



**CHILLWATER FAN COIL      AQBHW**

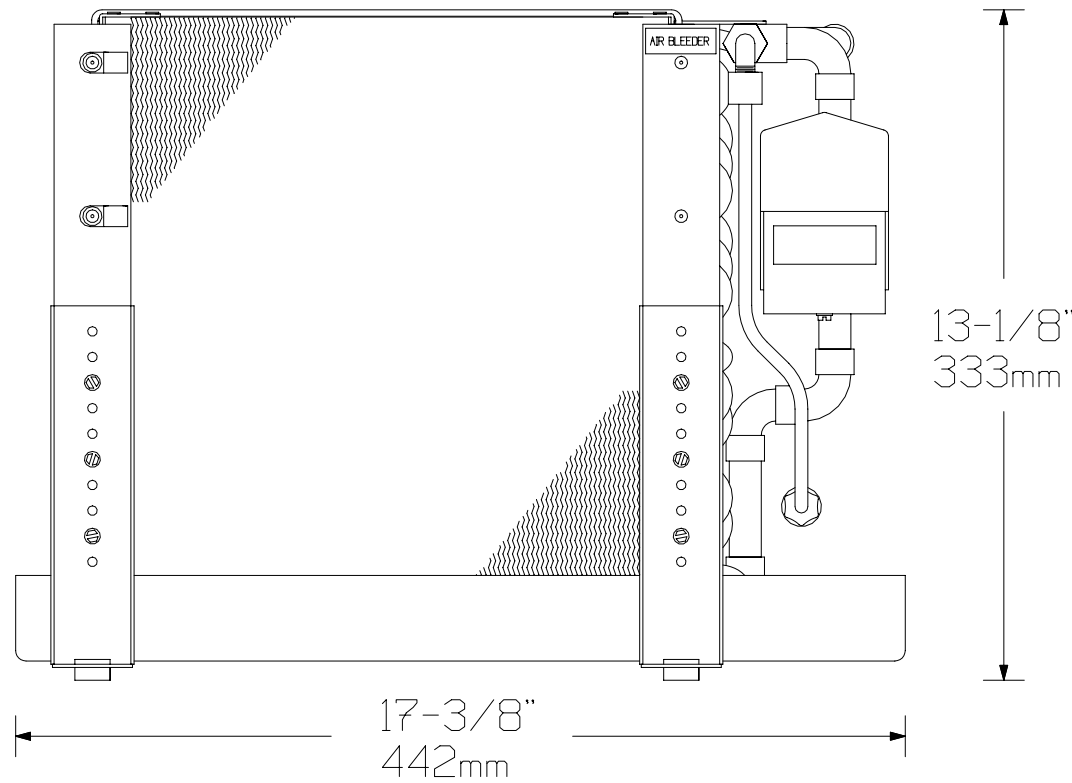
**FEATURES**

- ' 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.

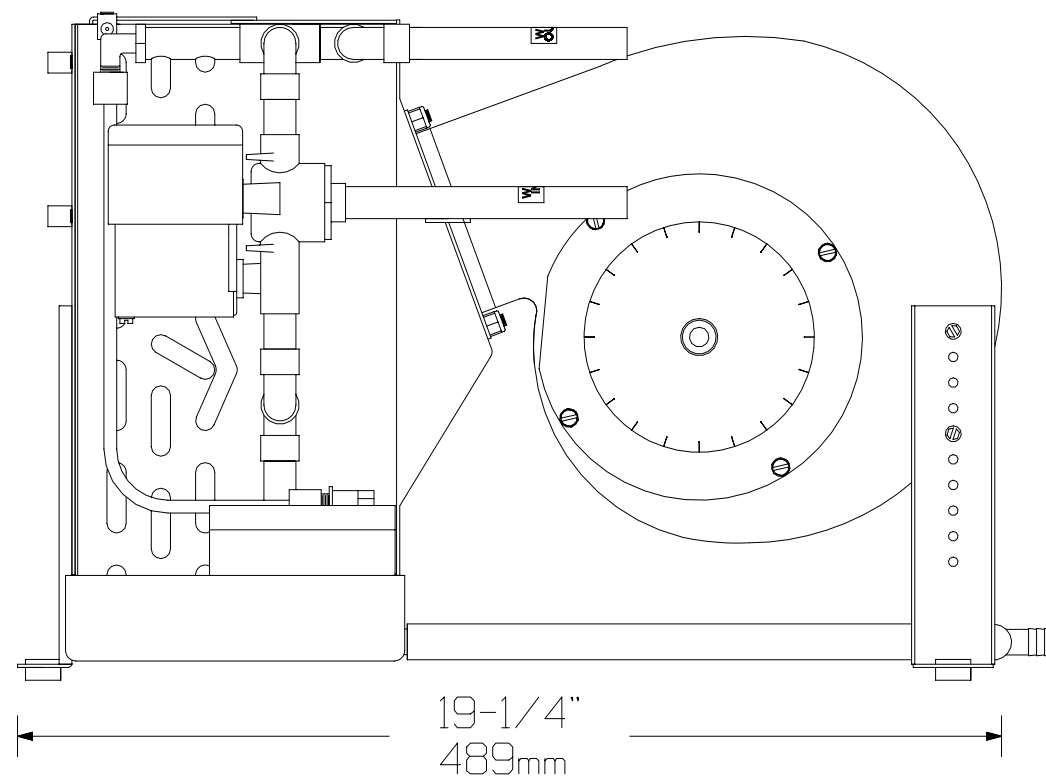
SPECIFICATIONS	AQBHW-12	AQBHW-16
COOLING CAPACITY	12,000 BTU/HR 3,024 KCAL/HR	16,000 BTU/HR 4,032 KCAL/HR
AIR FLOW CAPACITY	400 CFM 680 M <sup>3</sup> H	530 CFM 900 M <sup>3</sup> H
WEIGHT	23 LBS 10.5 KGS	23 LBS 10.5 KGS
AMPERAGE DRAW	2.9 @ 115-1-60 1.5 @ 230-1-60	2.9 @ 115-1-60 1.5 @ 230-1-60
POWER CONSUMPTION	334 W	334 W
MINIMUM RETURN AIR GRILLE SIZE	120 in <sup>2</sup> 774 cm <sup>2</sup>	144 in <sup>2</sup> 929 cm <sup>2</sup>
MINIMUM SUPPLY AIR GRILLE SIZE	144 in <sup>2</sup> 929 cm <sup>2</sup>	144 in <sup>2</sup> 929 cm <sup>2</sup>
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

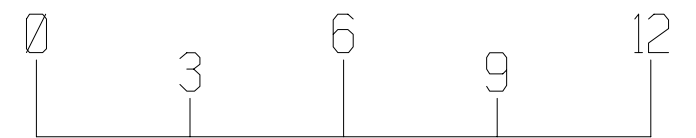
**AQUA-AIR MANUFACTURING, division of the James D. Nall Co., Inc.**  
**1050 East 9th Street, Hialeah, Florida 33010 U.S.A.**  
**Ph. 305-884-8363 Fax 305-883-8549 Email sales@aquair.com**



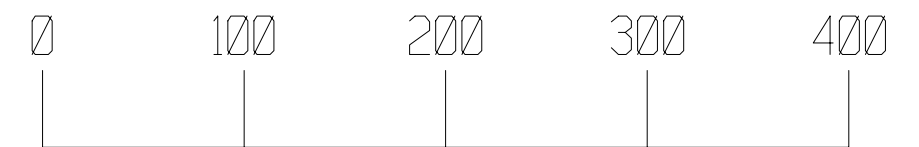
FRONT VIEW



LEFT VIEW

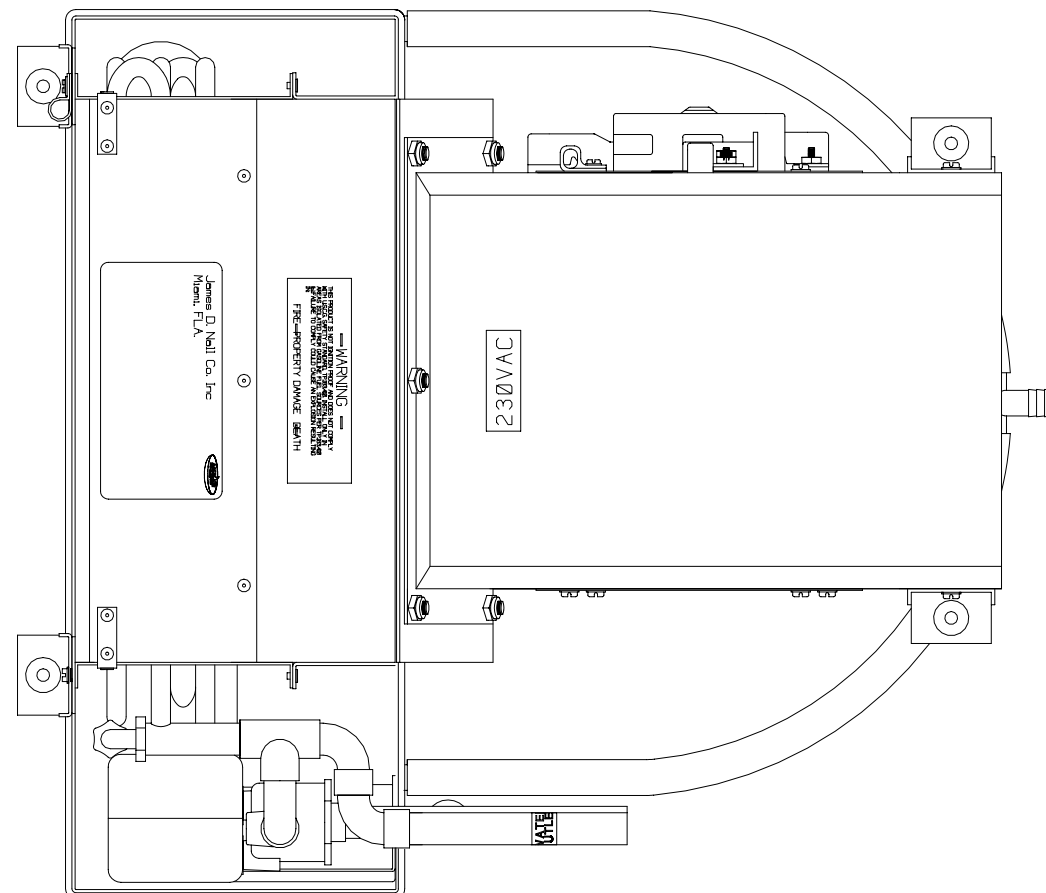


SCALE - INCHES



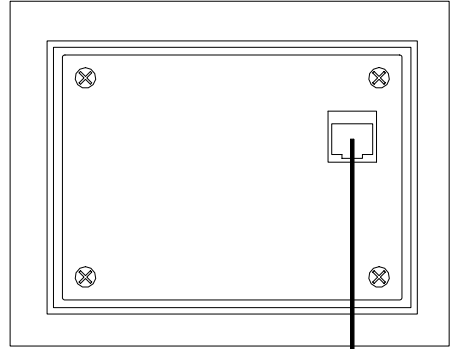
SCALE - MILLIMETERS

TOP VIEW



<b>AQUA-AIR</b> MARINE AIR CONDITIONING SYSTEMS			
AQBHW SERIES CHILLWATER FAN COIL			
DRAWING NUMBER	AQBHW	DRAWN BY	LES
		DATE	10-13-95
SCALE	APPROVED BY	REVISION DATE	09-19-96
		REV	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



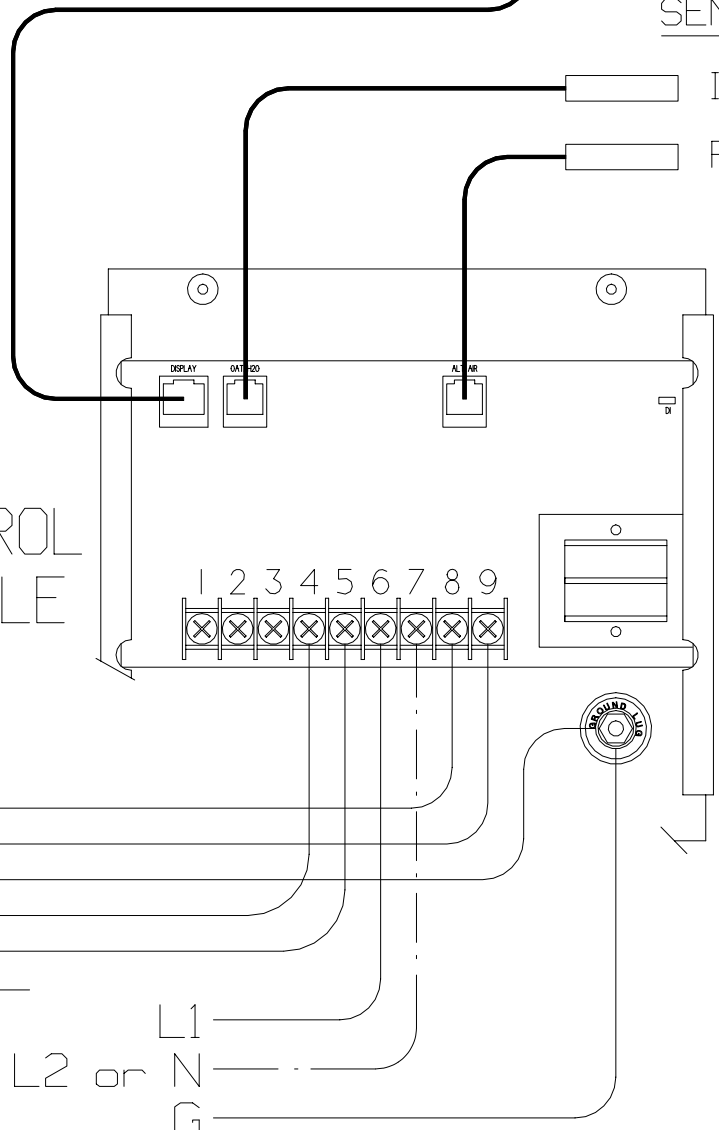
DISPLAY  
HEAD

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

SENSORS

- INLET WATER SENSOR
- ROOM AIR SENSOR

DISPLAY  
CABLE 15'



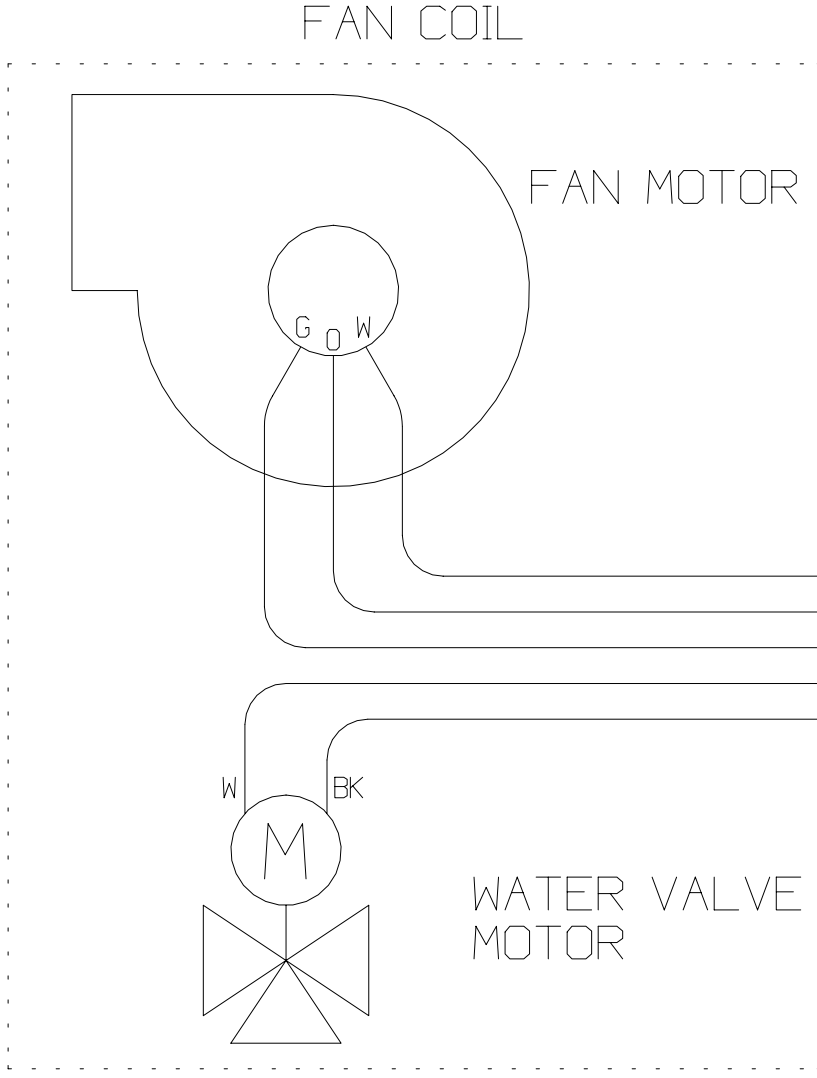
CONTROL  
MODULE

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



FAN COIL

FAN MOTOR

WATER VALVE  
MOTOR

POWER INPUT  
115/1/60  
200-230/1/50-60

L1  
L2 or N  
G

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

<b>AQUA-AIR</b> 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