

## Ecologix EC 40 air handler

- High efficiency ECM blower motor for electrical savings.
- Cycle timer built in for exercising pump every 24 hours. Test button on circuit board allows fast verification of cycle timer function.
- Heating, cooling and continuous fan speeds are all independently and easily selectable using rotary switches for maximum flexibility.
- Compatible with all 24-volt heat/cool and heat pump thermostats.
- All 24V controls located inside electrical box, accessible through front cover.
- Microprocessor based design with advanced control logic.
- Push button connectors for thermostat wires for fast installation. High quality wire harnesses for quick servicing and component swap out.
- Lighted service area provides high visibility in poorly lit locations.
- LED indicators on all thermostat inputs and control outputs. LED status tables and trouble codes for easy diagnostics.
- Robust surge suppression for protection from lightning strikes.
- Flexible mounting: unit mounts in any direction: up, down, horizontal discharge left or right.
- Heating coil comes complete with built in pump and check valve.
- Add-on cooling (sold separately) is easy with a slab coil on return air or "A" coil in the supply air plenum. Hydronic coils are also available for add-on chilled water cooling.
- All service access is through front panels.
- Compatible with standard duct systems or can be used in small diameter duct systems to minimize plenum sizes.
- Knock outs for standard filter frame (sold separately) on sides or bottom.
- Attractive white powder coat finish. Galvanized steel cabinet post painted for long life even in wet environments.
- Blower housing with forward curved zinc coated steel blower wheel. G90 galvanized steel suitable for use in wet environments.



• <b>Project</b>	
<b>Address</b>	
<b>Date</b>	

## Physical Properties

MODEL:		EC40
Dimensions (W x D x H) inches		14x25x26
Supply Air (WxD) inches		12"x20"
Return Air (WxD) inches		14"x23"
Filter Rack Size (WxD) inches		16"x25"
Water inlet and outlet		½"
Coil size (length x width - rows)		13x20-3R
Shipping weight – pounds		68
Power (Volts/Phase/Hz)		115/1/60
Total Unit FLA		6.3
Minimum Ampacity		7.7
Max over current (fuse size) Amps		15
Motor Horsepower		1 /3
Blower Model		10x5

## PERFORMANCE Specifications

MODEL:		EC40
Heating Capacity (Btu/h) 100F		17,000
Heating Capacity (Btu/h) 110F		22,700
Heating Capacity (Btu/h) 120F		28,200
Heating Capacity (Btu/h) 130F		33,800
Heating Capacity (Btu/h) 140F		39,800
Heating Capacity (Btu/h) 160F		51,800
Heating Capacity (Btu/h) 180F		63,500
Cooling Capacity – High (Tons)		2.0
Cooling Capacity – Med. (Tons)		1.5
Cooling Capacity – Low (Tons)		1.0
Continuous run speeds		Low-Med-High
Heating Air flow speeds - cfm		400-600-800
Cooling air flow speeds – cfm		400-600-800
Circulator Pump Flow(GPM)		4.0
Maximum Heating Airflow (CFM)		800
Max. Ext. Static Pressure (in.wc)		1.3

1. Heating capacities are based on 70F return air, high fan speed. For medium speed de-rate capacity by 20%. For low speed de-rate capacity by 40%
2. Air handler can deliver the programmed airflow at any static pressure below the maximum external static pressure. Allow 0.25 inches w.c. for external AC coil.
3. 98 series air handler includes an external heating coil and pump to be field mounted. Width shown for 98 series air handler includes cased heating coil. Cased coil can be ordered top inlet or straight through configuration. (see picture, front page for top inlet)