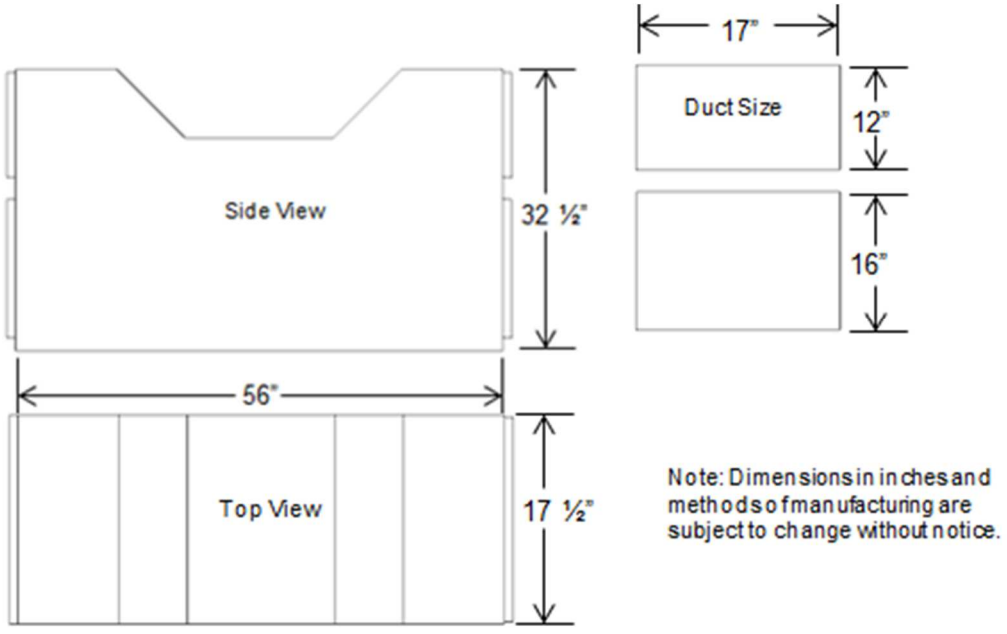
Building Performance Equipment, Inc.®

Sustainable, Reliable and Energy Efficient Ventilation Systems

BPE-XE-MIR 1000

SPECIFICATIONS

Model Number: BPE-XE-MIR 1000, Energy Recovery Module (ERM)				
Ventilation Type: Polymer Fixed Plate, Heat and Humidity Transfer				
Typical Air Flow Range: 400 to 1,100 cfm				
V	**Hz**	**Phase**	**Input Watts**	**FLA**
120	60	Single	362 @ 627 cfm	1.87 each fan
Energy Efficiency Ratio (EER) - Summer = Btus/Watt = 38.9 (ARI 1060 at 95°F)				
Energy Efficiency Ratio (EER) - Winter = Btus/Watt = 81.3 (ARI 1060 at 10°F)				
Typical Fans: Fantech FKD-10, 329 Watts each fan (NOTE: order fans separately)				
Shipping Dimensions: 70" x 48" x 28" (Elongated pallet)				
Weight: 220 lbs (Boxed on pallet), 140 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-5 RMAX				



www.LowkWh.com

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

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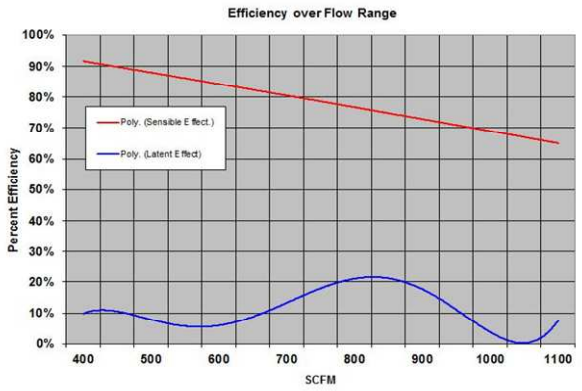
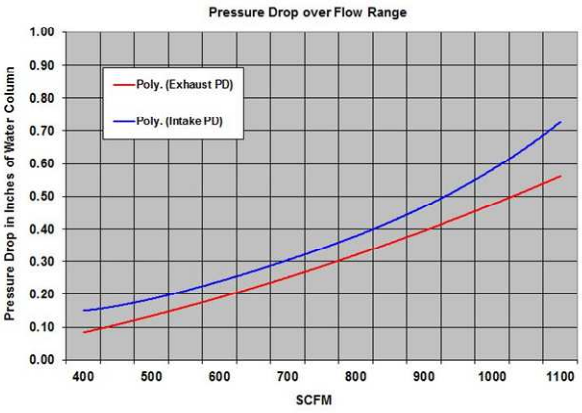
Eco Air Anywhere®

BPE Performance





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	

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.

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: