



**Perma Tech, Inc.**

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

## PermaAIR Curtain - Extra Tall Industrial Door

*Exterior and Interior Openings up to 20' high*



- ◆ One-piece 16 Gauge Stainless Steel Cabinet with 11 Gauge Structural Supports
- ◆ Perforated Stainless Steel Intake Screen
- ◆ Totally Enclosed TEAO Motors - Direct Drive - 5 HP - 1160 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
- ◆ NEMA 12 Control Panel with Magnetic Motor Starter, Overload Relays, and Control Transformer Included
- ◆ Pre-wired, fully assembled, and fully tested at the factory
- ◆ Top and bottom access panels for easy maintenance and cleaning
- ◆ For optimal insect and climate control, mount the air curtain on the inside or conditioned side.
- ◆ Sound level: 71 dBA (measured 10 ft. from unit in a free field base on a one motor unit).

*Sales & Service:*



Perma Tech Inc. | 363 Hamburg Street | Buffalo, NY 14204

TF: (800) 362-7325 | F: (716) 854-0774 | [PermaTechInc.com](http://PermaTechInc.com)

# PermaAIR Curtain - PTD series

## *Extra Tall Industrial Door*

Extra Tall Industrial Door air curtains are designed for large openings including overhead doors, ground level doors, and large openings within industrial facilities. Totally enclosed air over, direct-drive motors create an invisible barrier of air to prevent conditioned air from escaping while protecting the opening from exterior elements (temperature, insects, dust, dirt, smoke, odor, debris, etc).

### Recommended Controls and Options:

Industrial Magnetic Door Switch  
 Panel Mounted Hand/OFF/Auto Switch  
 Time Delay Relay

PermaAIR Curtain	PTD	PTD	PTD	PTD	PTD	PTD	PTD	PTD	PTD	PTD	PTD	PTD
Model #	1-48	1-60	1-72	2-96	2-108	2-120	2-132	2-144	3-156	3-168	3-192	3-216
Nozzle Width (In)	48	60	72	96	108	120	132	144	156	168	192	216
Max. FPM @ Nozzle	6572	6572	6572	6572	6572	6572	6572	6572	6572	6572	6572	6572
Average FPM	5499	4358	5128	4842	4600	4358	4842	4842	4681	4520	4842	4600
CFM@ Nozzle	6305	7480	9256	12977	13769	15750	16120	19168	20257	22825	23335	24570
Outlet Velocity Uniformity	95%	94%	94%	95%	94%	94%	95%	95%	94%	94%	95%	95%
No. of Motors	1	1	1	2	2	2	2	2	3	3	3	3
Motor HP	5	5	5	5	5	5	5	5	5	5	5	5
Weight	387	420	440	748	781	814	834	854	1145	1180	1227	1268

Single Phase Motor Voltage Available:

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

