

CBLBL24C Air Handler Shown

Features

- Low profile air handler
- Twin blowers with high-efficiency PSC motors
- Integrated 3-way bypass valve with modulating flow control valve
- Deep condensate pan is insulated, and includes anti-slosh, antifungal foam lining
- Flexible air bleed valves
- Mounting frame, hose adapters and air filter included
- Integrated electric heat available

The CBLB series is a low profile, ductable air handler with built-in bypass valve and twin high-efficiency blowers. It can be installed in a limited height enclosure, with discharge air ducted to grills high in the cabin, or mounted in an overhead space with return and discharge through the ceiling.

Units are available in capacities of 18,000 and 24,000 Btu/hr. They can be used with any circulated water system. Capacity will vary with water temperature.

The squirrel cage blower housings are insulated, and can be rotated so the discharge air can be easily ducted. The high-efficiency PSC (permanent split capacitor) motor is internal to the blower wheel and housing. The result is a quiet unit with excellent performance and good speed control, especially when used with a Cruisair SMX series control.

CBLB air handlers are equipped with a built-in 3-way bypass valve, which controls the flow of loop water through or around the coil. This permits cabin temperature to be maintained independent of blower speed. The bypass valve has brass and stainless steel components, and a removable powerhead for simple servicing. A loop water changeover thermostat is also included.

Each CBLB unit also includes a modulating loop water flow control to ensure proper water distribution to all air handlers. When used with a Cruisair Modular Tempering Unit, a completely “balanced” system is possible where each component receives the design flow rate of water. This eliminates the tedious job of trying to maximize performance by adjusting valves at each air handler.

The condensate pan, blower housing and all metal surfaces over which air passes are covered with insulating foam, reducing noise and secondary condensation. The condensate pan has an anti-slosh, antifungal foam lining. A frame is included for easy mounting or hanging.

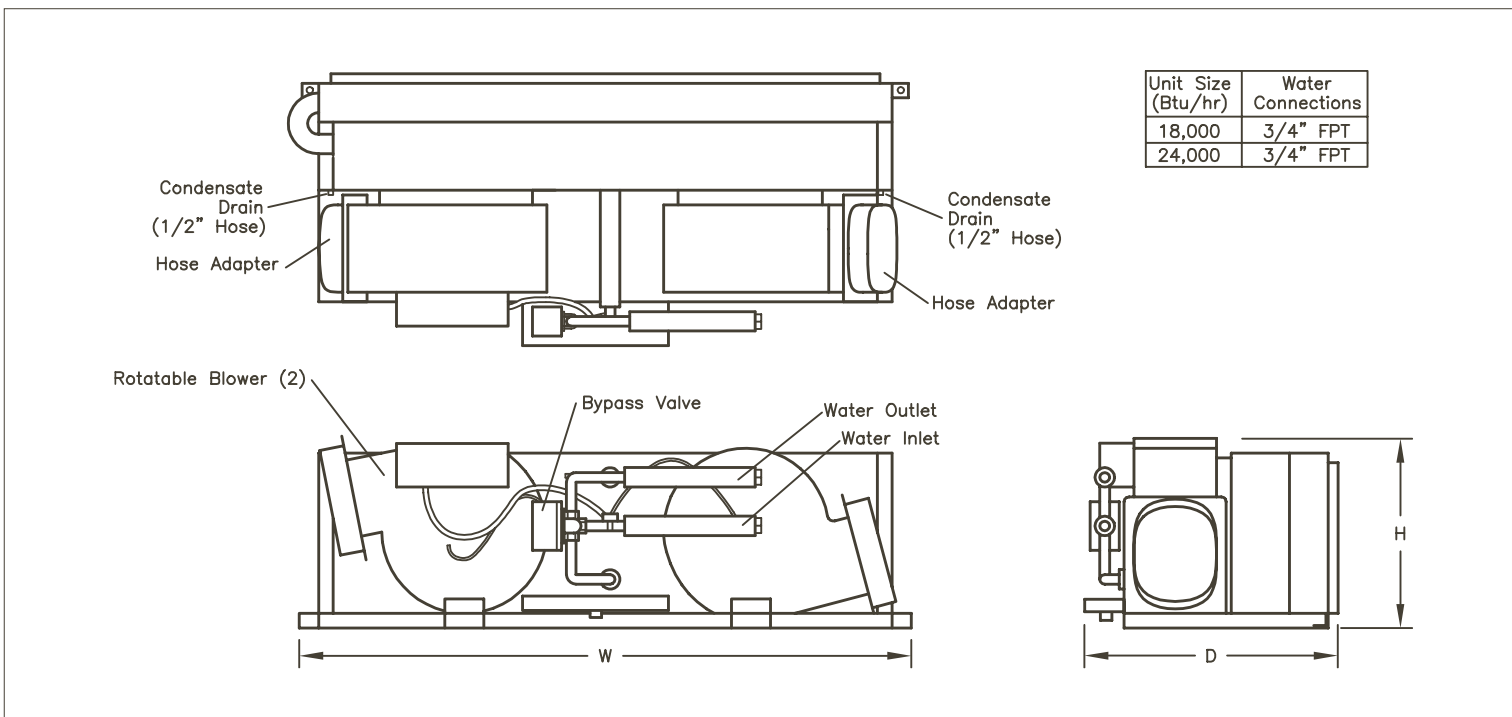
The electrical box can be remotely mounted up to three feet from the air-handling unit. Hose adapters, remote air bleed valves, and an air filter are also included.

Water connections are female NPT fittings. Standard location is on the back, left side of unit (looking into the coil). Right side connections are available on special order.

CHBLB air handlers can also be ordered with integrated electric heat, which can provide supplemental heat when operating in cold seawater temperatures. It also permits individual areas to be heated even when the tempering system is the cooling mode. When used with a SMX series control, a separate humidistat can be added to provide controlled dehumidification.

Units with electric heat have 2-stage temperature over limit control, as well as an interior lining of high temperature insulation to meet ABYC code.

Cruisair air handlers can be used with a rotary-knob switch assembly, or with either the SMX II or SMX Net microprocessor control systems and an SMXir keypad/display. The SMX II or SMX Net power/logic box must be ordered separately.



TECHNICAL SPECIFICATIONS

Model	Capacity (Btu/hr)	Voltage	Blower Amps	Electric Heater		Dimensions (in/cm)			Weight (lb/kg)	Air Flow (cfm/cmh)
				kW	Amps	H	W	D		
CBLBL18C	18,000	230	1.4	-	-	12.0/31	35.0/89	18.8/48	49/22.2	600/1020
CHBLBL18C				3.0	12.5			*21.5/55	51/23.2	
CBLBL24C	24,000	230	1.8	-	-	12.0/31	43.5/110	18.8/48	55/24.9	800/1360
CHBLBL24C				4.0	16.6			*21.5/55	57/25.9	

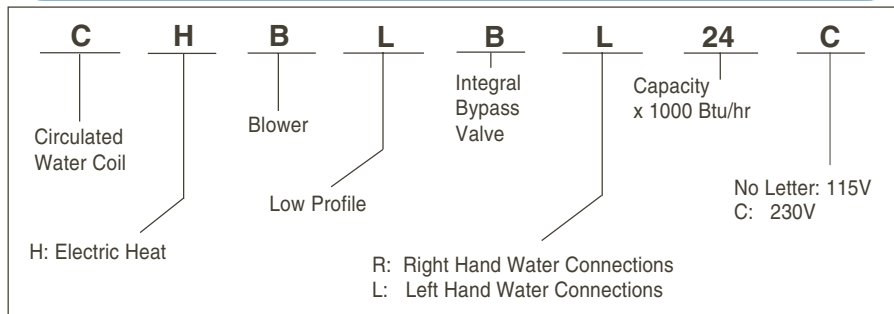
*Estimated

SPECIFYING GUIDE FOR ACCESSORIES

Btu/hr	Minimum Return Grill Size (sq in/cm)	Minimum Discharge* Grill Sizes (sq in/cm)	Recommended Duct Size* (in/mm)
15-18	180/1160	50/320*	6/150*
21-24	240/1550	70/450*	7/175*

*Two discharge blowers

INTERPRETING MODEL NUMBERS



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