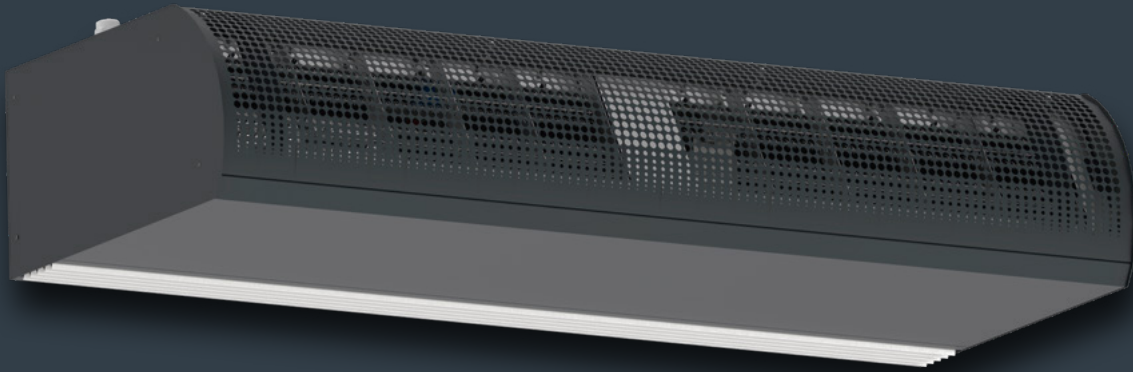


# PHVX Series.

A powerful solution for high-velocity applications.



Robust and reliable, Thermoscreens PHVX Air Curtains are designed for exposed doorways that require higher than normal air velocity. Perfect for hotels, airports and commercial buildings, they will provide extremely efficient climate separation for doorways up to 15ft (4.5m). Available in sizes from 3ft to 6ft (0.9m to 1.8m).

#### Sizes (Width)

3ft, 4ft, 5ft, 6ft /  
0.9m, 1.2m, 1.5m, 1.8m

#### Mounting Height

Up to 15ft / 4.5m

#### Colour

7016 Grey Anthracite  
(RAL colour matching available)

#### Warranty

2 years (Parts Only)

## Key features.



Water



Electric



Ambient



EC

- A powerful solution for exposed doorways
- Ambient, water or electric heated
- Surface or recessed mounted
- Suitable for mounting height up to 15ft (4.5m)
- Ecopower energy saving controls
- BMS ready
- Last man switch friendly
- Powerful, efficient airflow
- Directionally adjustable outlet grille
- Surface or recessed mounted
- High-efficiency heating element (electric)



Thermoscreens certifies that the PHVX shown herein is licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to airflow rate, average outlet velocity, outlet velocity uniformity, velocity projection and power rating at free delivery only.



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



## Metric

### Ambient Surface Mounted

Model	Electrical Supply (V/ph/Hz)	Max Rated Electrical Power Input (kW)	Motor Input Power (kW)	Motor Type	Max Rated Current (A)	Air Volume (m3/h)	Heating Output (kW)	Outlet Velocity Uniformity (%)	Average Outlet Vel. (m/s)	Weight (kg)	Noise Level (dB(A)@3m)**
PHVX3A	208/1/60	0.8	0.35	2@0.5hp	3.3	2600	--	80	6.5	82	69.0
PHVX4A	208/1/60	0.7	0.5	2@0.5hp	4.9	3100	--	65	5.8	92	73.5
PHVX5A	208/1/60	1.3	0.65	3@0.5hp	5.2	4500	--	76	6.7	114	74.3
PHVX6A	208/1/60	1.3	0.96	3@0.5hp	5.2	5200	--	66	6.5	125	77.3

### Ambient Recessed

Model	Electrical Supply (V/ph/Hz)	Max Rated Electrical Power Input (kW)	Motor Input Power (kW)	Motor Type	Max Rated Current (A)	Air Volume (m3/h)	Heating Output (kW)	Outlet Velocity Uniformity (%)	Average Outlet Vel. (m/s)	Weight (kg)	Noise Level (dB(A)@3m)**
PHVX3AR	208/1/60	0.8	0.35	2@0.5hp	3.3	2600	--	82	6.5	86	69.0
PHVX4AR	208/1/60	0.7	0.5	2@0.5hp	4.9	3100	--	65	5.8	100	73.5
PHVX5AR	208/1/60	1.3	0.65	3@0.5hp	5.2	4500	--	78	6.7	122	74.3
PHVX6AR	208/1/60	1.3	0.96	3@0.5hp	5.2	5200	--	69	6.5	136	77.3

### Water Surface Mounted

Model	Electrical Supply (V/ph/Hz)	Max Rated Electrical Power Input (kW)	Motor Input Power (kW)	Motor Type	Max Rated Current (A)	Air Volume (m3/h)	Heating Output (kW)	Outlet Velocity Uniformity (%)	Average Outlet Vel. (m/s)	Weight (kg)	Noise Level (dB(A)@3m)**
PHVX3W	208/1/60	0.8	0.35	2@0.5hp	3.3	2600	18.9	81	6.5	90	69.0
PHVX4W	208/1/60	0.7	0.5	2@0.5hp	4.9	3100	24.7	66	5.8	95	73.5
PHVX5W	208/1/60	1.3	0.65	3@0.5hp	5.2	4500	34.7	75	6.7	116	74.3
PHVX6W	208/1/60	1.3	0.96	3@0.5hp	5.2	5200	41.4	67	6.5	127	77.3

### Water Recessed

Model	Electrical Supply (V/ph/Hz)	Max Rated Electrical Power Input (kW)	Motor Input Power (kW)	Motor Type	Max Rated Current (A)	Air Volume (m3/h)	Heating Output (kW)	Outlet Velocity Uniformity (%)	Average Outlet Vel. (m/s)	Weight (kg)	Noise Level (dB(A)@3m)**
PHVX3WR	208/1/60	0.8	0.35	2@0.5hp	3.3	2600	18.9	82	6.5	96	69.0
PHVX4WR	208/1/60	0.7	0.5	2@0.5hp	4.9	3100	24.7	67	5.8	102	73.5
PHVX5WR	208/1/60	1.3	0.65	3@0.5hp	5.2	4500	34.7	76	6.7	124	74.3
PHVX6WR	208/1/60	1.3	0.96	3@0.5hp	5.2	5200	41.4	69	6.5	138	77.3



## Metric

### Electric Surface Mounted

Model	Electrical Supply (V/ph/Hz)	Max Rated Electrical Power Input (kW)	Motor Input Power (kW)	Motor Type	Max Rated Current (A)	Air Volume (m <sup>3</sup> /h)	Heating Output (kW)	Outlet Velocity Uniformity (%)	Average Outlet Vel. (m/s)	Weight (kg)	Noise Level (dB(A)@3m)**
<b>208 Volt</b>											
PHVX3E208	208/3/60	14.8	0.35	2@0.5hp	42.2	2600	14	83	6.5	91	69.0
PHVX4E208	208/3/60	14.7	0.5	2@0.5hp	43.8	3100	14	64	5.8	95	73.5
PHVX5E208	208/3/60*	29.3	0.65	3@0.5hp	83.0	4500	28	75	6.7	116	74.3
PHVX6E208	208/3/60*	29.3	0.96	3@0.5hp	83.0	5200	28	64	6.5	127	77.3
<b>480 Volt</b>											
PHVX3E480	480/3/60	14.4	0.35	2@0.5hp	18.4	2600	14	83	6.5	91	69.0
PHVX4E480	480/3/60	14.3	0.5	2@0.5hp	19.1	3100	14	64	5.8	95	73.5
PHVX5E480	480/3/60	28.5	0.65	3@0.5hp	36.2	4500	28	75	6.7	116	74.3
PHVX6E480	480/3/60	28.6	0.96	3@0.5hp	36.2	5200	28	64	6.5	127	77.3
<b>600 Volt</b>											
PHVX3E600	600/3/60	14.3	0.35	2@0.5hp	14.8	2600	14	83	6.5	91	69.0
PHVX4E600	600/3/60	14.3	0.5	2@0.5hp	15.6	3100	14	64	5.8	95	73.5
PHVX5E600	600/3/60	28.5	0.65	3@0.5hp	29.0	4500	28	75	6.7	116	74.3
PHVX6E600	600/3/60	28.5	0.96	3@0.5hp	29.0	5200	28	64	6.5	127	77.3

\* This unit needs to use two external supplies of the same voltage.

\*\* Theoretical sound pressure based on a room of a volume of 296m<sup>3</sup> and reverberation time of 1.0s with the unit source at 3m. If installation differs from this considerations sound pressure value will need to be recalculated.

### Electric Recessed

Model	Electrical Supply (V/ph/Hz)	Max Rated Electrical Power Input (kW)	Motor Input Power (kW)	Motor Type	Max Rated Current (A)	Air Volume (m <sup>3</sup> /h)	Heating Output (kW)	Outlet Velocity Uniformity (%)	Average Outlet Vel. (m/s)	Weight (kg)	Noise Level (dB(A)@3m)**
<b>208 Volt</b>											
PHVX3E208R	208/3/60	14.8	0.35	2@0.5hp	42.2	2600	14	81	6.5	96	69.0
PHVX4E208R	208/3/60	14.7	0.5	2@0.5hp	43.8	3100	14	64	5.8	102	73.5
PHVX5E208R	208/3/60*	29.3	0.65	3@0.5hp	83.0	4500	28	77	6.7	124	74.3
PHVX6E208R	208/3/60*	29.3	0.96	3@0.5hp	83.0	5200	28	68	6.5	138	77.3
<b>480 Volt</b>											
PHVX3E480R	480/3/60	14.4	0.35	2@0.5hp	18.4	2600	14	81	6.5	96	69.0
PHVX4E480R	480/3/60	14.3	0.5	2@0.5hp	19.1	3100	14	64	5.8	102	73.5
PHVX5E480R	480/3/60	28.6	0.65	3@0.5hp	36.2	4500	28	77	6.7	124	74.3
PHVX6E480R	480/3/60	28.6	0.96	3@0.5hp	36.2	5200	28	68	6.5	138	77.3
<b>600 Volt</b>											
PHVX3E600R	600/3/60	14.3	0.35	2@0.5hp	14.8	2600	14	81	6.5	96	69.0
PHVX4E600R	600/3/60	14.3	0.5	2@0.5hp	15.4	3100	14	64	5.8	102	73.5
PHVX5E600R	600/3/60	28.5	0.65	3@0.5hp	29.0	4500	28	77	6.7	124	74.3
PHVX6E600R	600/3/60	28.5	0.96	3@0.5hp	29.0	5200	28	68	6.5	138	77.3

\* This units needs to use two external supplies of the same voltage.

\*\* Theoretical sound pressure based on a room of a volume of 296m<sup>3</sup> and reverberation time of 1.0s with the unit source at 3 m. If installation differs from this considerations sound pressure value will need to be recalculated.



## Imperial

### Ambient Surface Mounted

Model	Electrical Supply (V/ph/Hz)	Max Rated Electrical Power Input (kW)	Motor Input Power (kW)	Motor Type	Max Rated Current (A)	Air Volume (cfm)	Heating Output (Btu/h)	Outlet Velocity Uniformity (%)	Average Outlet Vel. (fpm)	Weight (lbs)	Noise Level (dB(A)@3m)**
PHVX3A	208/1/60	0.8	0.35	2@0.5hp	3.3	1530	--	80	1282	181	69.0
PHVX4A	208/1/60	0.7	0.5	2@0.5hp	4.9	1825	--	65	1145	203	73.5
PHVX5A	208/1/60	1.3	0.65	3@0.5hp	5.2	2649	--	76	1329	251	74.3
PHVX6A	208/1/60	1.3	0.96	3@0.5hp	5.2	3060	--	66	1279	276	77.3

### Ambient Recessed

Model	Electrical Supply (V/ph/Hz)	Max Rated Electrical Power Input (kW)	Motor Input Power (kW)	Motor Type	Max Rated Current (A)	Air Volume (cfm)	Heating Output (Btu/h)	Outlet Velocity Uniformity (%)	Average Outlet Vel. (fpm)	Weight (lbs)	Noise Level (dB(A)@3m)**
PHVX3AR	208/1/60	0.8	0.35	2@0.5hp	3.3	1530	--	82	1282	190	69.0
PHVX4AR	208/1/60	0.7	0.5	2@0.5hp	4.9	1825	--	65	1145	220	73.5
PHVX5AR	208/1/60	1.3	0.65	3@0.5hp	5.2	2649	--	78	1329	269	74.3
PHVX6AR	208/1/60	1.3	0.96	3@0.5hp	5.2	3060	--	69	1279	300	77.3

### Water Surface Mounted

Model	Electrical Supply (V/ph/Hz)	Max Rated Electrical Power Input (kW)	Motor Input Power (kW)	Motor Type	Max Rated Current (A)	Air Volume (cfm)	Heating Output (Btu/h)	Outlet Velocity Uniformity (%)	Average Outlet Vel. (fpm)	Weight (lbs)	Noise Level (dB(A)@3m)**
PHVX3W	208/1/60	0.8	0.35	2@0.5hp	3.3	1530	112.6	81	1282	198	69.0
PHVX4W	208/1/60	0.7	0.5	2@0.5hp	4.9	1825	129.6	66	1145	209	73.5
PHVX5W	208/1/60	1.3	0.65	3@0.5hp	5.2	2649	214.9	75	1329	256	74.3
PHVX6W	208/1/60	1.3	0.96	3@0.5hp	5.2	3060	221.8	67	1279	280	77.3

### Water Recessed

Model	Electrical Supply (V/ph/Hz)	Max Rated Electrical Power Input (kW)	Motor Input Power (kW)	Motor Type	Max Rated Current (A)	Air Volume (cfm)	Heating Output (Btu/h)	Outlet Velocity Uniformity (%)	Average Outlet Vel. (fpm)	Weight (lbs)	Noise Level (dB(A)@3m)**
PHVX3WR	208/1/60	0.8	0.35	2@0.5hp	3.3	1530	112.6	82	1282	212	69.0
PHVX4WR	208/1/60	0.7	0.5	2@0.5hp	4.9	1825	129.6	67	1145	225	73.5
PHVX5WR	208/1/60	1.3	0.65	3@0.5hp	5.2	2649	214.9	76	1329	273	74.3
PHVX6WR	208/1/60	1.3	0.96	3@0.5hp	5.2	3060	221.8	69	1279	304	77.3



## Imperial

### Electric Surface Mounted

Model	Electrical Supply (V/ph/Hz)	Max Rated Electrical Power Input (kW)	Motor Input Power (kW)	Motor Type	Max Rated Current (A)	Air Volume (cfm)	Heating Output (Btu/h)	Outlet Velocity Uniformity (%)	Average Outlet Vel. (fpm)	Weight (lbs)	Noise Level (dB(A)@3m)**
<b>208 Volt</b>											
PHVX3E208	208/3/60	15.0	0.35	2@0.5hp	43.8	1530	47.8	83	1282	201	69.0
PHVX4E208	208/3/60	15.0	0.5	2@0.5hp	43.8	1825	47.8	64	1145	209	73.5
PHVX5E208	208/3/60*	29.5	0.65	3@0.5hp	82.7	2649	95.5	75	1329	256	74.3
PHVX6E208	208/3/60*	29.5	0.96	3@0.5hp	82.7	3060	95.5	64	1279	280	77.3
<b>480 Volt</b>											
PHVX3E480	480/3/60	15.0	0.35	2@0.5hp	18.9	1530	47.8	83	1282	201	69.0
PHVX4E480	480/3/60	15.0	0.5	2@0.5hp	18.9	1825	47.8	64	1145	209	73.5
PHVX5E480	480/3/60	29.5	0.65	3@0.5hp	36.8	2649	95.5	75	1329	256	74.3
PHVX6E480	480/3/60	29.5	0.96	3@0.5hp	36.8	3060	95.5	64	1279	280	77.3
<b>600 Volt</b>											
PHVX3E600	600/3/60	15.0	0.35	2@0.5hp	15.1	1530	47.8	83	1282	201	69.0
PHVX4E600	600/3/60	15.0	0.5	2@0.5hp	15.1	1825	47.8	64	1145	209	73.5
PHVX5E600	600/3/60	29.5	0.65	3@0.5hp	29.4	2649	95.5	75	1329	256	74.3
PHVX6E600	600/3/60	29.5	0.96	3@0.5hp	29.4	3060	95.5	64	1279	280	77.3

\* This unit needs to use two external supplies of the same voltage.

\*\* Theoretical sound pressure based on a room of a volume of 10383ft<sup>3</sup> and reverberation time of 1.0s with the unit source at 9.8ft.

If installation differs from this considerations sound pressure value will need to be recalculated.

### Electric Recessed

Model	Electrical Supply (V/ph/Hz)	Max Rated Electrical Power Input (kW)	Motor Input Power (kW)	Motor Type	Max Rated Current (A)	Air Volume (cfm)	Heating Output (Btu/h)	Outlet Velocity Uniformity (%)	Average Outlet Vel. (fpm)	Weight (lbs)	Noise Level (dB(A)@3m)**
<b>208 Volt</b>											
PHVX3E208R	208/3/60	15.0	0.35	2@0.5hp	43.8	1530	47.8	81	1282	212	69.0
PHVX4E208R	208/3/60	15.0	0.5	2@0.5hp	43.8	1825	47.8	64	1145	225	73.5
PHVX5E208R	208/3/60*	29.5	0.65	3@0.5hp	82.7	2649	95.5	77	1329	273	74.3
PHVX6E208R	208/3/60*	29.5	0.96	3@0.5hp	82.7	3060	95.5	68	1279	304	77.3
<b>480 Volt</b>											
PHVX3E480R	480/3/60	15.0	0.35	2@0.5hp	18.9	1530	47.8	81	1282	212	69.0
PHVX4E480R	480/3/60	15.0	0.5	2@0.5hp	18.9	1825	47.8	64	1145	225	73.5
PHVX5E480R	480/3/60	29.5	0.65	3@0.5hp	36.8	2649	95.5	77	1329	273	74.3
PHVX6E480R	480/3/60	29.5	0.96	3@0.5hp	36.8	3060	95.5	68	1279	304	77.3
<b>600 Volt</b>											
PHVX3E600R	600/3/60	15.0	0.35	2@0.5hp	15.1	1530	47.8	81	1282	212	69.0
PHVX4E600R	600/3/60	15.0	0.5	2@0.5hp	15.1	1825	47.8	64	1145	225	73.5
PHVX5E600R	600/3/60	29.5	0.65	3@0.5hp	29.4	2649	95.5	77	1329	273	74.3
PHVX6E600R	600/3/60	29.5	0.96	3@0.5hp	29.4	3060	95.5	68	1279	304	77.3

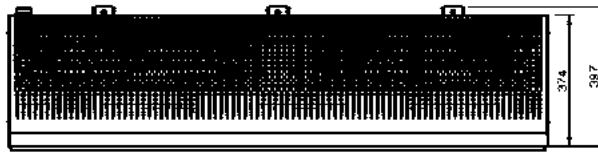
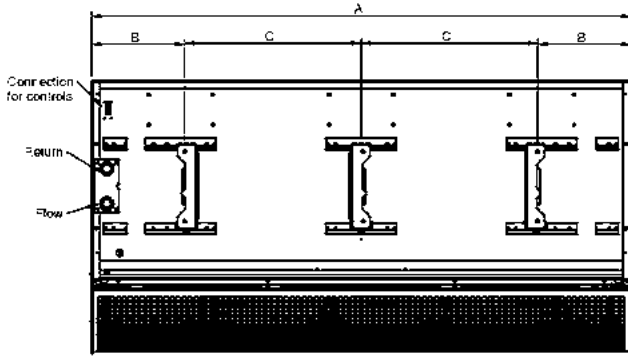
\* This unit needs to use two external supplies of the same voltage.

\*\* Theoretical sound pressure based on a room of a volume of 10383ft<sup>3</sup> and reverberation time of 1.0s with the unit source at 9.8ft.

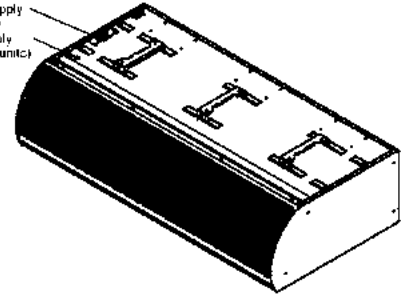
If installation differs from this considerations sound pressure value will need to be recalculated.



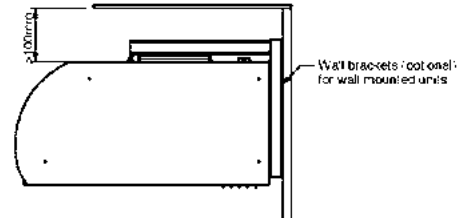
### Surface Mounted



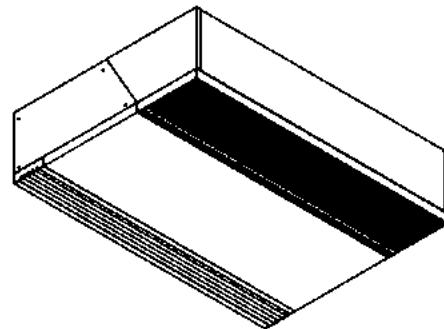
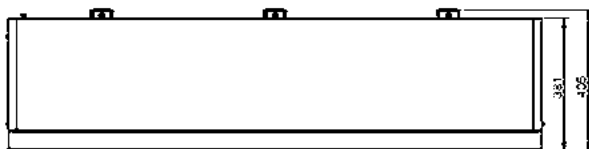
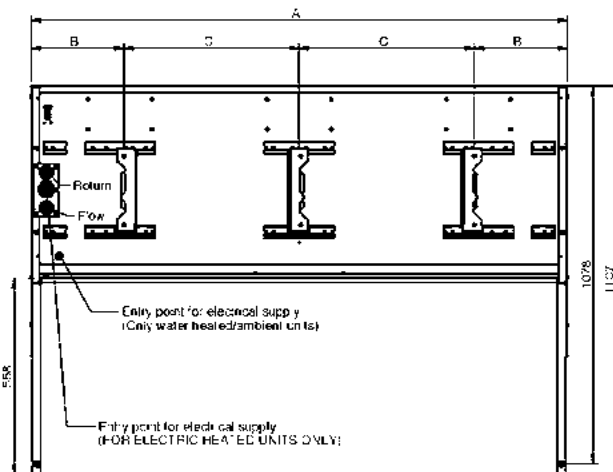
Entry point for electrical supply  
(Only electric heated units)  
Entry point for electrical supply  
(Only water heated/ambient units)



MODEL	A	B	C	Brackets	Drop rod
PHVX3E/A/W	913	265	--	2	4
PHVX4E/A/W	1222	265	--	2	4
PHVX5E/A/W	1531	265	500	3	6
PIVX6E/A/W	1840	265	750	3	6



### Recessed



MODEL	A	B	C	Brackets	Rod drops
PHVX3E/A/W	913	265	--	2	4
PIVX4E/A/W	1222	265	--	2	4
PHVX5E/A/W	1531	265	500	3	6
PHVX6E/A/W	1840	265	750	3	6



## Velocity Projection

### Velocity Projection: Model PHVX5A

Distance from nozzle (in)	44.2	122.9	201.7
Core Velocity (fpm)	1106	925	720
Uniformity (%)	95	96	96

### Velocity Projection: Model PHVX5E

Distance from nozzle (in)	44	123	202
Core Velocity (fpm)	1421	1008	827
Uniformity (%)	95	96	96

### Velocity Projection: Model PHVX5W

Distance from nozzle (in)	44	123	202
Core Velocity (fpm)	1339	827	748
Uniformity (%)	93	96	92

### Velocity Projection: Model PHVX5AR

Distance from nozzle (in)	44	123	202
Core Velocity (fpm)	1272	807	571
Uniformity (%)	90	96	93

### Velocity Projection: Model PHVX5ER

Distance from nozzle (in)	44	123	202
Core Velocity (fpm)	1421	1008	827
Uniformity (%)	95	96	96

### Velocity Projection: Model PHVX5WR

Distance from nozzle (in)	44	123	202
Core Velocity (fpm)	1339	906	669
Uniformity (%)	88	96	91

## Your environment is our expertise.

Thermoscreens were one of the pioneers of modern air curtain technology, and we remain at the forefront of its evolution today. Our sales team work hand-in-hand with an international network of distributors, providing solutions to customers of all types and sizes, in more than 50 countries. Across the globe, our name is synonymous with the highest quality standards; our products renowned for their energy efficiency, reliability and ease of use.

