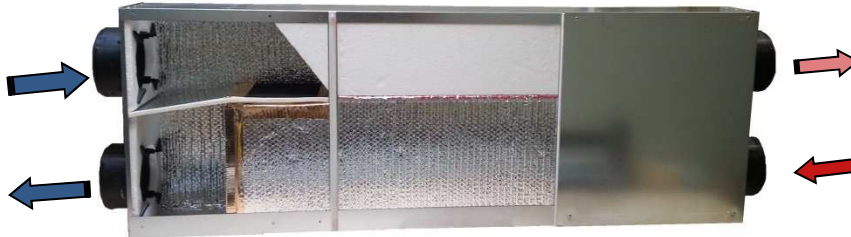




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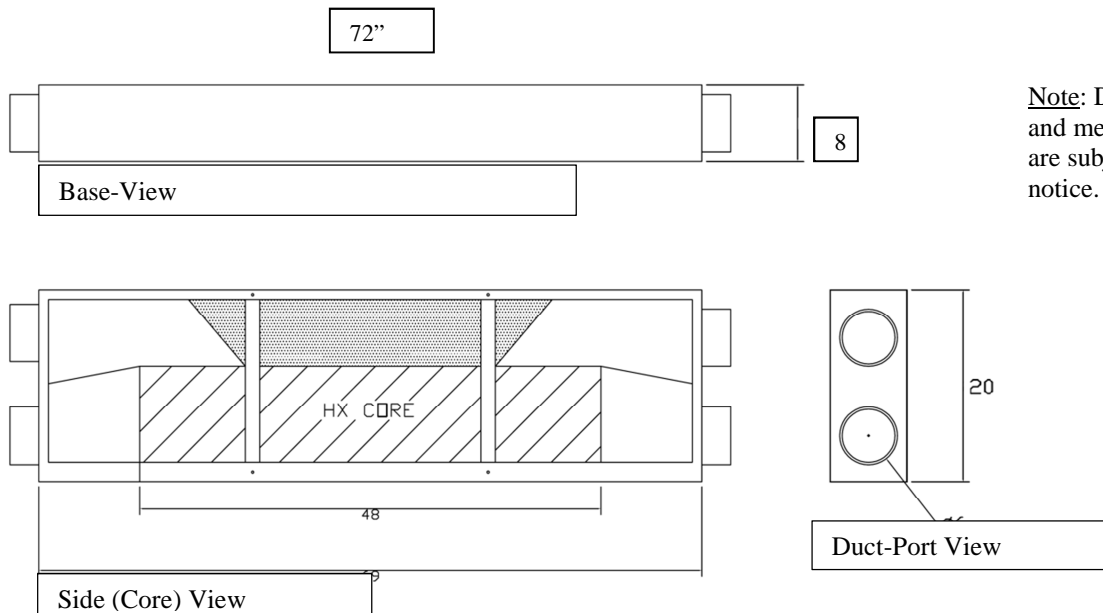
BPE-XE-MIR-400



SPECIFICATIONS

Model Number: BPE-XE-MIR 400, Energy Recovery Module (ERM)				
Ventilation Type: Polymer Fixed Plate, Heat and Humidity Transfer				
Typical Air Flow Range: 175 to 400 cfm				
V	Hz	Phase	Input Watts per fan	FLA
115	60	Single	137 @ 429 cfm	1.35 each fan
Energy Efficiency Ratio (EER) - Summer = BTUH/W = 31.53 (ARI 1060 at 95°F)				
Energy Efficiency Ratio (EER) - Winter = BTUH/W = 75.67 (ARI 1060 at 10°F)				
Flame Rating: ASTM E84 Flame Spread < 25				
Smoke Density < 50				
Insulation: R-6.0				
Typical Fans: Fantech FR-225, 274 Watts for two fans (NOTE: order fans separately)				
Shipping Dimensions: 72" x 23" x 10" (boxed)				
Weight: 65 lbs (Packaged), 58 lbs (ERM alone)				
Note: Typically no defrost controls are needed in conditions above -10 F and/or below 40 %RH. For colder or more humid applications call BPE Technical Support.				
Metal Galvanized Exterior with Reflectic Semi-Rigid Insulation : R-4.2				

Patents & Patent Pending – BPE®



Note: Dimensions in inches and method of manufacturing are subject to change without notice.

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Support: (201) 722.1414 | Fax: (201) 722-0999

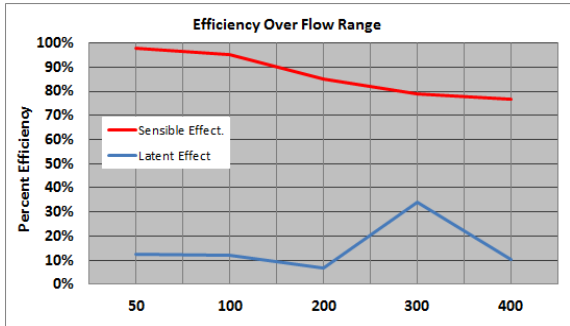
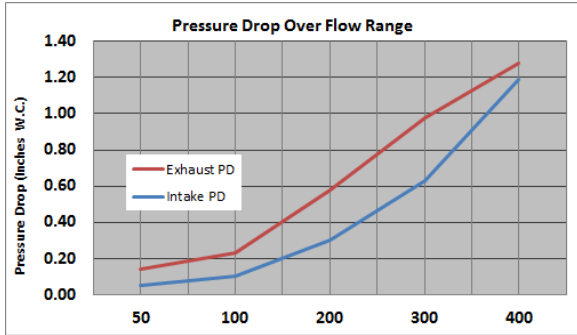


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Eco Air Anywhere®

BPE Performance



Procedure for Fan Sizing:

1. Determine flow in CFM and efficiency desired.
2. If efficiency is not acceptable, step up to next size model.
3. Determine static pressure of both exhaust and fresh air intakes in ERM, duct, filters, louvers and diffusers.
4. Add margin or safety factor.
5. Consider adding speed controllers.

ARI 1060 Testing

Project Name: _____

Location: _____

Application: _____

Design Conditions

Summer

Outdoor Air (FA)	_____ CFM	_____ in W.C.	_____ °F DB	_____ °F WB
Indoor Air (EA)	_____ CFM	_____ in W.C.	_____ °F DB	_____ °F WB
	_____ % Thermal Effectiveness		_____ % Latent Effectiveness	

Winter

Outdoor Air (FA)	_____ CFM	_____ in W.C.	_____ °F DB	_____ °F WB
Indoor Air (EA)	_____ CFM	_____ in W.C.	_____ °F DB	_____ °F WB
	_____ % Thermal Effectiveness		_____ % Latent Effectiveness	

Component	Intake (Inches WC)	Exhaust (Inches WC)
Louver	_____	_____
Filter	_____	_____
Duct work	_____	_____
ERV	_____	_____
Diffuser	_____	_____
Total Static	_____	_____
Add 25% - Safety Factor	_____	_____
Fan Static =	_____	_____
Fan CFM =	_____	_____
Fan Manufacture	_____	_____
Fan Model	_____	_____

Email this sheet to charles@lowkwh.com for equipment and fan selection.

Notes: