



SUBMITTAL DATA SHEET

Job Name:		Contractor:	
Location:		Distributor:	
Engineer:		Date:	
Submitted To:		Model No:	ES100HVP
Schedule ID:		No. of Outlets:	

Ecosmart Air Specifications	ES100HVP
BTUH Heating @ 180°F E.W.T	111,340
BTUH Heating @ 170°F E.W.T	101,090
BTUH Heating @ 160°F E.W.T	90,860
BTUH Heating @ 150°F E.W.T	80,636
BTUH Heating @ 140°F E.W.T	70,436
BTUH Heating @ 130°F E.W.T	60,250
Piping Connections Copper (in)	3/4
DX Cooling Capacity (tons)	2.5 - 3
CFM @ 1.5" E.S.P.	1140
Supply Voltage	120/1/60
GPM Flow Rating	7
Cabinet Size W x D x H (in)	21 x 21 x 29
Supply Air Opening D (in)	10
Side Return Air Opening W x H (in)	18.3 x 14.3
Recommended Filter Size H x D (in)	16 x 20
Shipping Weight (lb)	95
Shipping Dimensions W x D x H (in)	22 x 24 x 30.5
Minimum No. Outlets *	19
Maximum No. Outlets *	30
HP (fan)	3/4
FLA (amps)	10.8
MCA (amps)	13
MOP (amps)	20

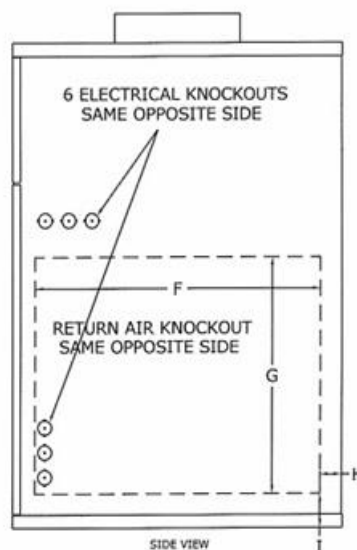
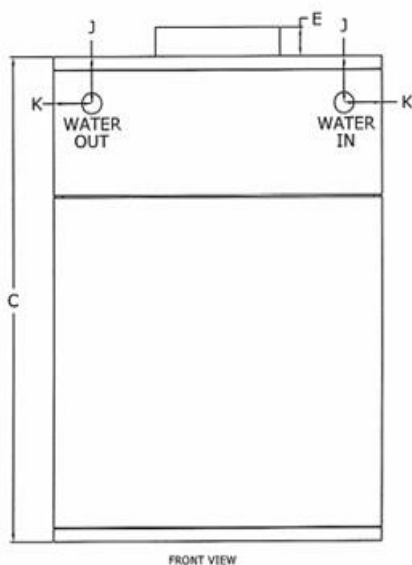
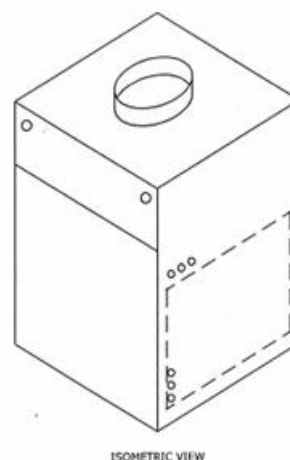
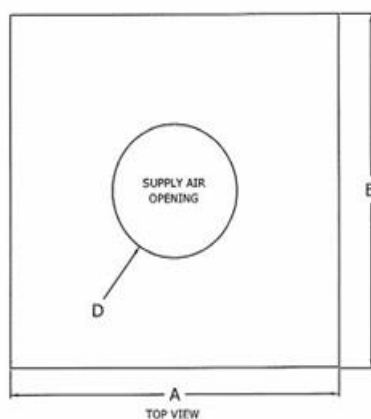
* The minimum and maximum number of ducts can be adjusted based on the design airflow per duct. The median number of ducts results in an airflow of approximately 40cfm from each diffuser. Diffuser cfm can be raised or lowered depending on the design conditions. The unit has eight independent heating and cooling settings.

Features

High Efficiency Air Handler with Constant Pressure Technology (CPT), 3 Stage or Single Stage Heating, Single or 2 Stage Cooling, Multi Position Installation, Hydronic Heating and DX cooling Applications, Constant Torque ECM, Independent Heating and Cooling CFM Adjustment, Low Continuous Fan, DHW Priority Option, Dry Contacts and Switched 24V, Easy installation and Servicing, Bottom or Side Return, Compact Size, Front or Rear Piping Connections, Comprehensive Warranty.



PHYSICAL DATA - INCHES											
Model	Overall Dimensions			Supply Opening		Side Return				Piping Location	
	W x D x H			W x D							
	A	B	C	D	E	F	G	H	I	J	K
ES50HVP	14	21	29	8	1.8	18.3	14.3	1.4	2	2.8	2.4
ES90HVP	21	21	29	8	1.8	18.3	14.3	1.4	2	2.8	2.4
ES100HVP	21	21	29	10	1.8	18.3	14.3	1.4	2	2.8	2.4



ES50 Bottom Return Opening Knock Out 12" x 18"
 ES90 Bottom Return Opening Knock Out 19" x 18"
 ES100 Bottom Return Opening Knock Out 19" x 18"