Perma Tech, Inc.

"Your Single Source for ALL Your Loading Dock Needs"

PermaAIR Curtain - Entry Door

Exterior Openings up to 10' high - Interior Openings up to 11' high

PermaAIR curtain is designed for climate control in high-traffic areas, including commercial buildings, restaurants, and retail stores.

- ♦ One-piece 18 Gauge 304 Stainless Steel cabinet with perforated stainless steel intake screen

- ♦ Two-Speed, Heavy Duty Direct Drive Motors - 1/2 HP 1075 rpm with galvanized blower wheels

- ♦ Plenum design promotes maximum air flow uniformity while reducing air curtain noise levels

- ♦ Adjustable air flow directional vanes deflect air stream +/-20 degrees

- ♦ 1/2" Cleanable, Foam Filters are optional

- ♦ Pre-wired, fully assembled, and fully tested at the factory

- ♦ Includes rear mounting holes for wall mounting and 3/8" threaded inserts on top for threaded rod suspension

- ♦ Heating elements are mounted inside the plenum, protected from dust and extending heater life span

- ♦ Sound level: High speed: 53 dBA / Low speed: 51 dBA (Measured 10 ft. from unit in a free field based on a 1 motor unit)

Sales & Service:

PermaAIR Curtain - PED

Climate Control Entry Door

The quiet, highly-uniform PED series ensures consistent, comfortable air flow that increases customer and employee satisfaction. The PED series is available in unheated and electric heated models to ensure a climate-controlled environment. Stainless steel cabinets fit into the decor of any commercial application.

Recommended Controls and Options:

Remote Mounted High/Off/Low Switch
Commercial Magnetic Door Switch
Time Delay Thermostat (if electrically heated)

PermaAIR Curtain Model #	PED 1-36	PED 1-42	PED 1-48	PED 2-60	PED 2-72	PED 2-84	PED 2-96	PED 3-108	PED 3-120	PED 3-132	PED 4-144	PED 4-168
Nozzle Width (In)	36	42	48	60	72	84	96	108	118	133	145	168
Max. FPM @ Nozzle	1904	1904	1904	1904	1904	1904	1904	1904	1904	1904	1904	1904
Average FPM	1570	1346	1178	1413	1570	1346	1178	1570	1421	1178	1570	1346
Max FPM	1309	1527	1745	2332	2618	3054	3490	3928	4364	4950	5236	6108
CFM@ Nozzle	1005	1079	1094	1084	2159	2093	2170	3239	3230	3247	4318	4186
Outlet Velocity Uniformity	95%	93%	92%	95%	95%	93%	92%	92%	95%	95%	95%	93%
No. of Motors	1	1	1	2	2	2	2	3	3	3	4	4
Motor HP	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Heater Kilowatts	10	10	10	15	20	20	20	30	30	30	40	40
Temp Rise Degrees	H 29 L 33	H 29 L 33	H 29 L 33	H 29 L 33	H 29 L 33	H 29 L 33	H 29 L 33	H 29 L 33	H 29 L 33	H 29 L 33	H 29 L 33	H 29 L 33
Weight - Unheated	83	90	97	140	162	182	196	239	267	276	324	364
Weight - Heated	84	95	102	150	172	192	206	244	272	285	344	385

Single Phase Motor Voltage Available:

- 120 (2.5 amps per motor)
- 208/240 (1.4 amps per motor)
- 480 (0.7 amps per motor)