



CHILLWATER FAN COIL AQOCW

FEATURES

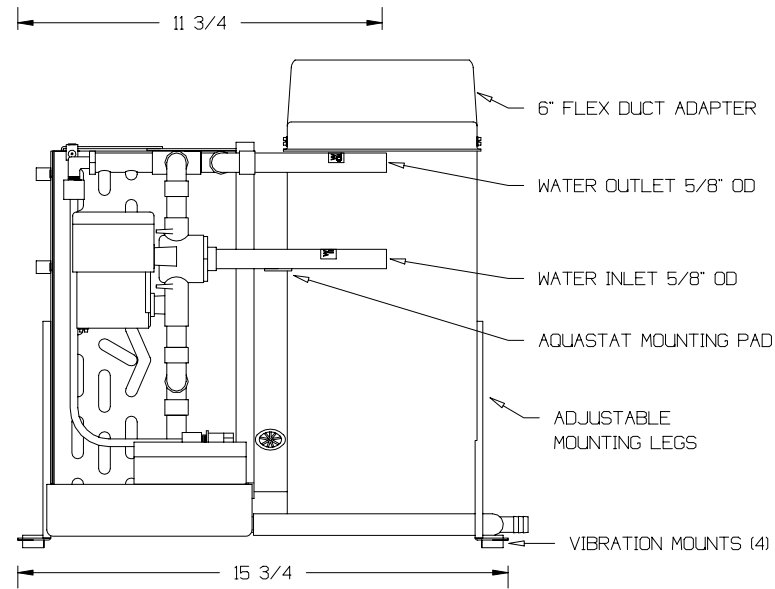
- High capacity squirrel cage blower is designed for quiet operation with flexible duct systems.
- Flexible duct connector installed on the unit. This connector also adapts to Aqua-Air AT series adapter duct tees.
- Three way motorized water valve is pre-installed on the unit. A separate valve assembly is not necessary.
- Dual condensate outlets on the drain pan are factory connected into a common 1/2" hose barb tee for ease of installation.
- Vertically adjustable mounting legs with rubber vibration pads and mounting screws.
- The air bleeder is mounted on the end of a 12" plastic tube for easy access during commissioning of the system.
- All surfaces that might have condensate form on them are covered in 1/8" thick foam insulation.
- Units available for 115/1/60, 100/1/50, 208-230/1/60 and 200-220/1/50 power inputs.
- Aqua-Air BH series blower heaters bolt directly to the discharge of the blower.

SPECIFICATIONS	AQOCW-12	AQOCW-16	AQOCW-18
COOLING CAPACITY	12,000 BTU/HR 3,024 KCAL/HR	16,000 BTU/HR 4,032 KCAL/HR	18,000 BTU/HR 4,536 KCAL/HR
AIR FLOW CAPACITY	400 CFM 680 M³H	530 CFM 900 M³H	600 CFM 1019 M³H
WEIGHT	32 LBS 14.5 KGS	32 LBS 14.5 KGS	33 LBS 15 KGS
AMPERAGE DRAW	2.7 @ 115-1-60 1.4 @ 230-1-60	4.0 @ 115-1-60 2.0 @ 230-1-60	4.0 @ 230-1-60
POWER CONSUMPTION	311 W	460 W	920 W
MINIMUM RETURN AIR GRILLE SIZE	120 in² 774 cm²	144 in² 929 cm²	156 in² 1006 cm²
MINIMUM SUPPLY AIR GRILLE SIZE	60 in² 387 cm²	72 in² 465 cm²	78 in² 503 cm²
FLEX DUCT CONNECTOR	6"	6"	7"
CHILLWATER INLET / OUTLET SIZE	5/8" OD 16 mm OD	5/8" OD 16 mm OD	5/8" OD 16 mm OD
MAXIMUM DUCT HEATER	2 Kw	3Kw	3Kw

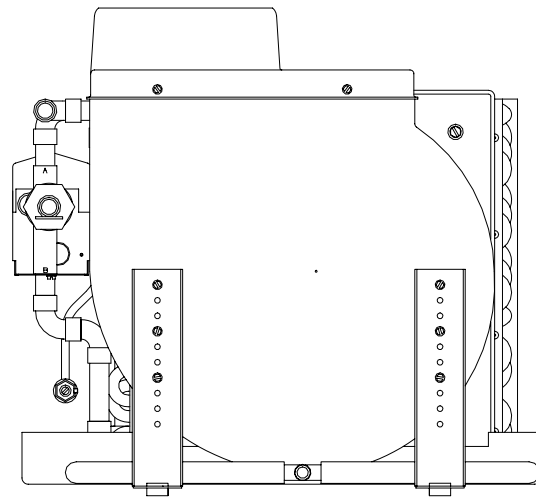
ADD "C" TO THE END OF THE MODEL NUMBER FOR A 208-230/1/60 UNIT, "CK" FOR A 200-220/1/50 UNIT
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AQUA-AIR MANUFACTURING, division of the James D. Nall Co., Inc.
1050 East 9th Street, Hialeah, Florida 33010 U.S.A.
Ph. 305-884-8363 Fax 305-883-8549 Email sales@aquair.com

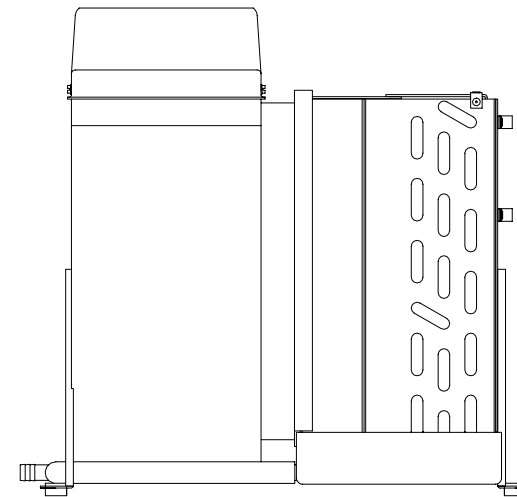
REVISION BLOCK			
REV.	DESCRIPTION	REV. BY	DATE
B	MODIFIED DRAIN PAN	LES	09-19-96



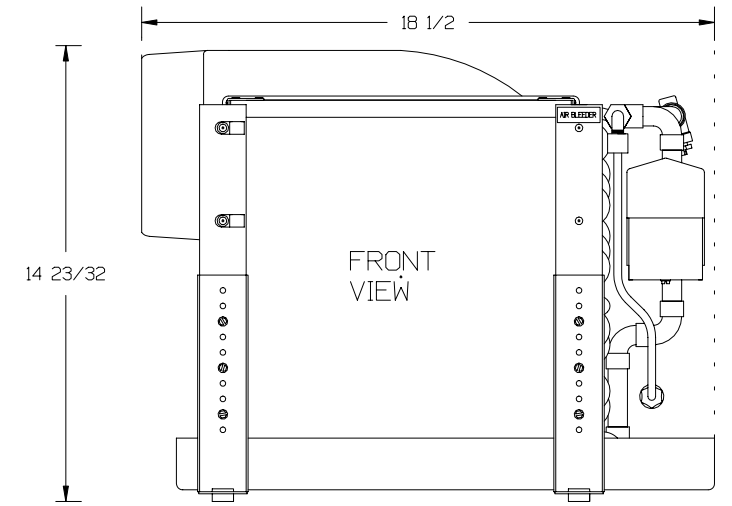
LEFT VIEW



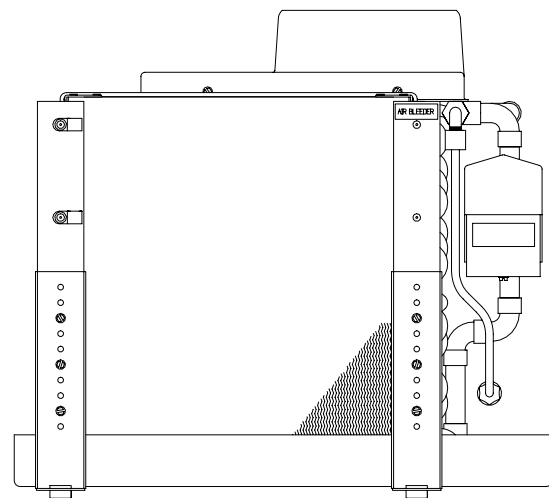
REAR VIEW



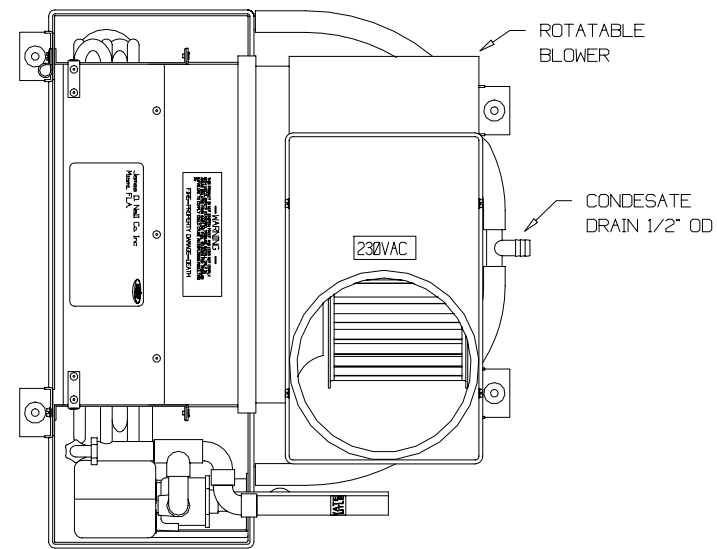
RIGHT VIEW



AQOCW-12.16 HORIZONTAL DISCHARGE BLOWER ROTATED 90°

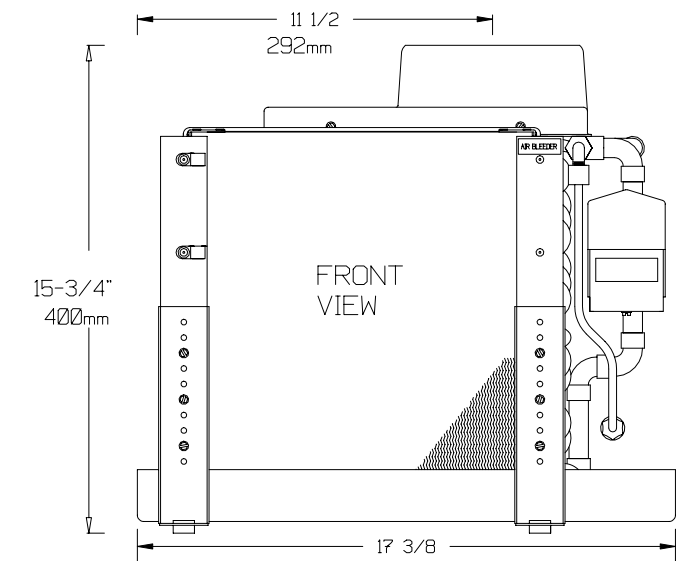


FRONT VIEW



TOP VIEW

SPECIFICATION		AQOCW-12	AQOCW-16
CAPACITY	BTU/HR KCAL/HR	12,000 3,024	16,000 4,032
AIR CAPACITY	CFM CMH	400 680	533 906
WEIGHT	LBS KGS	32 14.5	32 14.5
AMPERAGE DRAW	115V 230V	2.7 1.4	4.0 2.0
POWER CONSUMPTION		311	311
MIN. RETURN AIR SIZE	SQ.IN. SQ.MM.	120 774	144 929
MIN. SUPPLY AIR SIZE	SQ.IN. SQ.MM.	60 387	72 465



AQOCW-12.16 VERTICAL DISCHARGE

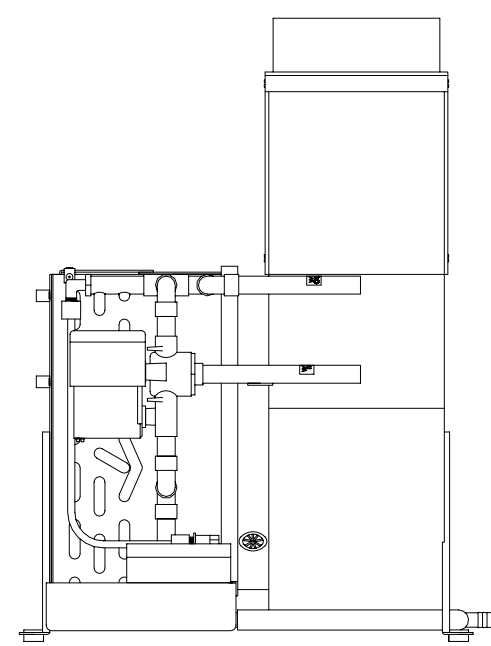


AQUA-AIR MARINE AIR CONDITIONING SYSTEM

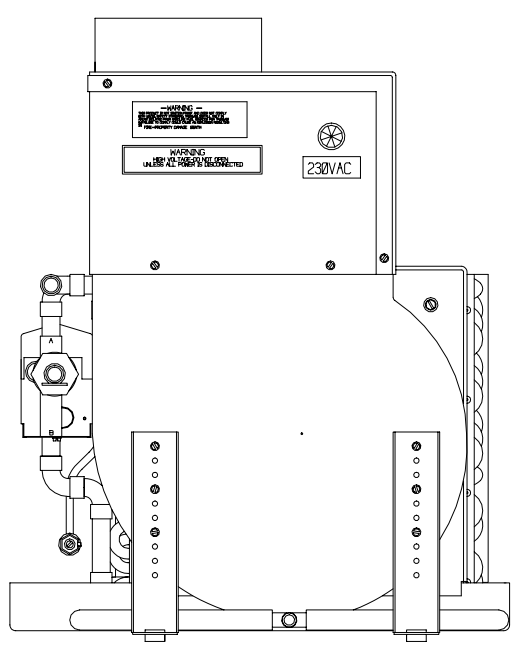
AQOCW - 12 & 16
 FAN COIL UNITS WITHOUT B. HEATER

DRAWING NUMBER	AQOCW	DRAWN BY	LES	DATE	10-04-95
SCALE	NONE	APPROVED BY		REVISION DATE	
					REV B

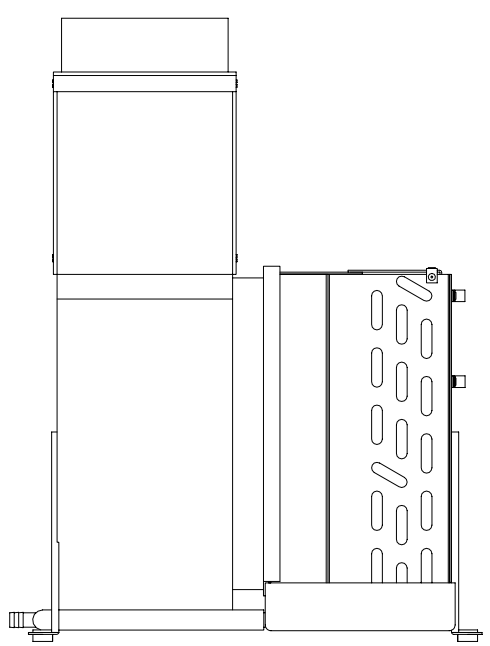
REVISION BLOCK			
REV.	DESCRIPTION	REV. BY	DATE
B	MODIFIED DRAIN PAN	LES	09-19-96



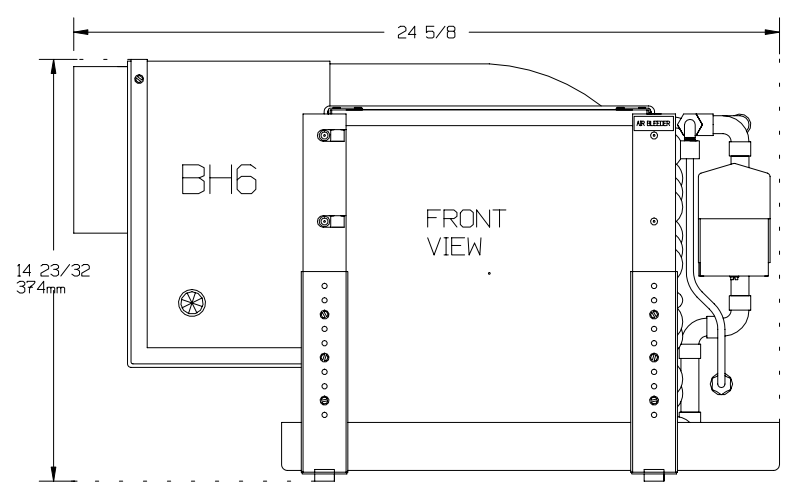
LEFT VIEW



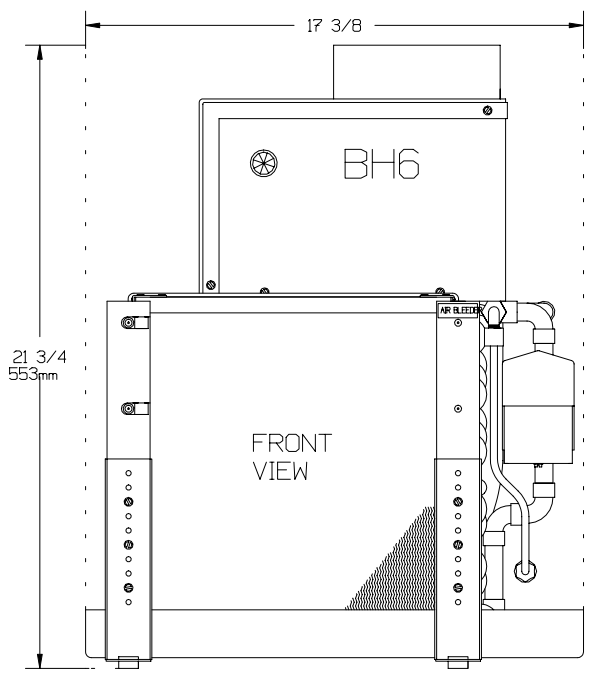
REAR VIEW



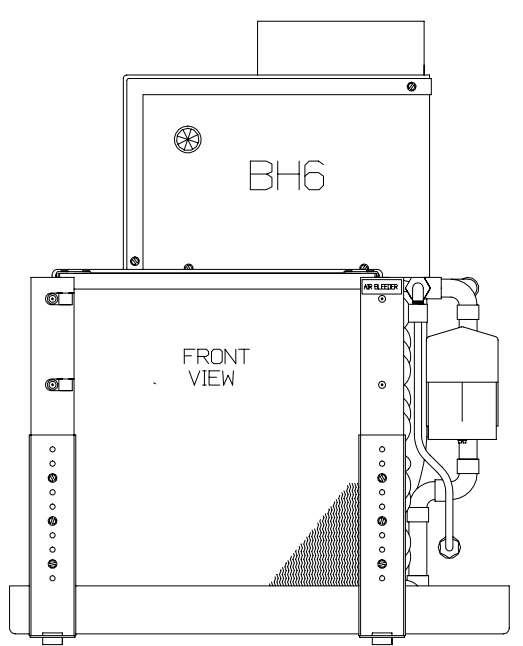
RIGHT VIEW



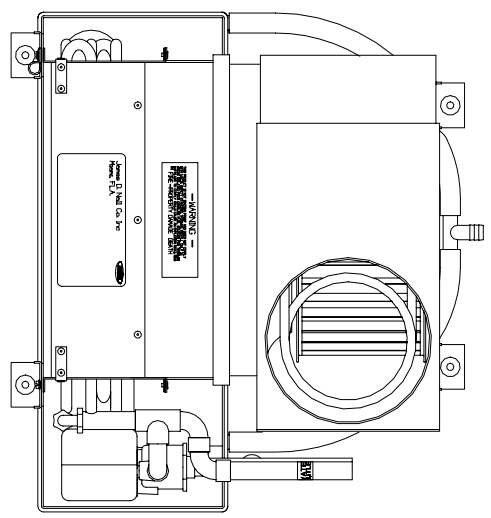
AQOCW-12.16 WITH BH6 BLOWER HEATER BLOWER ROTATED 90 HORIZONTAL DISCHARGE



AQOCW-12.16 WITH BH6 SERIES BLOWER HEATER VERTICAL DISCHARGE



FRONT VIEW



TOP VIEW

SPECIFICATION		AQOCW-12	AQOCW-16
CAPACITY	BTU/HR KCAL/HR	12,000 3,024	16,000 4,032
AIR CAPACITY	CFM CMH	400 680	533 906
WEIGHT	LBS KGS	32 14.5	32 14.5
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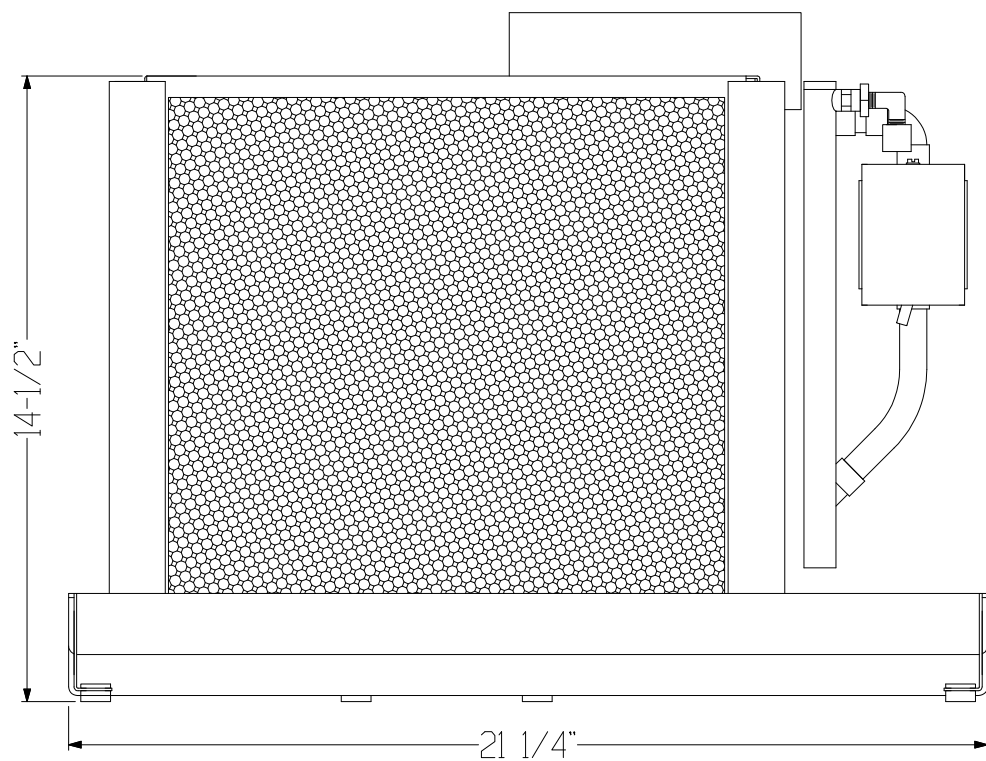
AQUA-AIR MARINE AIR CONDITIONING SYSTEM

AQOCW - 12 & 16
FAN COIL UNITS WITH BLOWER HEATER

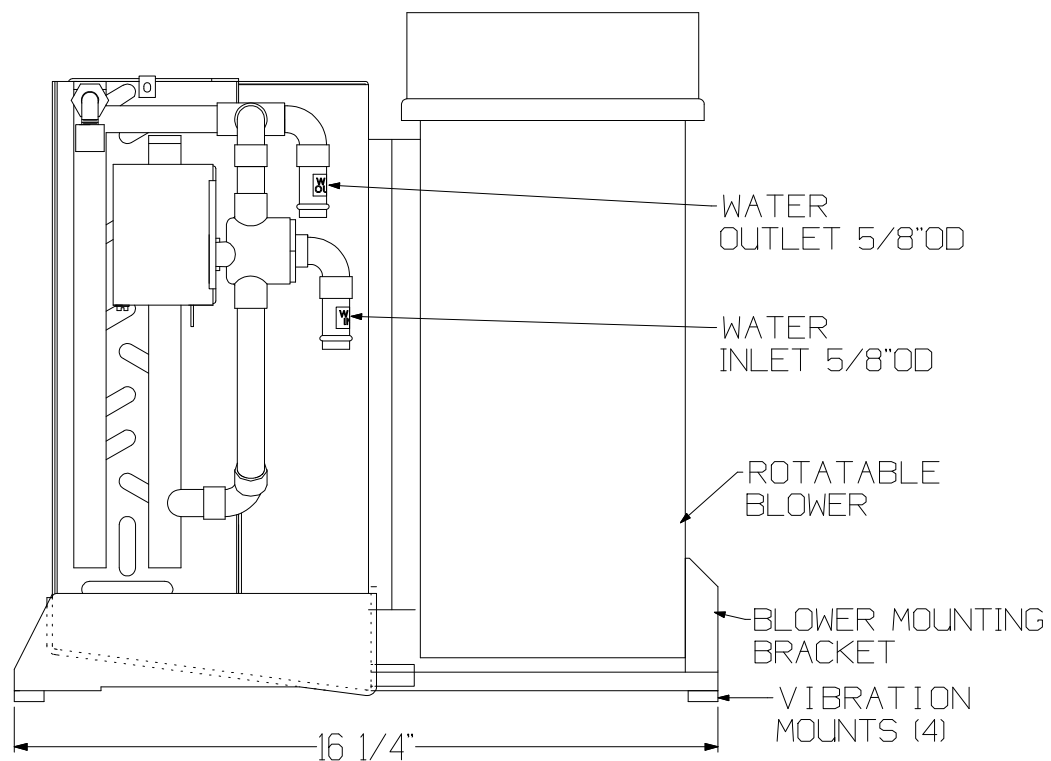
DRAWING NUMBER	AQOCW-BH	DRAWN BY	LES	DATE	10-03-96
SCALE	NONE	APPROVED BY		REVISION DATE	

REV B

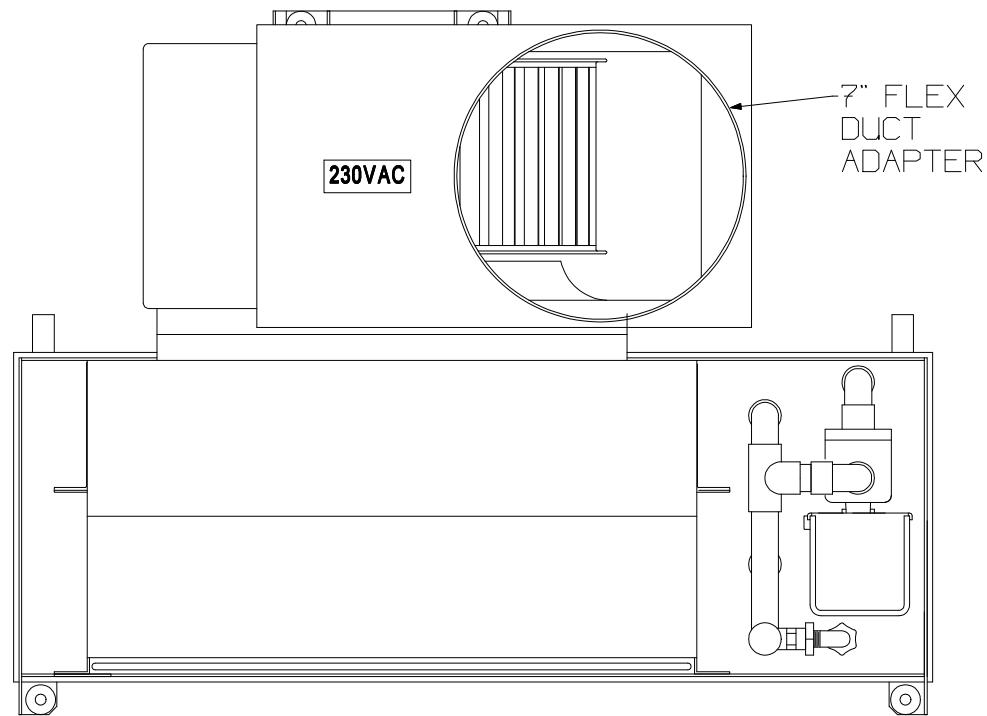
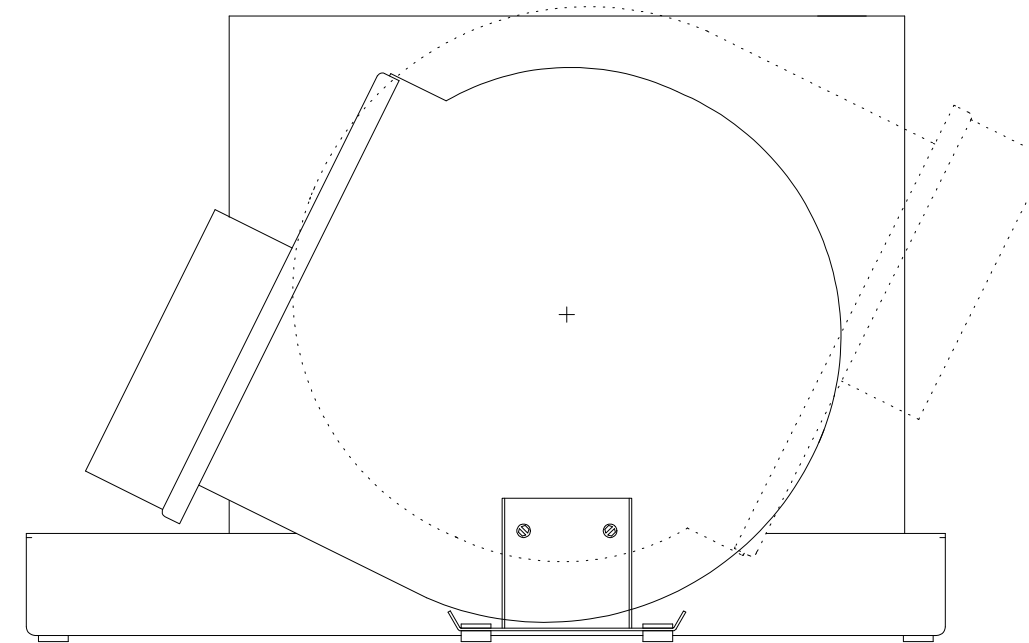
FRONT VIEW



RIGHT VIEW



REAR VIEW SHOWING LEFT AND RIGHT DISCHARGE

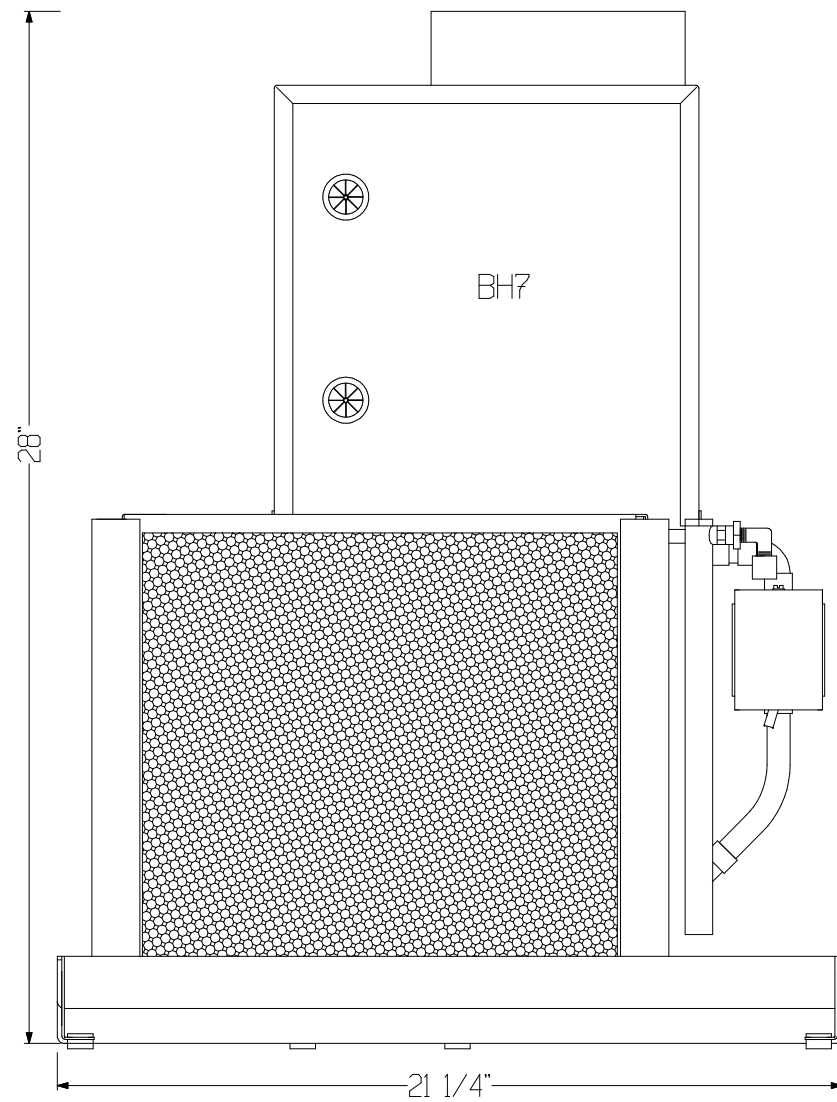


TOP VIEW

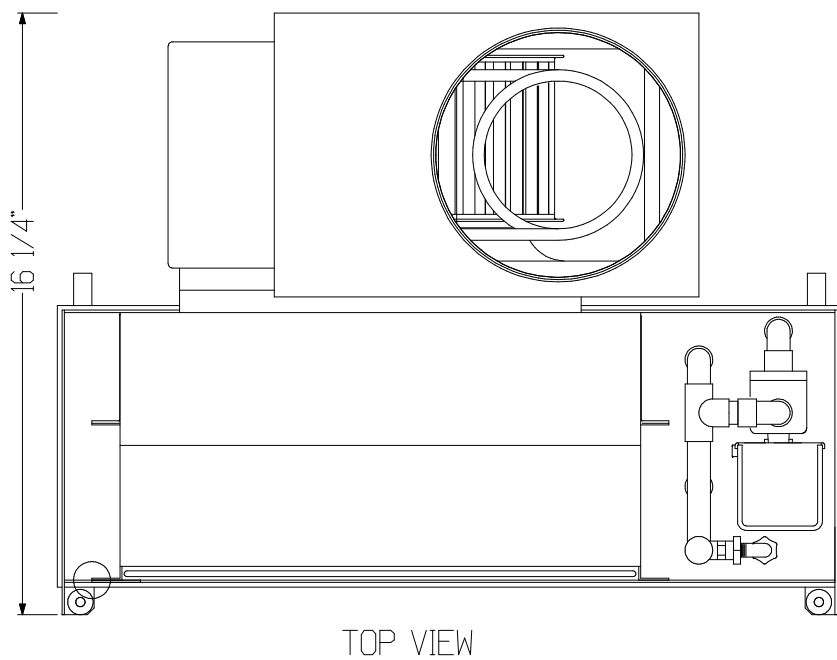
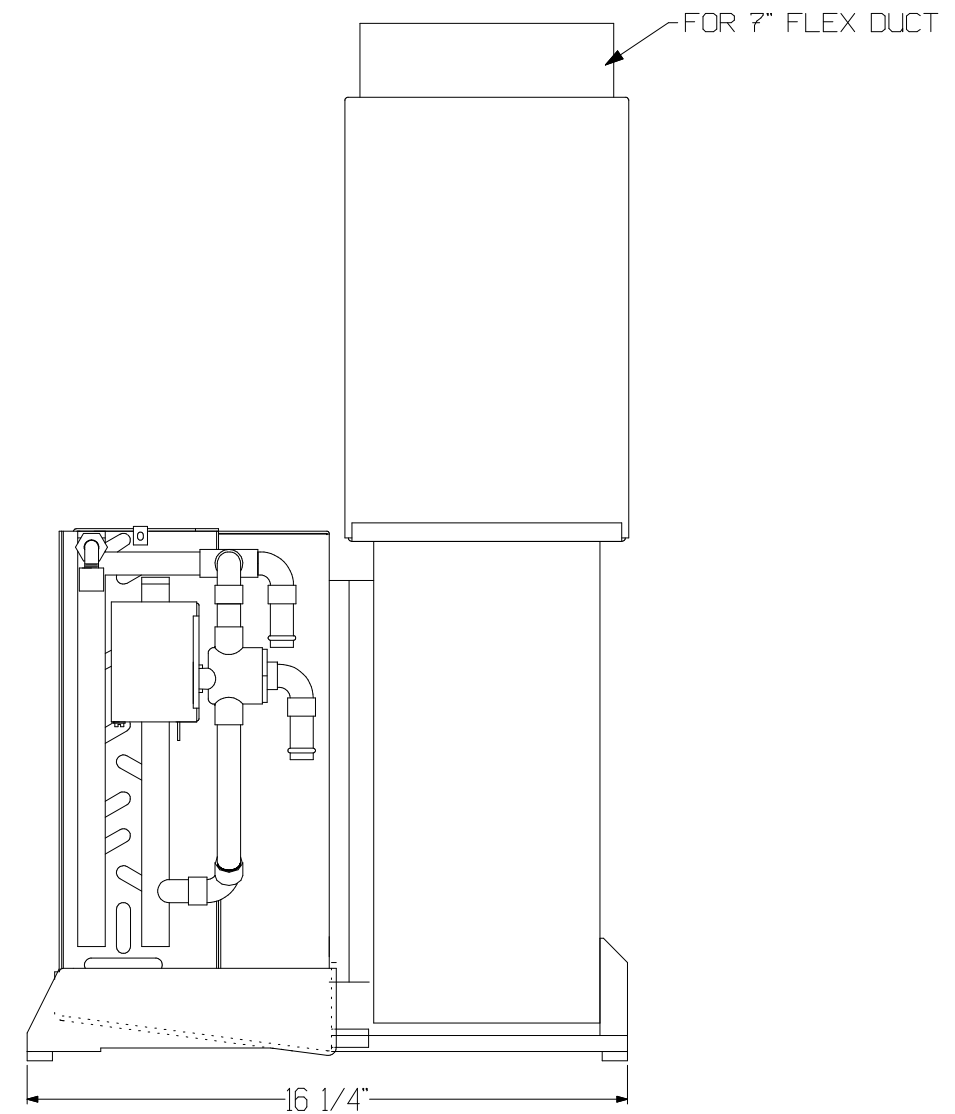
MODEL: AQOCW-18C
 BTU/H: 18,000
 CFM: 600
 GPM: 4.5
 POWER: 208/230-1-60
 FAN AMPS: 4.0 A
 HOSE ADAPTER: 7"
 CHILLWATER: 5/8" OD HOSE BARB
 DRAIN: 1/2" OD
 RETURN AIR: 156 sq. in.
 SUPPLY AIR: 78 sq. in.

AQUA-AIR MARINE AIR CONDITIONING SYSTEMS	
AQOCW-18C 18,000 BTU 600 CFM 208/230-1-60 CHILLWATER FAN COIL	
DRAWING NUMBER AQOCW-18	DRAWN BY DN
SCALE FULL	DATE 080330
APPROVED BY	REVISION DATE
	REV A

FRONT VIEW



RIGHT VIEW



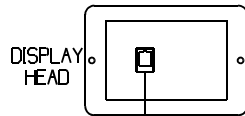
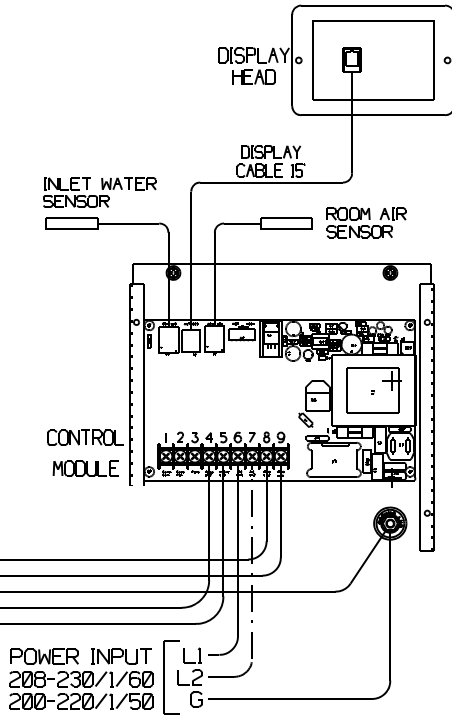
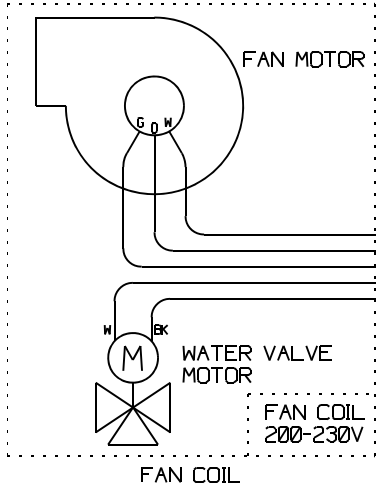
TOP VIEW

AQUA-AIR MARINE AIR CONDITIONING SYSTEMS			
AQOCW-18C 18,000 BTU 600 CFM WITH BLOWER HEATER 3PH			
DRAWING NUMBER	AQOCW-18	DRAWN BY	DN
		DATE	080330
SCALE	FULL	APPROVED BY	REVISION DATE
			REV A

WIRING SCHEMATICS

HOT WATER HEATING SYSTEM

MULTIPLE FAN COILS CAN BE CONNECTED IN PARALLEL TO THE THERMOSTAT PROVIDED THEY DO NOT EXCEED THE MAXIMUM AMPERAGE RATINGS OF THE CONTROL MODULE



MAXIMUM CIRCUIT RATINGS
WATER VALVE 1/4A
FAN MOTOR 12A
HEATER 12A

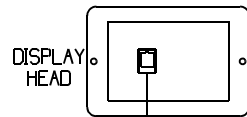
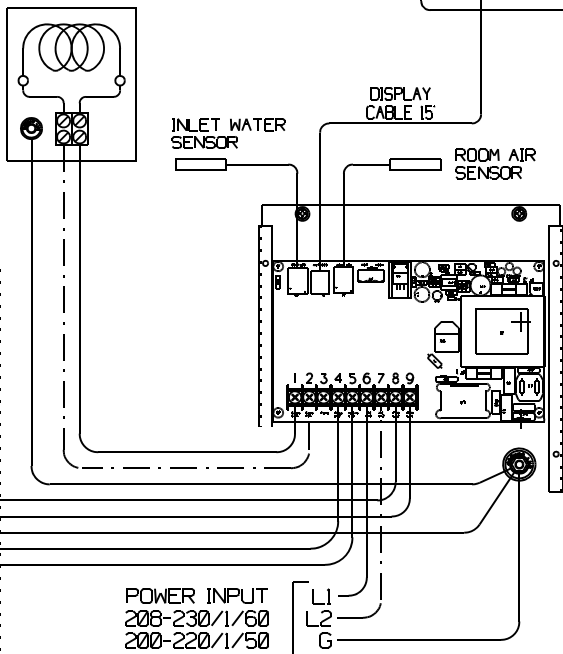
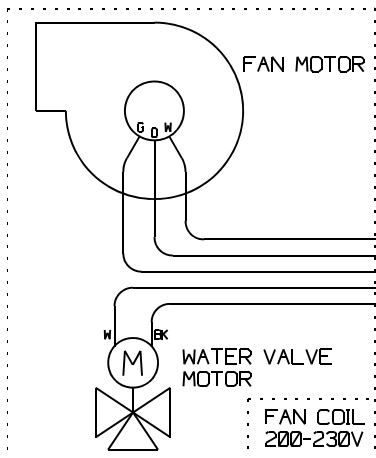
TERMINAL BLOCK CONNECTIONS

1. HEATER ELEMENT L1
2. HEATER ELEMENT L2
3. N/A
4. WATER VALVE L2
5. WATER VALVE L1
6. POWER INPUT L1
7. POWER INPUT L2 or N
8. FAN L2
9. FAN L1

80999-SP.GXD

ELECTRIC ELEMENT HEATING SYSTEM

DUCT HEATER (DH SERIES) or
BLOWER HEATER (BH SERIES) or
FAN COIL HEATER (HTS SERIES)
200-230 / 1 / 50-60



CONTROL MODULE

8099P-SP.GXD