

MD cooling tower

engineering data
and specifications

Model #: MD5008QAF2BCMF
Serial#: 10164648-A2

Year: 2018
Size: 255 Tons



Shipping Weight: 4,352 lbs.
Operating Weight: 7,326 lbs.

L: 9' 0"
W: 8' 6"
H: 14' 1"

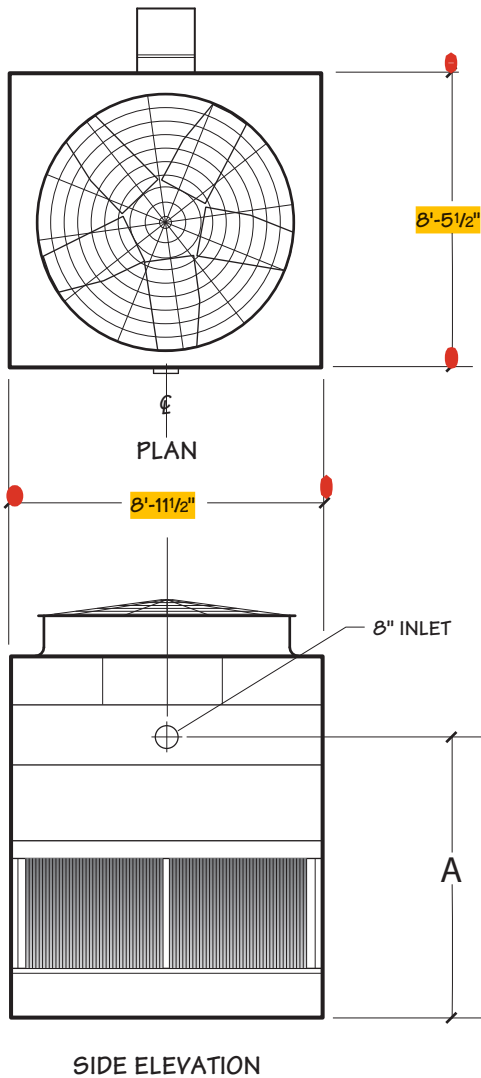
MD5008

8.5' x 9' Nominal Cell Size

Use this data for preliminary layouts only. Obtain current drawing from your Marley sales representative.

UPDATE™ web-based selection software, available at spxcooling.com/update provides MD model recommendations based on customer's specific design requirements.

DESCRIPTION — MODEL SUFFIX	LAYOUT CONFIGURATION
SINGLE CELL — 1L	
TWO OR MORE INLINE CELLS — 2L+	
TWO CELLS BACK-TO-BACK — 2B	



Single cell arrangement shown. Multicell inline standard spacing 2.5". Multicell back-to-back standard spacing 4". Water inlet location can be on either face except motor face.

MD5008

8.5' x 9' Nominal Cell Size

Table Data Per Cell

Model note 2	Nominal Tons note 3	Motor hp	Dimensions		Design Operating Weight lb	Shipping Weight lb	
			H note 4	A		Weight/Cell	Heaviest Section
MD5008KLC1L	149	5	10'-9 ¹ / ₁₆ "	7'-1 ¹ / ₈ "	6726	3752	1965
MD5008MAC1L	165	7.5					
MD5008NAC1L	179	10					
MD5008PAC1L	202	15					
MD5008QAC1L	216	20					
MD5008KLD1L	161	5	11'-9 ¹ / ₁₆ "	8'-1 ¹ / ₈ "	7003	4029	2064
MD5008MAD1L	180	7.5					
MD5008NAD1L	197	10					
MD5008PAD1L	223	15					
MD5008QAD1L	239	20					
MD5008KLF1L	166	5	12'-9 ¹ / ₁₆ "	9'-1 ¹ / ₈ "	7280	4306	2341
MD5008MAF1L	189	7.5					
MD5008NAF1L	207	10					
MD5008PAF1L	234	15					
MD5008QAF1L	255	20					

Standard Layout Configuration Adds Per Cell

Description	Model Suffix note 2	Dimensions		Design Operating Weight lb	Shipping Weight lb
		H note 4	A		Weight/Cell
SINGLE CELL	1L	–	–	–	–
TWO OR MORE INLINE CELLS	2L +	9 ¹ / ₈ "	9 ¹ / ₈ "	46	46
TWO CELLS BACK-TO-BACK	2B	9¹/₈"	9¹/₈"	46	46

NOTE

- 1 **Use this bulletin for preliminary layouts only.** Obtain current drawings from your Marley sales representative. All table data is per cell.
- 2 Last two characters of the model number indicate number of cells and cell configuration.
- 3 Nominal tons are based upon 95°F HW, 85°F CW, 78°F WB and 3 gpm/ton. The Marley **UPDATE** web-based selection software provides MD model recommendations based on specific design requirements.
- 4 **Models with an Ultra Quiet Fan option require a taller fan cylinder, add 1'-11¹/₂" to this dimension for correct height.**

Specifications	Specification Value
<p><u>11.0</u> Cold Water Collection Basin:</p>	
<p><u>11.1</u> The collection basin shall be heavy-gauge galvanized steel and shall include the number and type of suction connections required to accommodate the out-flow piping system shown on the plans. Suction connections shall be equipped with debris screens. A factory installed, float operated, mechanical make-up valve shall be included. An overflow and drain connection shall be provided in each cell of the tower. The basin floor shall slope toward the drain to allow complete flush out of debris and silt which may accumulate. Towers of more than one cell shall include steel flumes for flow and equalization between cells.</p>	
<p><u>13.0</u> Warranty:</p>	
<p><u>13.1</u> The MD cooling tower shall be free from defects in materials and workmanship for a period of eighteen (18) months from the date of shipment.</p>	<ul style="list-style-type: none"> ■ The MD tower design offers side-suction as standard. Bottom outlets may be supplied to accommodate a variety of piping schemes. Unless so specified, the tower you may be asked to approve may only be available with one type of suction connection requiring you to redesign your piping layout. <p>The sloping floor and low-level drain is valuable because it provides a way to achieve flush-out cleanability.</p>