



March 6, 2014

The Revit product family for the Marley® AV cooling tower (“AV”) provides the basic geometry and typical pipe connections for each unit size of the product line. The product family is compatible with Revit version 2012 and later, and may be downloaded at <http://spxcooling.com/revit>

Inlet Connections

All model sizes of the AV have a single inlet connection per cell, located on the top deck along the centerline of the air inlet face (face D) and set back from face D a specified distance. The inlet connection for all AV models is a hole and bolt circle pattern sized to accept an 8” pipe flange.

Outlet Connections

Three types of outlet connections are included in this product family: side suction outlet (face D), bottom outlet, and end suction outlet (face A or C). Only one of the outlets should be connected; the others should be ignored or deleted. Outlet size defaults to a commonly used pipe diameter for the unit size selected. Actual outlet size may vary depending on the design flow rate and outlet location, and should be confirmed in the quotation.

Fan Type

AV models are available with a Standard Low Sound fan (A), a Quiet fan (L) or an Ultra Quiet fan (C). Standard Low Sound and Quiet fan models have the same overall tower dimensions, and share model names within the Revit family. Ultra Quiet Fan models require fan cylinder extensions and a louver platform, and are identified separately in the Revit family by a “C” suffix on applicable model names.

Optional Accessories

The following optional accessories are selectable parameters in the Structural category:

Louver Platform on Face D

Louver Platform is only available on the air inlet face. Other optional accessories may alter or prevent the use of this option and/or increase the size of the unit.

SPX COOLING TECHNOLOGIES, INC.
7401 WEST 129 STREET
OVERLAND PARK, KANSAS 66213
UNITED STATES

TEL | 913 | 664 | 7400
FAX | 913 | 664 | 7439

spxcooling.com



Multiple Cells

Multiple instances of the AV product family may be inserted into the Revit project for installations having multiple cells. Typically, multiple cells are oriented in the same direction and positioned such that the access doors on faces A and C of adjacent cells are facing each other.

Standard center-to-center cell spacings are listed by model size in the table below.

Center-to-Center Cell Spacing	
Unit Size	Standard
AV6100	103.5" (2616mm)
AV6200	145.5" (3696mm)
AV6300	103.5" (2616mm)
AV6400	103.5" (2616mm)
AV6500	121.5" (3086mm)
AV6600	145.5" (3696mm)
AV6700	145.5" (3696mm)

Clearances

The louver face platform option shows the required clearance for a safety cage on the platform ladder. Clearance near access doors should be provided to allow for safe entry and egress. Additionally, clearance must be provided at the air inlets and air discharge for adequate air flow. The clearance requirements vary by application, but the air inlet clearance can be approximated as the length of one cell, and the air discharge clearance should be at least three fan diameters. Also note that vertical enclosures around the cooling tower should not rise above the fan discharge, otherwise air recirculation may impact performance.

Terms of Use (the "Agreement")

The SPX Cooling Technologies, Inc. ("SPX Cooling") product information content provided in this data file (including its design and dimensions) ("Information") are furnished for information only and are not a replacement for a professional engineering review and evaluation of the situation. A professional engineer, licensed in the appropriate field of engineering, should always conduct the final evaluation of the application; and that individual, not SPX Cooling or its employees and representatives, is responsible for the final engineering design and performance of the application at hand.

By making this Information available, SPX Cooling is not rendering professional services, and assumes no duty, responsibility or liability with respect to any person making use of such Information, including any modifications made by the user, for the design of buildings and related systems made using such Information, or for the accuracy of such Information or any data resulting from the use thereof. This Information is supplied "as is," and SPX Cooling shall not be liable for any claim, demand, injury, loss, expense, or liability of any kind whatsoever, including but not limited to, direct, indirect, incidental or consequential damages, which in any way arises out of or is connected with the use of the Information, whether or not such claim demand, loss, expense, or liability results



directly or indirectly from any action or omission of SPX Cooling or its employees and representatives resulting from the use of this information.

SPX Cooling does not make any warranty or guarantee whatsoever, whether express or implied, and including but not limited to, any warranty of merchantability or fitness for a particular purpose, or make any representations regarding the use, or the results of use, of the Information in terms of its accuracy, validity, completeness, applicability, or compliance with any regulatory code or governmental laws and regulations. Use of the Information involves some risks, and the entire risk as to the results and performance of the Information is the user's responsibility and liability.

SPX Cooling retains title to and ownership of all Information and all copies thereof and all other rights and interest, including, without limitation, patents, copyrights, trademarks, trade secrets, and other intellectual property rights, in and to the Information and any copies thereof. By accepting or using this Information, the user agrees to not use this Information except as expressly set forth herein and user agrees to not use this Information to represent the products of any manufacturers other than SPX Cooling, its parent companies or subsidiaries.

Except as expressly provided in these Terms of Use, no part of the Information may be copied, reproduced, republished, uploaded, posted, publicly displayed, encoded, translated, transmitted or distributed in any way to any other computer, server, Web site or other medium for publication or distribution or for any commercial enterprise, without SPX Cooling's express prior written consent.

You may use the Information purposely made available by SPX Cooling for downloading, provided that you (1) not remove any proprietary notice language in all copies of such documents, (2) use such information only for your internal business use, and (3) not make any additional representations or warranties relating to such Information.

This Agreement and any disputes arising out of or in connection with this Agreement shall be governed by the laws of the State of Kansas, U.S.A., without any reference to conflict-of-laws principles.

SPX Cooling's products are subject to continuous improvements. SPX Cooling reserves the right to modify product design, specifications and data without notice and without incurring any obligations.