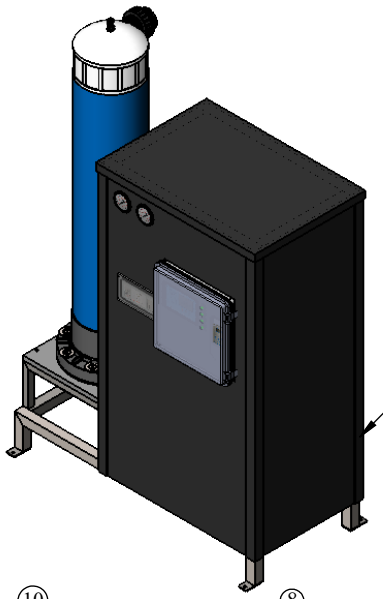
MT-9-WC65V WATER COOLED CHILLER



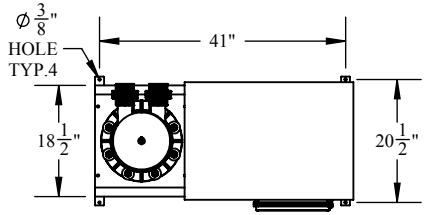
NO.	NAME
1	EVAPORATOR-TITANIUM TUBE / 8" SCH 40 PVC SHELL
2	TEMPERATURE CONTROLLER / NEMA 4X ELECTRICAL CONTROL BOX
3	JUNCTION BOX FOR SUPPLY POWER
4	WATER FLOW SWITCH (SEE NOTE FOR INSTALLATION)
5	2" NPS SLIP UNION EVAPORATOR WATER INLET
6	2" NPS SLIP UNION EVAPORATOR WATER OUTLET
7	LOW / HI REFRIGERANT PRESSURE SAFETY CUTOUT
8	CONDENSER WATER OUTLET
9	CONDENSER WATER INLET
10	CONDENSER WATER CLEAN OUT OUTLET
11	CONDENSER WATER CLEAN OUT INLET
12	REFRIGERANT PRESSURE GAUGES

CONDENSER WATER FLOW @TEMPERATURE @ PRESSURE DROP @ 95°F LWT			WATER CONNECTION I / O SIZE
EWT (°F)	GPM	PD	(FPT)
40	4	3	1/2"
45	4.4	3	1/2"
50	4.9	3	1/2"
55	5.6	6	1/2"
60	6.4	4	1/2"
65	7.4	4	3/4"
70	8.9	5	3/4"
75	11.1	3	3/4"
80	14.9	4	3/4"
85	22.3	5	1"

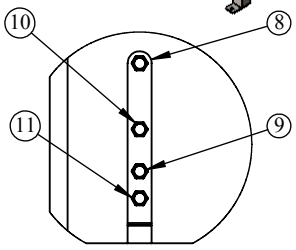
EWT = ENTERING WATER TEMPERATURE.
LWT = LEAVING WATER TEMPERATURE.
PD = WATER PREASSURE DROP.

-CONDENSER WATER TEMPERATURES VS. FLOW RATE ARE APROXIMATE AND MAY VARY FROM THE CHART.
-GRAY AREA IS OUT OF THE NORMAL RANGE CONTACT AQUA LOGIC.

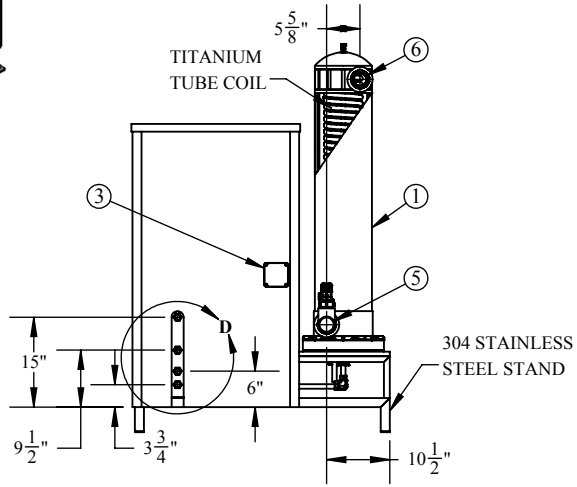
Do not use this info contact Aqua Logic



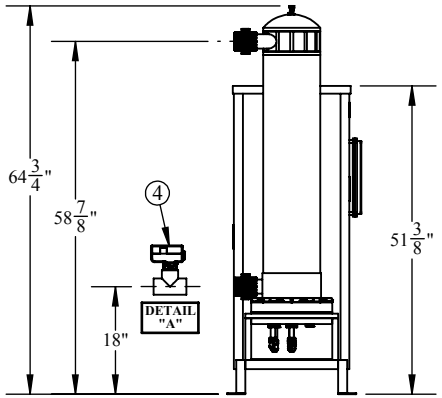
PLAN VIEW



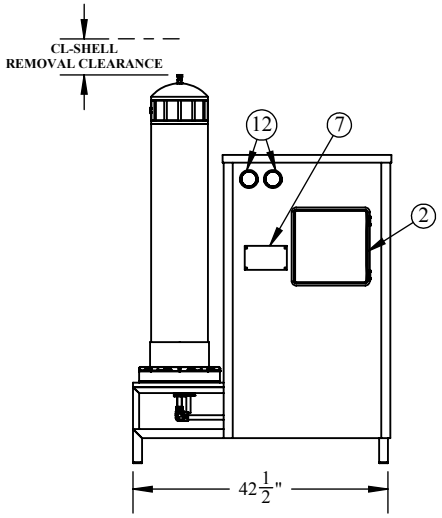
DETAIL B



BACK



LEFT

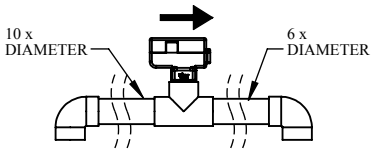


FRONT

OPTIONS:
- SCH 80 PVC SHELL CONSTRUCTION.
- 316 STAINLESS STEEL STAND AND HEX BOLTS.

WATER-COOLED HEAT PUMP									
MODEL NO.	NOMINAL TON / BTUH	EER	VOLTS / PHASE / HZ.	R-410A REFRIGERANT CHARGE LBS/OZ	AMPERAGE RLA / LRA	MCA	MAX FUSE / BRK SIZE	EVAPORATOR WATER FLOW MIN/MAX (GPM)	DRY WEIGHT (LBS.)
MT-9-WC65V	7.5 / 90,000	18.5	208-240 / 3 / 60	4 / 12	17 / 164	39	40	60 / 80	350
MT-9-460-WC65V	7.5 / 90,000	18.5	460 / 3 / 60	4 / 12	8 / 100	19	25	60 / 80	350

NOTES:
- WHEN THE CHILLER IS IN THE OFF CYCLE,WATER FLOWING THROUGH THE CONDENSER IS STOPPED.
- WATER FLOW RATE THROUGH THE EVAPORATOR NEEDS TO BE AT THE MAXIMUM FLOW RATE WHEN WATER TEMPERATURE IS 55°F AND BELOW.
- CONDENSER FLOW RATE IS BASED ON A MINIMUM OF 55°F AND MAXIMUM OF 75°F WATER TEMPERATURE. IF OPERATING OUTSIDE THESE PARAMETERS CONTACT AQUA LOGIC TECHNICAL SUPPORT.
- ALL DIMENSIONS ARE APPROXIMATE AND CAN CHANGE AT ANY TIME.



**** IMPORTANT!**
-DETAIL "A"
-FLOW SWITCH MUST BE FIELD INSTALLED VERTICALY ON A HORIZONTAL STRAIGHT PIPE WITH NO LESS THAN 10 TIMES THE PIPE DIAMETER ON THE INLET SIDE AND NO LESS THAN 6 TIMES THE DIAMETER ON THE OUTLET SIDE.

aqua LOGIC
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DRAWING #	SHEET TITLE
	MT-9-WC65V SPECIFICATIONS

DESCRIPTION				
MT-9-WC65V WATER COOLED CHILLER, VERTICAL MOUNT.				
DRAWN BY	DATE	REVISION	SCALE	SHEET #
	11/7/2016	05/01/23		1 OF 1