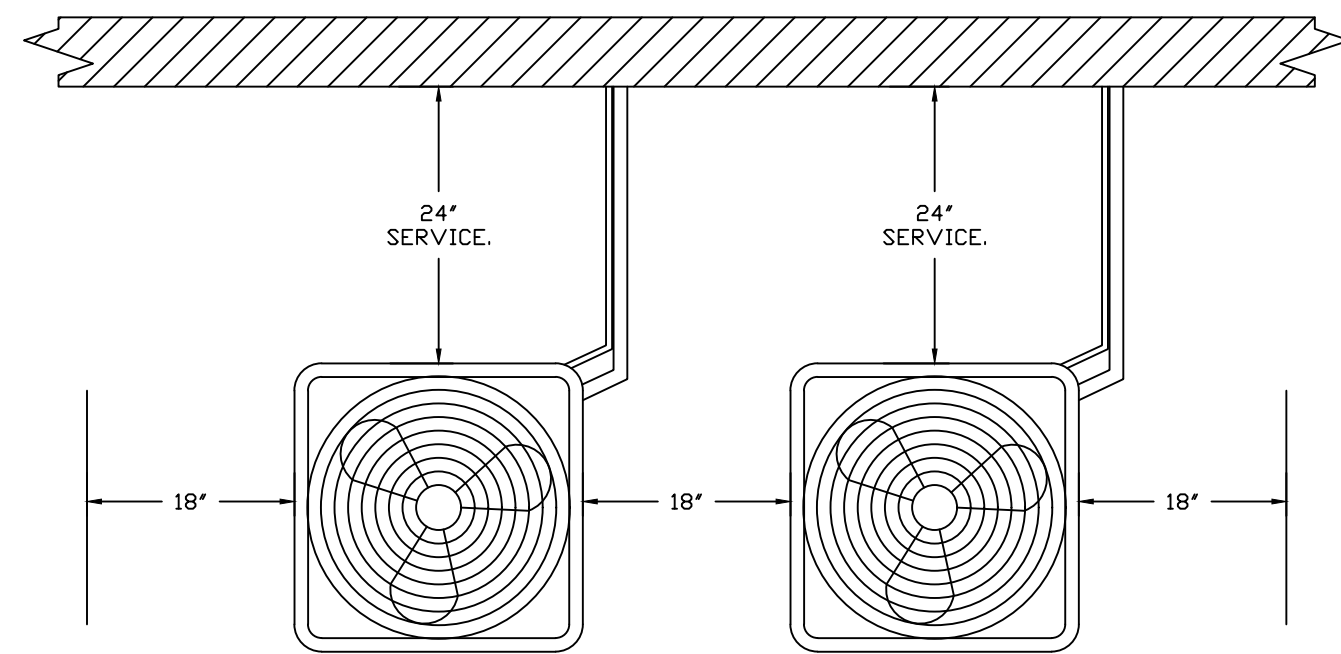


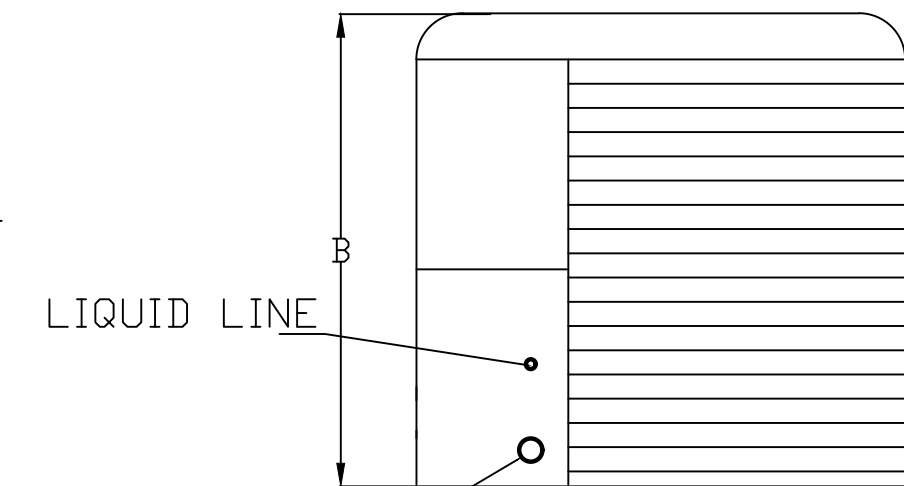
NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET ASMA C200 STANDARDS, A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN ASMA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANE. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/DIFFUSION IN THE DUCTWORK MAY CAUSE A SQUARE EFFECT. SQUARE EFFECT WILL INCREASE STATIC PRESSURE, INCREASE AIRFLOW AND NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 24" X 24".

WINTER TEMPERATURE = 20°F. TEMP. RISE = 100°F.  
BTUs CALCULATED OFF ACTUAL AIR DENSITY.  
OUTPUT BTUs AT ALTITUDE OF 0.0 FT. = 496644.  
INPUT BTUs AT ALTITUDE OF 0.0 FT. = 539830.

3002 DOW AVENUE, SUITE 410  
TUSTIN, CA 92780  
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48" CLEARANCE REQUIRED ABOVE CONDENSERS.  
(NOTE: \*\*CONDENSERS SHOWN HERE ARE NOT DRAWN AT SCALE).



MODEL	V-PH	RLA	MCA	FUSE SIZE
24ABB360	208/230-3	16.0	21.4	30

Refer to Plumbing Detail P-500 for  
AC Unit Condensate Drain

- 1) 1" DIAMETER PVC PIPE ONLY.
- 2) USE ONLY LOW PROFILE COUPLINGS.
- 3) ADD CLEAN OUT AS SHOWN.

DESCRIPTION: DIRECT FIRED BURNERS SHALL HAVE PATENTED (US PATENT NO. US6629523B2), SELF-ADJUSTING PROFILE. THE BURNERS ARE DESIGNED TO ENHANCE PROPER FLOW VELOCITY AND PRESSURE DROPS ACROSS THE BURNER. THE PROFILE PLATE SHALL BE ALLOWED BURNERS TO ACHIEVE CLEAN COMBUSTION BY LIMITING BY-PRODUCT LEVELS TO A MAXIMUM OF 50PPM OF CARBON MONOXIDE (CO), AND 0.5PPM OF NITROGEN DIOXIDE (NO2) DIRECT FIRED UNITS SHALL BE CONFIGURED WITH THE BLOWER MOUNTED DOWNSTREAM OF THE BURNER. THIS ARRANGEMENT WILL ENSURE A CONSISTENT AIRFLOW, REGARDLESS OF INLET AIR TEMPERATURE.

**APPLICATION:**  
SPRING-LOADED BURNER PROFILE PLATES ARE ENGINEERED TO AUTOMATICALLY REACT TO THE MOMENTUM OF A FLOW STREAM, WITHOUT THE NEED FOR ANY MOTORS OR ACTUATORS TO MECHANICALLY ADJUST THEM. WITH THIS FEATURE, ALL OF UNITS ARE DESIGNED FOR DEMAND CONTROL VENTILATION (DCV) REQUIREMENTS.

**CERTIFICATIONS:**  
ALL PROFILE PLATE ASSEMBLIES SHALL BE INCLUDED IN THE IFD UNITS' LIST AND LISTED AND COMPLIED WITH COMBUSTION ANALYST PERM AND CSA 37 (NON-RE-CIRCULATING OF HEATED) AND AMST 23019 (RE-CIRCULATING OF HEATED).

**GENERAL CONSTRUCTION**  
-PROFILE PLATES SHALL BE FORMED FROM G90 GALVANIZED STEEL.  
-PROFILE PLATES SHALL VARY IN SIZE PER UNIT.  
-PROFILE PLATES SHALL BE MOUNTED ALONG THE SAME PLANE AS THE DISCHARGE OF THE BURNER.  
-DESIGN SHALL INCORPORATE PROPERLY TYPED, PERMANENTLY MOUNTED SPRING HINGES.  
-SPRING HINGES SHALL MATE FROM 304 STAINLESS STEEL.

TRUE WARM & WELCOME 2300 R6

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