

# LIFEBREATH<sup>®</sup> COMMERCIAL SERIES

Indoor Air Systems **HEAT OR ENERGY RECOVERY VENTILATORS**

## LIGHT DUTY HRVs

| Model          | Dimensions<br>H x W x D (in.) | Defrost<br>System      | Effectiveness @<br>0°C (32°F) | Nominal<br>Airflow @ 0.5 | # of Cores<br>/# of Passes | # of<br>Speeds | Voltage<br>VAC/Phase | Total<br>Amps | MCA/MOP | Filter MERV<br>Rating |
|----------------|-------------------------------|------------------------|-------------------------------|--------------------------|----------------------------|----------------|----------------------|---------------|---------|-----------------------|
| <b>350 DCS</b> | 18.75 x 49<br>x 28.25         | 5th Port<br>Damper     | 92%                           | 337                      | 4/2                        | 5              | 120/1                | 6.3           | 7.9/10  | 6                     |
| <b>455 FD</b>  | 28.75 x 33.25<br>x 29         | Supply Fan<br>Shutdown | 58%                           | 437                      | 2/1                        | 3              | 120/1                | 3.8           | 4.8/15  | 6                     |
| <b>455 DD</b>  | 28.75 x 33.25<br>x 29         | 5th Port<br>Damper     | 58%                           | 437                      | 2/1                        | 3              | 120/1                | 3.8           | 4.8/15  | 6                     |
| <b>650 FD</b>  | 24.75 x 54<br>x 42            | Supply Fan<br>Shutdown | 84%                           | 630                      | 6/2                        | 3              | 120/1                | 7.6           | 9.5/15  | 6                     |
| <b>650 DD</b>  | 24.75 x 54<br>x 42            | 5th Port<br>Damper     | 84%                           | 630                      | 6/2                        | 3              | 120/1                | 7.6           | 9.5/15  | 6                     |
| <b>700 FD</b>  | 32.25 x 33.25<br>x 29         | Supply Fan<br>Shutdown | 59%                           | 700                      | 2/1                        | 3              | 120/1                | 9             | 11.3/15 | 6                     |
| <b>700 DD</b>  | 32.25 x 33.25<br>x 29         | 5th Port<br>Damper     | 59%                           | 700                      | 2/1                        | 3              | 120/1                | 9             | 11.3/15 | 6                     |
| <b>1200 FD</b> | 32.25 x 33.25<br>x 42         | Supply Fan<br>Shutdown | 58%                           | 1200                     | 3/1                        | 3              | 120/1                | 18.8          | 23.5/30 | 6                     |
| <b>1200 DD</b> | 32.25 x 33.25<br>x 42         | 5th Port<br>Damper     | 58%                           | 1200                     | 3/1                        | 3              | 120/1                | 18.8          | 23.5/30 | 6                     |

## LIGHT DUTY HRVs (POOL)

| Model            | Dimensions<br>H x W x D (in.) | Defrost<br>System  | Effectiveness @<br>0°C (32°F) | Nominal<br>Airflow @ 0.5 | # of Cores<br>/# of Passes | # of<br>Speeds | Voltage<br>VAC/Phase | Total<br>Amps | MCA/MOP | Filter MERV<br>Rating |
|------------------|-------------------------------|--------------------|-------------------------------|--------------------------|----------------------------|----------------|----------------------|---------------|---------|-----------------------|
| <b>700 POOL</b>  | 32.25 x 33.25<br>x 29         | 5th Port<br>Damper | 59%                           | 700                      | 2/1                        | 3              | 120/1                | 9             | 22.5/15 | 6                     |
| <b>1200 POOL</b> | 32.25 x 33.25<br>x 42         | 5th Port<br>Damper | 58%                           | 1200                     | 3/1                        | 3              | 120/1                | 18.8          | 47.0/30 | 6                     |

## LIGHT DUTY ERVs

| Model           | Dimensions<br>H x W x D (in.) | Defrost<br>System      | Effectiveness @<br>0°C (32°F) | Nominal<br>Airflow @ 0.5 | # of Cores<br>/# of Passes | # of<br>Speeds | Voltage<br>VAC/Phase | Total<br>Amps | MCA/MOP | Filter MERV<br>Rating |
|-----------------|-------------------------------|------------------------|-------------------------------|--------------------------|----------------------------|----------------|----------------------|---------------|---------|-----------------------|
| <b>330 ERV</b>  | 28.25 x 34<br>x 18.37         | Supply Fan<br>Shutdown | 68%                           | 300                      | 1/1                        | 3              | 120/1                | 5.5           | 6.9/15  | 8                     |
| <b>530 ERV</b>  | 32.25 x 35.5<br>x 29          | Supply Fan<br>Shutdown | 72%                           | 600                      | 2/1                        | 2              | 120/1                | 9             | 11.3/15 | 8                     |
| <b>730 ERV</b>  | 32.25 x 35.5<br>x 29          | Supply Fan<br>Shutdown | 66%                           | 700                      | 2/1                        | 3              | 120/1                | 9             | 11.3/15 | 8                     |
| <b>1230 ERV</b> | 32.25 x 35.5<br>x 42          | Supply Fan<br>Shutdown | 61%                           | 1230                     | 3/1                        | 3              | 120/1                | 18.8          | 23.5/30 | 8                     |

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## HEAVY DUTY HRVs - INTERIOR

| Model                 | Dimensions<br>H x W x D (in.) | Defrost<br>System      | Effectiveness @<br>0°C (32°F) | Nominal<br>Airflow @ 0.1 | # of Cores<br>/# of Passes | # of<br>Speeds | Voltage<br>VAC/Phase | Total<br>Amps | MCA/MOP  | Filter MERV<br>Rating |
|-----------------------|-------------------------------|------------------------|-------------------------------|--------------------------|----------------------------|----------------|----------------------|---------------|----------|-----------------------|
| <b>1500I-ECM</b>      | 37 x 66.75<br>x 44            | Supply Fan<br>Shutdown | 65%                           | 1500                     | 6/1                        | 3              | 240/1                | 18.2          | 20.5/30  | 8                     |
| <b>2000 IFD-208SP</b> | 39 x 66.75<br>x 57            | Supply Fan<br>Shutdown | 65%                           | 2000                     | 8/1                        | 1              | 208/3                | 18.2          | 26/30    | 8                     |
| <b>2000 IFD-240SP</b> | 39 x 66.75<br>x 57            | Supply Fan<br>Shutdown | 65%                           | 2000                     | 8/1                        | 1              | 240/1                | 18            | 20.25/30 | 8                     |
| <b>2000 IFD-2083P</b> | 39 x 66.75<br>x 57            | Supply Fan<br>Shutdown | 65%                           | 2000                     | 8/1                        | 1              | 208/3                | 5.9           | 14.75/20 | 8                     |
| <b>2000 IFD-4603P</b> | 39 x 66.75<br>x 57            | Supply Fan<br>Shutdown | 65%                           | 2000                     | 8/1                        | 1              | 460/3                | 5.2           | 6.5/8    | 8                     |
| <b>2000 IFD-5753P</b> | 39 x 66.75<br>x 57            | Supply Fan<br>Shutdown | 65%                           | 2000                     | 8/1                        | 1              | 575/3                | 4             | 4.5/6    | 8                     |

## HEAVY DUTY HRVs - EXTERIOR

| Model                 | Dimensions<br>H x W x D (in.) | Defrost<br>System      | Effectiveness @<br>0°C (32°F) | Nominal<br>Airflow @ 0.1 | # of Cores<br>/# of Passes | # of<br>Speeds | Voltage<br>VAC/Phase | Total<br>Amps | MCA/MOP  | Filter MERV<br>Rating |
|-----------------------|-------------------------------|------------------------|-------------------------------|--------------------------|----------------------------|----------------|----------------------|---------------|----------|-----------------------|
| <b>1500E-ECM</b>      | 41 x 69.50<br>x 46.50         | Supply Fan<br>Shutdown | 65%                           | 1500                     | 6/1                        | 3              | 240/1                | 18.2          | 45.5/30  | 6                     |
| <b>2000 EFD-208SP</b> | 43 x 69.50<br>x 57.25         | Supply Fan<br>Shutdown | 65%                           | 2000                     | 8/1                        | 1              | 208/1                | 18.2          | 26/30    | 6                     |
| <b>2000 EFD-240SP</b> | 43 x 69.50<br>x 57.25         | Supply Fan<br>Shutdown | 65%                           | 2000                     | 8/1                        | 1              | 240/1                | 18.2          | 20.25/30 | 8                     |
| <b>2000 EFD-2083P</b> | 43 x 69.50<br>x 57.25         | Supply Fan<br>Shutdown | 65%                           | 2000                     | 8/1                        | 1              | 208/3                | 5.9           | 14.75/20 | 8                     |
| <b>2000 EFD-4603P</b> | 43 x 69.50<br>x 57.25         | Supply Fan<br>Shutdown | 65%                           | 2000                     | 8/1                        | 1              | 460/3                | 5.2           | 6.5/8    | 8                     |
| <b>2000 EFD-5753P</b> | 43 x 69.50<br>x 57.25         | Supply Fan<br>Shutdown | 65%                           | 2000                     | 8/1                        | 1              | 575/3                | 4             | 4.5/6    | 8                     |

## HEAVY DUTY ERVs - INTERIOR

| Model                    | Dimensions<br>H x W x D (in.) | Defrost<br>System      | Effectiveness @<br>0°C (32°F) | Nominal<br>Airflow @ 0.1 | # of Cores<br>/# of Passes | # of<br>Speeds | Voltage<br>VAC/Phase | Total<br>Amps | MCA/MOP | Filter MERV<br>Rating |
|--------------------------|-------------------------------|------------------------|-------------------------------|--------------------------|----------------------------|----------------|----------------------|---------------|---------|-----------------------|
| <b>2500ERV-IFD-208SP</b> | 51 x 92.5<br>x 40.9           | Supply Fan<br>Shutdown | 58%                           | 2250                     | 1/1                        | 3              | 208/1                | 16.2          | 18.7/20 | 8                     |
| <b>2500ERV-IFD-240SP</b> | 51 x 92.5<br>x 40.9           | Supply Fan<br>Shutdown | 58%                           | 2250                     | 1/1                        | 3              | 240/1                | 10.2          | 11.4/20 | 8                     |

## HEAVY DUTY ERVs - EXTERIOR

| Model                    | Dimensions<br>H x W x D (in.) | Defrost<br>System      | Effectiveness @<br>0°C (32°F) | Nominal<br>Airflow @ 0.1 | # of Cores<br>/# of Passes | # of<br>Speeds | Voltage<br>VAC/Phase | Total<br>Amps | MCA/MOP | Filter MERV<br>Rating |
|--------------------------|-------------------------------|------------------------|-------------------------------|--------------------------|----------------------------|----------------|----------------------|---------------|---------|-----------------------|
| <b>2500ERV-EFD-208SP</b> | 41 x 92.5<br>x 40.9           | Supply Fan<br>Shutdown | 58%                           | 2500                     | 1/1                        | 3              | 240/1                | 10.2          | 25.5/15 | 8                     |
| <b>2500ERV-EFD-240SP</b> | 41 x 92.5<br>x 40.9           | Supply Fan<br>Shutdown | 58%                           | 2500                     | 1/1                        | 3              | 208/1                | 10.2          | 25.5/15 | 8                     |