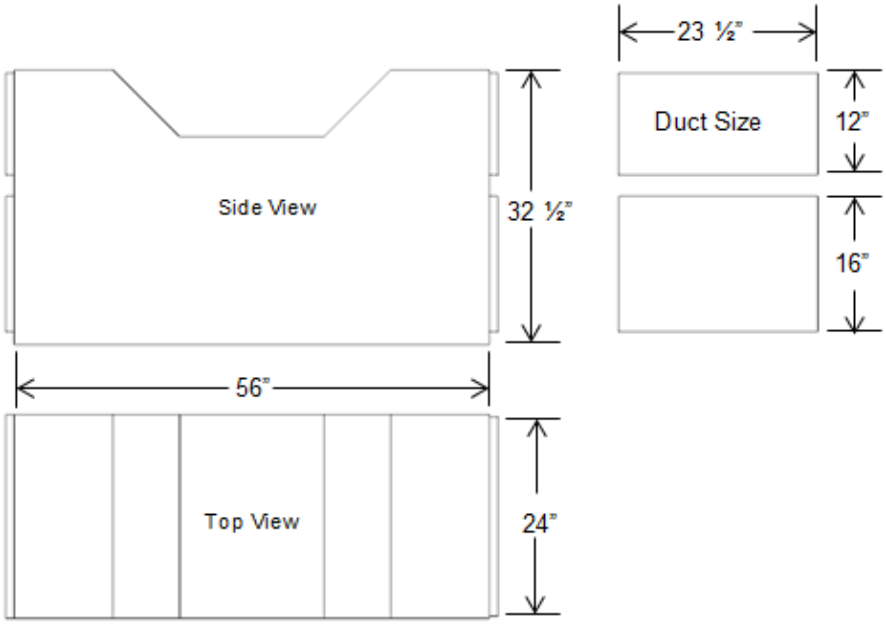
Building Performance Equipment, Inc.®

Sustainable, Reliable and Energy Efficient Ventilation Systems

BPE-XE-MIR 2000

SPECIFICATIONS

Model Number: BPE-XE-MIR 2000, Energy Recovery Module (ERM)				
Ventilation Type: Polymer Fixed Plate, Heat and Humidity Transfer				
Typical Air Flow Range: 500 to 2,250 cfm				
V	**Hz**	**Phase**	**Input Watts**	**FLA**
115	60	Single	990 @ 1868 cfm	4.76 each fan
Energy Efficiency Ratio (EER) - Summer = Btus/Watt = 35.4 (ARI 1060 at 95°F)				
Energy Efficiency Ratio (EER) - Winter = Btus/Watt = 82.4 (ARI 1060 at 10°F)				
Typical Fans: Fantech FKD-14, 990 Watts for two fans (NOTE: order fans separately)				
Shipping Dimensions: 70" x 48" x 28" (Elongated pallet)				
Weight: 290 lbs (Boxed on pallet), 202 lbs (ERM alone)				
Note: For use in conditions below -10^0 F and/or above 40% relative humidity, contact BPE for application assistance. Metal Galvanized Steel Shell with 1" R-6 Closed Cell Insulation.				



Manufacturer reserves the right to modify dimensions without notice.

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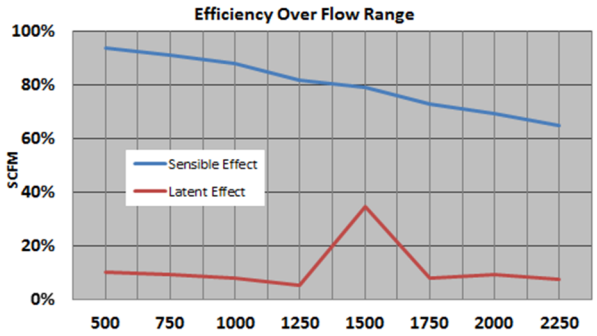
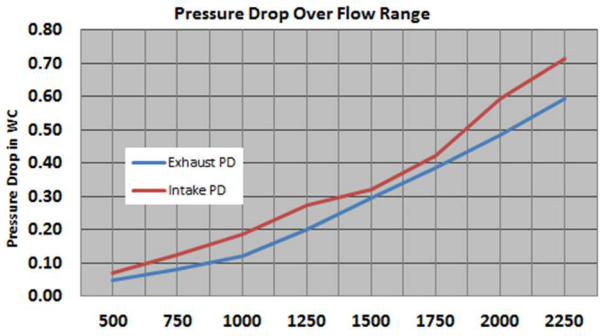
BPE Performance





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: