



# Perma Tech, Inc.

*"Your Single Source for ALL Your Loading Dock Needs"*

## PermaAIR Curtain - Loading Dock

*Exterior Openings up to 10' and Interior Openings up to 12' high*



PermaAIR curtain complements our complete line of dock seals & shelters to seal gaps when the loading dock services a wide range of fleet traffic.

*Sales & Service:*

- ◆ One-piece 18 Gauge 304 Stainless Steel Cabinet
- ◆ Heavy Duty Direct Drive Motors - 3/4 HP - 1630 rpm with Galvanized Blower Wheels - Two Speed Optional
- ◆ 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: 63 dBA (Measured 10 ft. from unit in a free field based on a 1 motor unit)



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# PermaAIR Curtain - PLD series

## Loading Dock Area Climate Control

The PLD Loading Dock air curtain is ideal for preventing unwanted air infiltration through loading dock, high speed, exterior doors, as well as used for interior building separation. This air curtain is designed to stop cold or warm air from entering your climate-controlled environment. The PLD air curtain has stainless steel cabinet and intake screen, allowing it to fit in almost any industrial or commercial application. It is available in both unheated and electrically heated styles.

### Recommended Controls and Options:

Industrial Auto Door Switch  
 Time Delay Relay  
 Remote Mounted Thermostat (if electronically heated)

PERMA AIR Curtain	PLD	PLD	PLD	PLD	PLD	PLD	PLD	PLD	PLD	PLD	PLD	PLD
Model #	1-36	1-42	1-48	2-60	2-72	2-84	2-96	3-108	3-120	3-132	4-144	4-168
Nozzle Width (In)	36	42	48	60	72	84	96	108	118	133	145	168
Max. FPM @ Nozzle	4218	4218	4218	4218	4218	4218	4218	4218	4218	4218	4218	4218
Average CPM	3695	3169	2771	3315	3696	3169	2773	3702	3174	2792	3696	3169
Max CFM	2899	3384	3867	5050	5803	6766	7732	8702	9668	10853	11606	13532
CFM@ Nozzle	2541	2632	2559	3812	5082	5063	5081	7623	7514	7589	10164	10126
Outlet Velocity Uniformity	95%	93%	92%	94%	95%	93%	92%	95%	94%	94%	95%	93%
No. of Motors	1	1	1	2	2	2	2	3	3	3	4	4
Motor HP	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Heater Kilowatts	10	10	10	15	20	20	20	30	30	30	40	40
Temp Rise -	H 13 L 19	H 13 L 19	H 13 L 19	H 13 L 19	H 13 L 19	H 13 L 19	H 13 L 19	H 13 L 19	H 13 L 19	H 13 L 19	H 13 L 19	H 13 L 19
Weight - Unheated	90	97	104	147	169	187	203	245	274	290	338	375
Heated	95	102	109	155	177	195	210	255	284	301	354	390

### Single Phase Motor Voltage Available:

- ◆ 120 (8.0 amps/motor)
- ◆ 208/240 (3.6 amps/motor)
- ◆ 480 (2.0 amps/motor)