



Modulating High Efficiency Hydronic Air Handler

ecosmart uses revolutionary, (patent-pending) proprietary technology to bring you high-efficiency hydronic air handlers like you've never seen! Loaded with features for unmatched comfort and ease of installation.



MODULATING MODELS - ES50LVP and ES90LVP

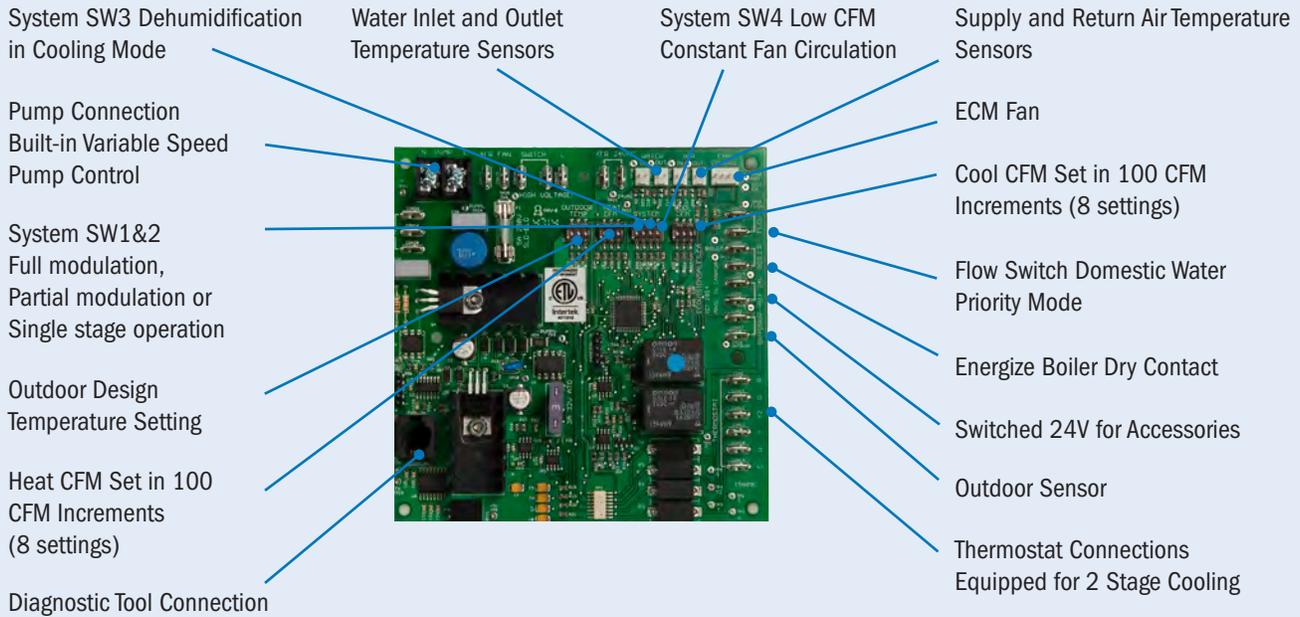
- Modulates both fan speed and pump speed simultaneously. *The first of its kind!*
- Built-in variable speed pump controller will vary the speed of any single speed pump
- Unit modulates based on outdoor design temperature set by installer
- Can be field configured for full modulation, multi stage or single stage operation
- Adjustable fan speeds from 300-2000 CFM in 100 CFM increments
- Variable speed ECM fan motor delivers constant CFM over a range of static pressures
- Built-in dehumidification feature
- Designed to optimize CAN/CSA-P.9-11 performance ratings with ease
- Domestic water priority option
- Simplified installations with game changing proprietary microcontrollers
- Soft-ramping fan technology - quiet operation in all modes
- Exceptional ratings at modest flow rates of 2-5 GPM
- Independently select heating and cooling speeds
- Front or rear water connections
- Lined with acoustic insulation
- All ecosmart air handlers match well with boilers, water heaters, or any other hot water source
- All units are suitable for multi position installations



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Board Specifications



Specifications

Model	ES50LVP	ES90LVP	ES120LVP
Heating Performance Data @ 70°F Entering Air Temperature			
Max. BTUH @ EWT 120°F	27,390	38,240	53,770
Max. BTUH @ EWT 140°F	38,550	53,830	76,030
Max. BTUH @ EWT 160°F	49,770	69,500	98,490
Max. BTUH @ EWT 180°F	61,020	85,210	121,090
Piping Connections Copper (inches)	1/2	3/4	3/4
Flow Ratings GPM	4	4	4
CFM @ 0.5" E.S.P.	800	1200	2000
DX Cooling tons	1 - 2	1.5 - 3	4 - 5
Cabinet Size W x D x H (inches)	14 x 21 x 29	21 x 21 x 29	24 x 21 x 29
Supply Air Opening W x D (inches)	12 x 17.8	18.8 x 17.8	21.8 x 17.8
Return Air Opening W x H (inches)	18 1/4 x 14 1/4	18 1/4 x 14 1/4	18 1/4 x 14 1/4
Unit Weight (lbs.)	85	95	110

