

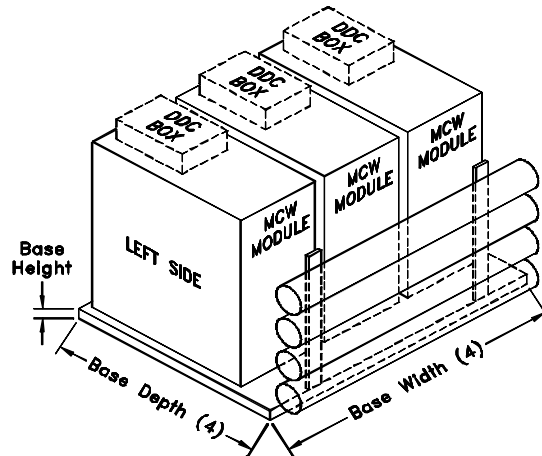
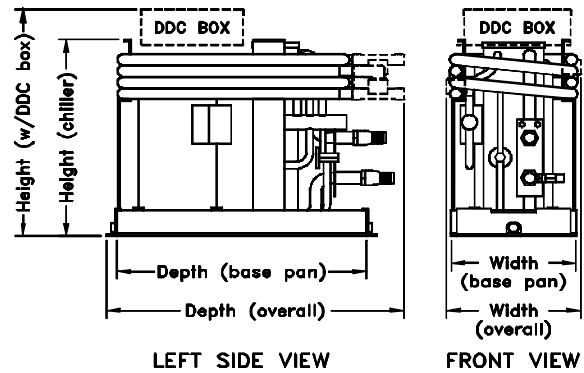
MCW Chiller Physical Specifications

Taylor Made Environmental - Marine Air Systems

MODULES	Tons	Height (module)	Height (w/DDC box)	Depth (1) (base pan)	Depth (2) (overall)	Width (base pan)	Width (overall)	Water Connect		Est. Net Weight	Est. Gross Weight
								Circ.	Sea		
MCW24	2	22.50/57.2	22.50/57.2	24.00/61.0	26.00/66.1	12.00/30.5	12.50/31.8	1.0"	1.0"	107/49	194/88
MCW36R	3	22.75/57.8	26.00/66.1	24.00/61.0	26.00/66.1	12.00/30.5	12.50/31.8	1.0"	1.0"	135/61	222/101
MCW36S	3	22.50/57.2	23.50/59.7	24.00/61.0	26.00/66.1	12.00/30.5	12.50/31.8	1.0"	1.0"	107/49	194/88
MCW48R	4	22.75/57.6	26.00/66.1	24.00/61.0	28.50/72.4	12.00/30.5	13.00/33.0	1.0"	1.0"	159/72	246/112
MCW48S 60Hz	4	22.50/57.2	23.75/60.3	24.00/61.0	29.75/75.6	12.00/30.5	13.00/33.0	1.0"	1.0"	154/70	241/109
MCW48S 50Hz	4	23.63/60.0	24.38/61.9	24.00/61.0	29.75/75.6	12.00/30.5	13.00/33.0	1.0"	1.0"	154/70	241/109
MCW60R	5	26.44/67.2	29.69/75.4	24.00/61.0	29.00/73.7	12.00/30.5	13.00/33.0	1.0"	1.0"	173/78	260/118
MCW60S 1Ph	5	23.63/60.0	26.88/68.3	24.00/61.0	28.75/73.0	12.00/30.5	13.00/33.0	1.0"	1.0"	176/80	263/119
MCW60S 3Ph	5	22.50/57.2	25.75/65.4	24.00/61.0	28.75/73.0	12.00/30.5	13.00/33.0	1.0"	1.0"	176/80	263/119
MCW72S 60Hz	6	22.50/57.2	25.75/65.4	24.00/61.0	28.75/73.0	12.00/30.5	13.00/33.0	1.0"	1.0"	180/82	267/121
MCW72S 50Hz	6	24.50/62.2	28.50/72.4	24.00/61.0	34.00/86.4	16.00/40.6	17.50/44.5	1.0"	1.0"	265/120	365/166
MCW90S	7.5	28.00/71.1	31.55/80.1	24.00/61.0	28.50/72.4	16.00/40.6	18.00/45.7	1.5"	1.5"	310/141	410/186
MCW120S	10	34.25/87.0	38.55/97.9	24.00/61.0	28.50/72.4	16.00/40.6	18.00/45.7	1.5"	1.5"	390/177	500/227
MCW150S	12.5	46.24/117.5	Box Remote	26.75/67.9	31.88/81.0	18.63/47.3	19.50/49.5	1.5"	2.0"	425/193	545/247
MCW180S	15	49.20/125.0	Box Remote	26.75/67.9	31.88/81.0	18.63/47.3	19.50/49.5	2.0"	2.0"	475/215	600/272

BASES	Height (3)	Depth (4)	Width (4)
2-6 ton modules (5)			
2 stages	1.50/3.8	31.00/78.7	28.00/71.1
3 stages	1.50/3.8	31.00/78.7	41.50/105.4
4 stages	1.50/3.8	31.00/78.7	55.50/141.0
5 stages	1.50/3.8	31.00/78.7	69.50/176.5
7.5-10 ton modules			
2 stages	3.00/7.6	35.50/90.2	36.00/91.4
3 stages	3.00/7.6	35.50/90.2	53.50/135.9
4 stages	3.00/7.6	35.50/90.2	71.50/181.6
5 stages	3.00/7.6	35.50/90.2	88.50/224.8
12.5-15 ton modules			
2 stages	4.00/10.2	41.75/106.0	39.25/99.7
3 stages	4.00/10.2	41.75/106.0	59.88/152.1
4 stages	4.00/10.2	41.75/106.0	80.50/204.5
5 stages	4.00/10.2	41.75/106.0	101.13/256.9

ELECTRIC BOXES (6) (REMOTE MOUNTED)	Width	Height (7)	Depth
DDC 2-6 ton (1 per stage)	9.80/24.9	11.00/27.9	3.70/9.4
DDC 7.5-10 ton (1 per stg)	12.00/30.5	13.30/33.8	4.30/10.9
DDC 12.5-15 ton	Dimensions TBD		
CWMC-OTS			
Standard "Off the Shelf"	12.00/30.5	14.00/35.6	4.63/11.7
OTS with 1 extra pump	15.00/38.1	11.00/27.9	4.63/11.7
CWMC w/DDC			
2 stages	22.00/55.9	24.00/61.0	7.75/19.9
3 stages (8)	22.00/55.9	24.00/61.0	7.75/19.9
4 stages	30.00/76.2	24.00/61.0	7.75/19.9
5 stages	35.00/88.9	24.00/61.0	7.75/19.9
Hydromatic (9)			
2 stages & 3 stages 3ph	24.00/61.0	22.00/55.9	6.75/17.1
3 stages 1ph & 4 stages	30.00/76.2	22.00/55.9	6.75/17.1
5 stages	30.00/76.2	24.00/61.0	6.75/17.1
5 stages I.P.	34.00/86.4	24.00/61.0	6.75/17.1



NOTES:

- Verify all critical dimensions with TME. All dimensions are given in inches/cm and all estimated weights are in pounds/kg. Dimensions of frames and bases are +/- 1/4"/0.65cm. Dimensions of modules and manifolds are +/- 1/2"/1.3cm.
- (1) For 2-10 ton modules, add 1.0"/2.5cm to both front and back for mounting brackets (12.5-15 ton mounting brackets TBD).
- (2) Overall depth includes mounting bracket in back (for 2-10 ton modules) and condenser tees in front (see diagram).
- (3) Add module height and base height for overall height of a multi-staged chiller mounted on a base.
- (4) Manifolds may extend up to 5.0"/12.7cm in front of and up to 7.0"/17.8cm to the side of base (see diagram).
- (5) Use base dimensions of 7.5 ton modules for MCW 6 ton at 50Hz.
- (6) Electric box sizes shown are for typical chillers, multiple stages of electric heat or additional pumps may increase box size.
- (7) Add 1.0"/2.5cm to top & bottom for mounting tabs, also allow a minimum clearance of 4.0"/10.2cm on bottom for harnesses.
- (8) If a three stage chiller has electric heat and/or 3-4 pumps, then use the four stage electric box size.
- (9) If using frequency drives, specify the next size smaller box. If box is immersion protected (I.P.), specify the next size up.

In the interest of product improvement, TME's specifications and design as outlined herein are subject to change without prior notice.