



# HI-Velocity 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.**



 **HI VELOCITY**

## HIGH VELOCITY MODELS - ES50HVP and ES90HVP

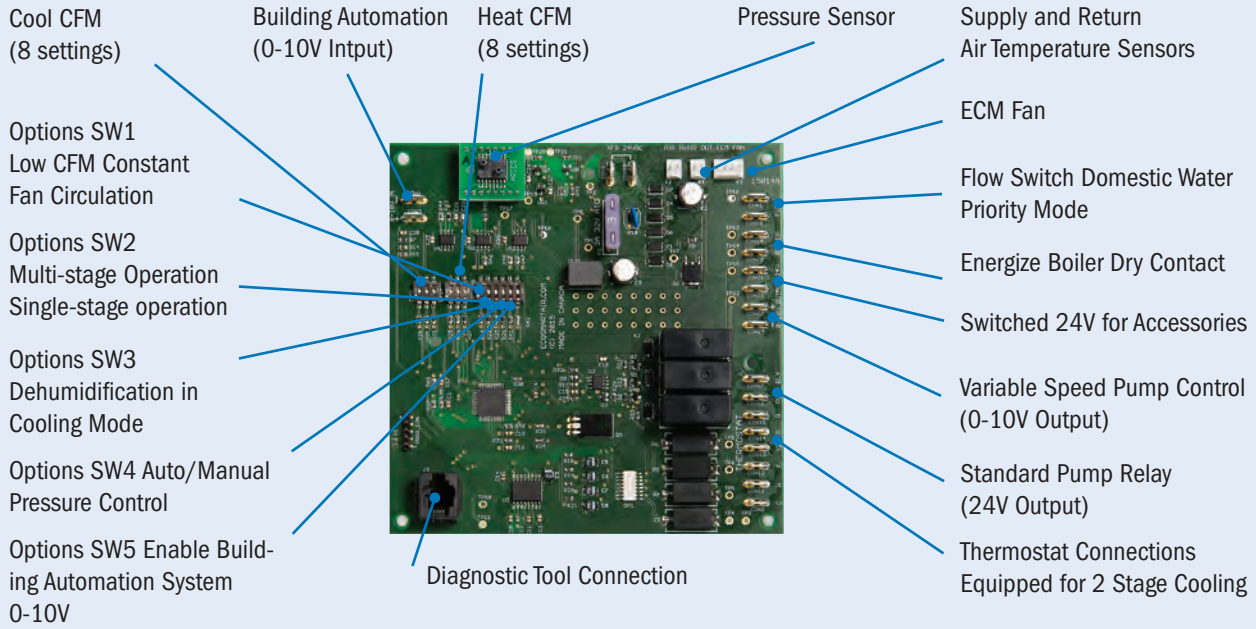
- Revolutionary Constant Pressure Technology CPT (patent pending) dynamically adjusts fan speed to maintain a constant static pressure
- Safeguards from homeowners tampering with air flow ensuring continued quiet operation
- Independently select from up to 8 different static pressures for heating and cooling
- Delivers lasting, balanced system operation and performance
- Variable speed ECM motor
- Compatible with building automation systems
- Operates a standard pump or a variable speed pump with 0-10V input
- Domestic water priority option
- Simplified installations with game changing proprietary microcontrollers
- Soft-ramping fan technology – quiet operation in all modes of operation
- Exceptional ratings at modest flow rates of 2-5 GPM
- 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



105 Haist Avenue, Unit 10, Vaughan ON L4L 5V6  
T 905.857.9755 • F 905.857.6983  
ecosmartair.com • info@ecosmartair.com



## Board Specifications



## Specifications

Model	ES50HVP	ES90HVP	ES100HVP
<b>Heating Performance Data @ 70°F Entering Air Temperature</b>			
Max. BTUH @ EWT 120°F	27,112	35,950	45,550
Max. BTUH @ EWT 140°F	38,104	50,525	64,010
Max. BTUH @ EWT 160°F	49,134	65,145	82,540
Max. BTUH @ EWT 180°F	60,192	79,800	101,120
Piping Connections Copper (inches)	1/2	3/4	3/4
Flow Ratings GPM	5	7	7
CFM @ 1.5" E.S.P.	580	750	1000
DX Cooling Tons	1 - 2	2 - 2 1/2	2.5 - 3
Cabinet Size W x D x H (inches)	14 x 21 x 29	21 x 21 x 29	21 x 21 x 29
Supply Air Opening Diameter (inches)	8	8	10
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
Minimum Outlets	13	14	21
Maximum Outlets	17	20	28
Unit Weight (lbs.)	85	95	100

