



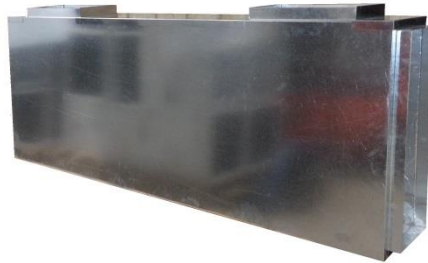
# Building Performance Equipment, Inc.®

Sustainable, Reliable and Energy Efficient Ventilation Systems



**BPE-XE-MIR-650-LA**

**Low Profile & Increased Efficiency**



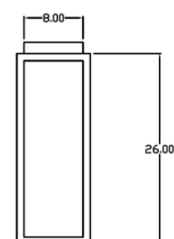
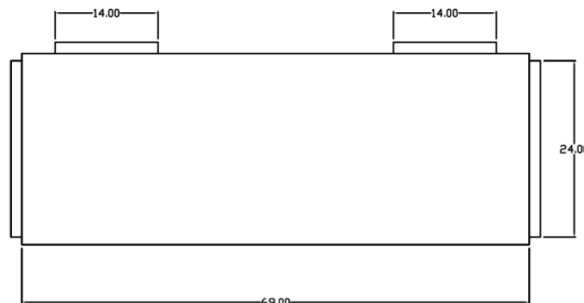
## SPECIFICATIONS

| <b>Model Number:</b> BPE-XE-MIR-650-LA, Energy Recovery Module (ERM)   |    |        |                   |               |
|--|----|--------|-------------------|---------------|
| <b>Ventilation Type:</b> Polymer Fixed Plate, Low Profile Heat and Humidity Transfer   |    |        |                   |               |
| <b>Typical Air Flow Range:</b> 300 to 650 cfm  |    |        |                   |               |
| V  | Hz | Phase  | Input Watts / fan | FLA           |
| 115  | 60 | Single | 248 @ 499 cfm     | 1.35 each fan |
| <b>Energy Efficiency Ratio (EER) - Summer</b> = BTUH/W = 31.53 (ARI 1060 at 95°F)  |    |        |                   |               |
| <b>Energy Efficiency Ratio (EER) - Winter</b> = BTUH/W = 75.67 (ARI 1060 at 10°F)  |    |        |                   |               |
| <b>Flame Rating:</b> ASTM E84 Flame Spread < 25  |    |        |                   |               |
| <b>Smoke Density</b> < 50  |    |        |                   |               |
| <b>Insulation:</b> R-6.0   |    |        |                   |               |
| <b>Typical Fans:</b> Fantech FKD-12, 329 Watts (NOTE: order fans separately)   |    |        |                   |               |
| <b>Shipping Dimensions:</b> 72" x 48" x 15" (boxed)  |    |        |                   |               |
| <b>Weight:</b> 153 lbs (Packaged), 98 lbs (ERM alone)  |    |        |                   |               |
| <b>Note:</b> 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. |    |        |                   |               |
| <b>Metal Galvanized Exterior with 1" Thick Rigid Insulation : R-6.5</b>  |    |        |                   |               |

Patents & Patents Pending – BPE ®



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



[www.BPEquip.com](http://www.BPEquip.com)

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



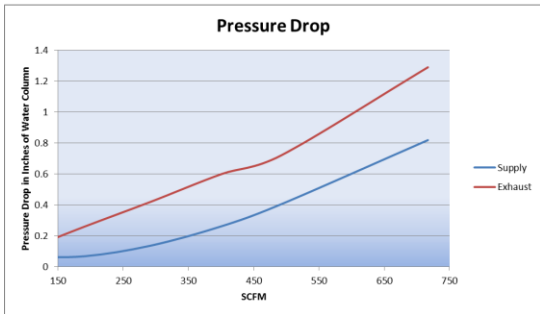
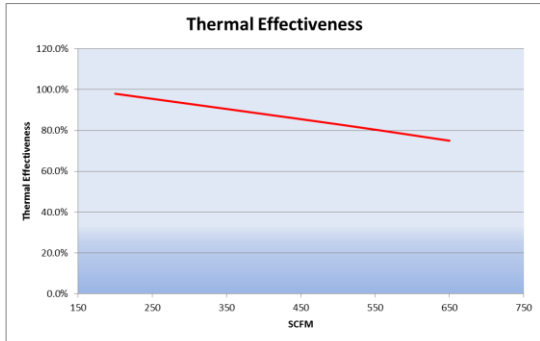
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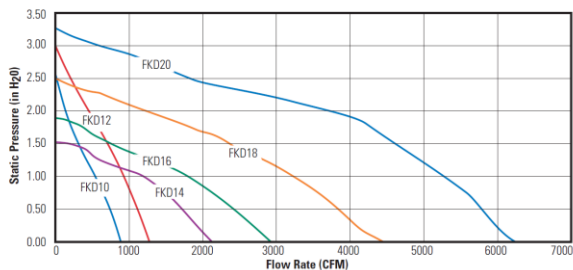
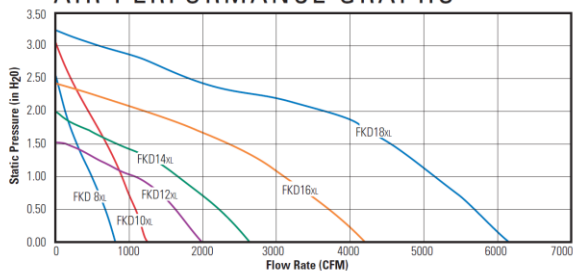
**Eco Air Anywhere®**

## BPE Performance



## Fantech Fans

### AIR PERFORMANCE GRAPHS



Fantech Fans are certified:



## ARI 1060 Testing

Project Name:

Location:

Application:

## Design Conditions

### Summer

Outdoor Air (FA)

|  |     |  |         |                         |                        |  |       |
|--|-----|--|---------|-------------------------|------------------------|--|-------|
|  | CFM |  | in W.C. |                         | °F DB                  |  | °F WB |
|  | CFM |  | in W.C. |                         | °F DB                  |  | °F WB |
|  |     |  |         | % Thermal Effectiveness | % Latent Effectiveness |  |       |

### Winter

Outdoor Air (FA)

|  |     |  |         |                         |                        |  |       |
|--|-----|--|---------|-------------------------|------------------------|--|-------|
|  | CFM |  | in W.C. |                         | °F DB                  |  | °F WB |
|  | CFM |  | in W.C. |                         | °F DB                  |  | °F WB |
|  |     |  |         | % Thermal Effectiveness | % Latent Effectiveness |  |       |

## Fan Sizing

|  |   |
|--|---|
|  | in W.C. - HX Outdoor Air (ΔP)               |
|  | in W.C. - HX Exhaust Air (ΔP)               |
|  | in W.C. - OA External Static Pressure (ESP) |
|  | in W.C. - EX External Static Pressure (ESP) |

## Fan Selections

Outdoor Air - Total Static Pressure (TSP)  in W.C.

Fan Model

FR / FKD

Fan Size

| Voltage/Phase | Amps/Hz | Max. Watts |
|---------------|---------|------------|
|               |         |            |

Manual Speed Controller

YES / NO

Describe Operating Controls

Exhaust Air - Total Static Pressure (TSP)  in W.C.

Fan Model

FR / FKD

Fan Size

| Voltage/Phase | Amps/Hz | Max. Watts |
|---------------|---------|------------|
|               |         |            |

Manual Speed Controller

YES / NO

Describe Operating Controls