AQUA-AIR
MARINE AIR CONDITIONING SYSTEMS

CHILLWATER FAN COIL AQBHW

FEATURES

- High capacity squirrel cage blower is designed for quiet operation with flexible duct systems.
- Shaded pole blower motor for quiet operation on variable voltage fan speed controls
- 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	AQBHW-12	AQBHW-16
COOLING CAPACITY	12,000 BTU/HR 3,024 KCAL/HR	16,000 BTU/HR 4,032 KCAL/HR
AIR FLOW CAPACITY	400 CFM 680 M³H	530 CFM 900 M³H
WEIGHT	23 LBS 10.5 KGS	23 LBS 10.5 KGS
AMPERAGE DRAW	2.9 @ 115-1-60 1.5 @ 230-1-60	2.9 @ 115-1-60 1.5 @ 230-1-60
POWER CONSUMPTION	334 W	334 W
MINIMUM RETURN AIR GRILLE SIZE	120 in² 774 cm²	144 in² 929 cm²
MINIMUM SUPPLY AIR GRILLE SIZE	144 in² 929 cm²	144 in² 929 cm²
CHILLWATER INLET / OUTLET SIZE	5/8" OD 16 mm OD	5/8" OD 16 mm OD
MAXIMUM DUCT HEATER	2 Kw	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 80910.WPD

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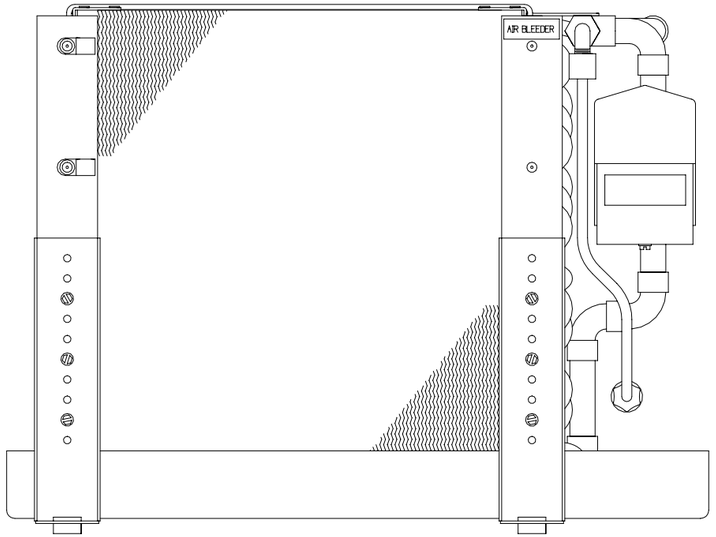
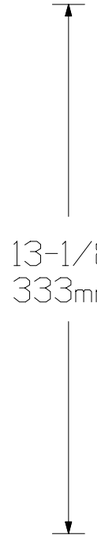
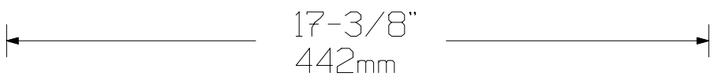
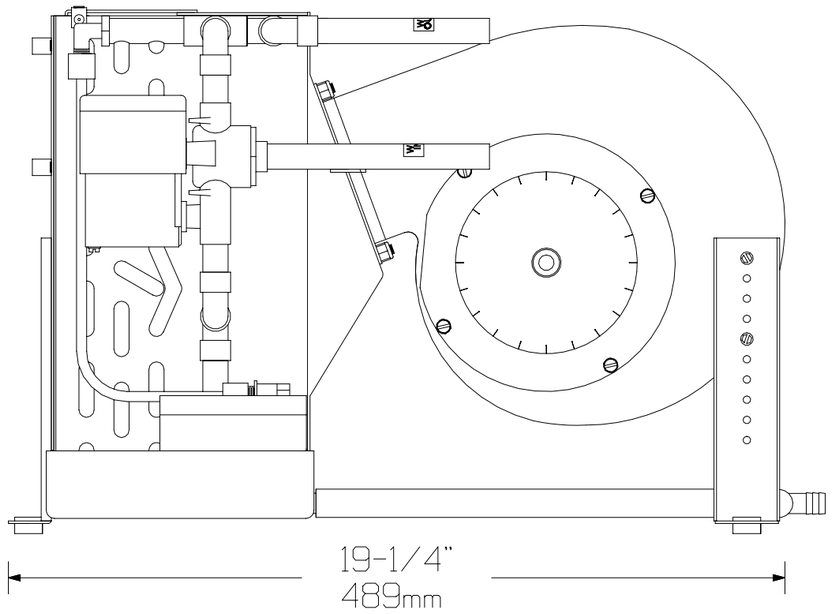


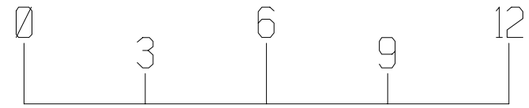




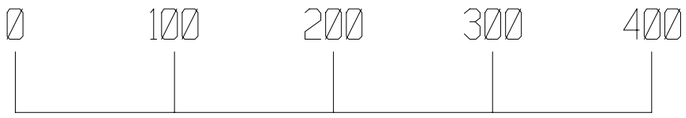
FRONT VIEW



LEFT VIEW

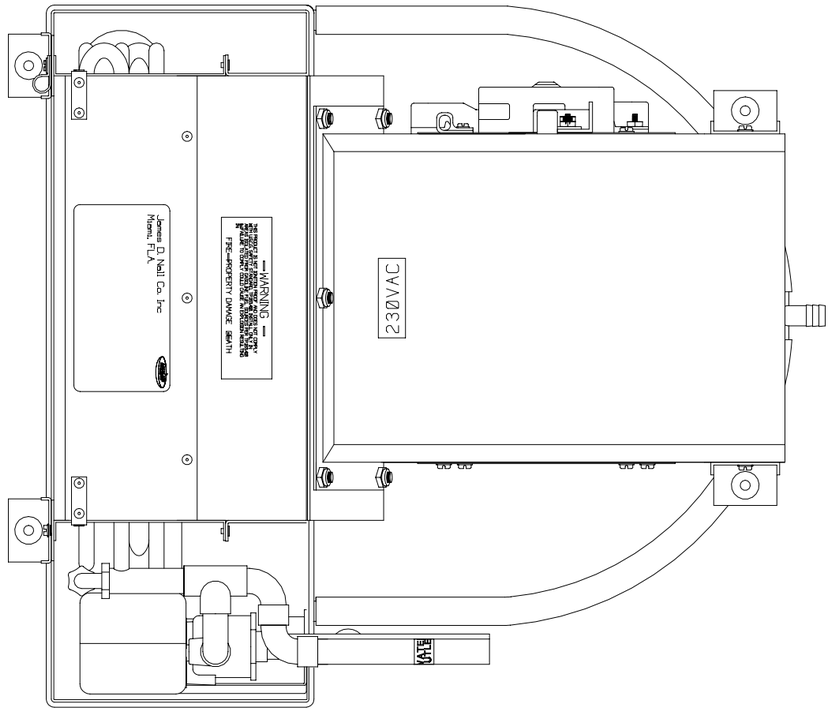


SCALE - INCHES



SCALE - MILLIMETERS

TOP VIEW



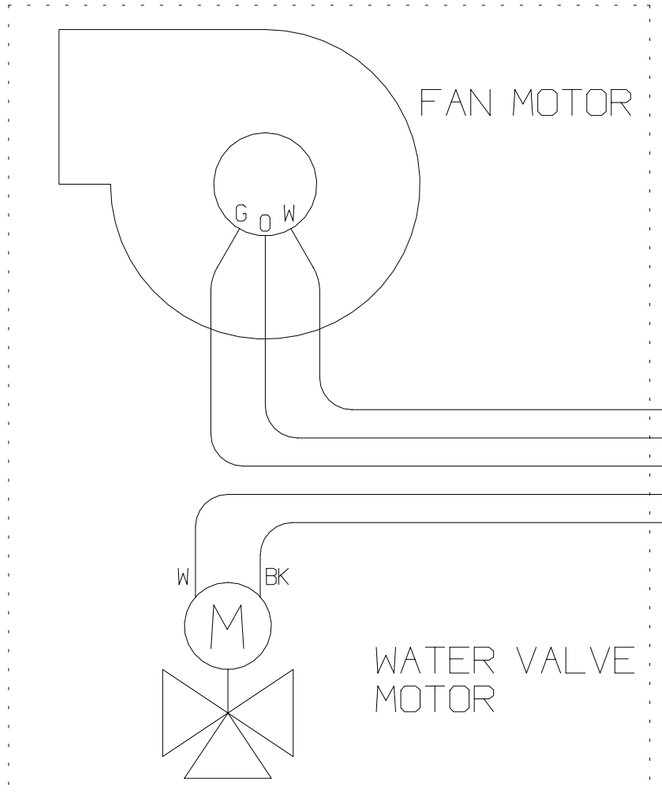
AQUA-AIR MARINE AIR CONDITIONING SYSTEMS

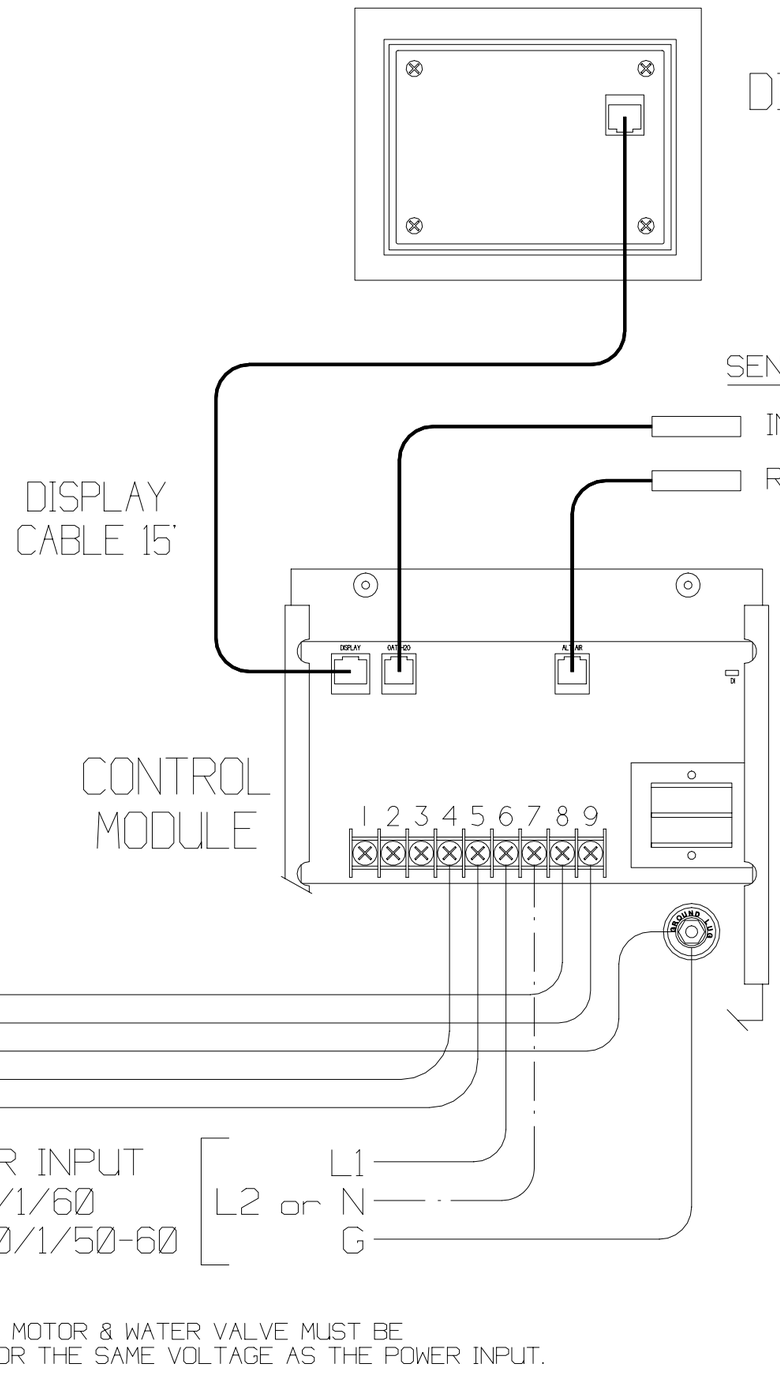
AQBHW SERIES CHILLWATER FAN COIL

DRAWING NUMBER	DRAWN BY	DATE
AQBHW	LES	10-13-95

SCALE	APPROVED BY	REVISION DATE	REV
		09-19-96	B

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





INLET WATER SENSOR NOTE

ATTACH SENSOR TO THE
WATER INLET LINE AT
FAN COIL WATER VALVE

MAXIMUM CIRCUIT RATINGS

WATER VALVE 1/4A
FAN MOTOR 6A
HEATER 20A

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

NOTE: ALL L2's ARE COMMON
TO EACH OTHER

NOTE: FAN COIL MOTOR & WATER VALVE MUST BE
RATED FOR THE SAME VOLTAGE AS THE POWER INPUT.

AQUA-AIR MARINE AIR CONDITIONING SYSTEMS

TW2W DIGITAL THERMOSTAT w/ SINGLE AQBHW Series STYLE FAN COIL 115 or 230V COOLING ONLY or with HOT WATER HEAT

DRAWING NUMBER 4008-34B	DRAWN BY DN	DATE 991026	
SCALE NONE	APPROVED BY	REVISION DATE	REV A