

ECOLOGIX ZONE (EZ) Zoned Comfort System

- Variable speed ECM blower motor technology for maximum electrical savings.
- Compatible with standard heat/cool thermostats or heat pump thermostats.
- Compatible with air source heat pump, ground source heat pump, boiler or domestic combination space and water heating systems.
- Air stream monitored and system controlled to ensure heating coil and AC coil are freeze protected.
- The fan speed is carefully controlled as dampers open and close to eliminate the need for an energy wasteful by-pass damper.
- Cycle timer built in for exercising pump every 24 hours.
- All 24V controls located inside electrical box, accessible through front cover. Push button connectors for thermostat wires reduce installation time.
- Controller with four button display accessible through front panel. Feature rich menu allows system zones to be set up to any desired air flow in heating or cooling.
- All service access is through front panels.
- 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 return air plenum. Hydronic coils are also available for add-on chilled water cooling.
- 10" round duct top discharge suitable for flexible duct connection to any shape ductwork.
- Compatible with standard duct systems or can be used in small diameter duct systems to minimize plenum sizes.
- Standard 16"x25" or 20"x25" filter frame (sold separately) can fit on left or right side or bottom of unit.
- Galvanized steel cabinet 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.



EZ46-70

Physical Properties

MODEL:	EZ46	EZ66	EZ70
Dimensions (W x D x H) inches	23"x25"x42"	23"x25"x42"	23"x25"x42"
Supply Air (Dia.) inches	10"Ø	10"Ø	10"Ø
Return Air (W x D) inches	18" x 23"	18" x 23"	18" x 23"
Filter Rack Size (W x D) inches	20" x 25"	20" x 25"	20" x 25"
Water inlet and outlet	¾"	¾"	¾"
Coil size (length x width x rows)	22x20-2R	22x20-3R	22x20-3R
Shipping weight – pounds	90	90	98
Power (V/Ph/Hz)	115/1/60	115/1/60	230/1/60
Total Unit FLA	6.3	6.3	6.0
Minimum Ampacity	7.7	7.7	8.0
Maximum over current (Amps)	15	15	15
Motor Horsepower	1 /3	1 /3	1 /2
Blower Model	10x9	10x9	10x9
Number of zones	4	4	4

PERFORMANCE Specifications

MODEL:	EZ46	EZ66	EZ70
Heating Capacity – (Btu/h)@100F	18,400	25,400	26500
Heating Capacity – (Btu/h)@110F	25,200	35,200	36800
Heating Capacity – (Btu/h)@120F	32,200	45,300	47400
Heating Capacity – (Btu/h)@130F	39,400	55,700	58400
Heating Capacity – (Btu/h)@140F	46,600	66,100	69400
Heating Capacity – (Btu/h)@160F	61,400	87,900	92400
Heating Capacity – (Btu/h)@180F	76,500	110,900	116,900
Maximum Cooling Capacity	3.5	3.5	5.0
Maximum Airflow (CFM)	1400	1400	1700
Max. Ext. Static Press. (in wc)	1.0	1.0	0.5
Water flow rate (gpm)	5	6	6

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. 5 Ton cooling good for SHR =70% or lower. EZ70 System good for 4.5 Ton or less for all conditions.
4. Air handler pump can be substituted with 2-way zone valve at no extra charge for use in central boiler systems. Add suffix "ZV" when ordering.
5. See "Performance Charts" for more details on individual air handlers when operating at different conditions to what is shown above.
6. To order system without built-in hydronic heating coil and pump, add "FB" to suffix when ordering.