

# LIDDELL

## D U S T C O L L E C T I O N

### **PJB (Pulse Jet Bag) Central Dust Collector Systems:**

- High volume, high pressure reverse pulse jet air cleaning system with a 99.9 percent cleaning efficiency with no moisture outlet content at a 8" design static pressure drop.
- Heavy duty blower system includes a TEFC motor with sheaves, belts and safety guard on all models except the PJB-785, which is direct drive.
- Single compartment with hinged top for easy access to filter area.
- 6" diameter polyester, polypropylene filter bags w/ felt finish are treated to ensure exceptional release characteristics. Steel cage frames are included.
- Air pressure manifold with solenoid valves.
- Minihelic gauge for visual inspection of filter media, tells you when bags are clogged.
- Safety features include a safety ladder with climbers device from base to housing top, handrails and toe boards on housing top.
- Safety access deck with handrails and toe boards for the blower unit and entry door.
- Frame is constructed of heavy duty tubular steel.
- Housing is constructed of 10 gauge steel with (2) dust inlets.
- Hopper with inspection door and air vibrator.
- 8" "Bray" butterfly discharge valve with actuator and solenoid.
- Adjustable solid state (digital) control panel for duration and cycle times of air pulse.
- Nema 4 enclosure for motor starters and disconnect.
- Wired and tested prior to shipment.
- All equipment is treated with a zinc primer and painted with polyester polyurethane paint.



**937-747-4300**

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# LIDDELL DUST COLLECTION

Please refer to the following chart for individual model specifications.

	<b>PJB-785</b>	<b>PJB-1100</b>	<b>PJB-1500</b>	<b>PJB-1800</b>	<b>PJB-2075</b>	<b>PJB-2450</b>
Blower H.P.	15	15	20	25	25	30
CFM / Normal						
Air Capacity	5000	6700	8200	11,000	12,000	15,000
1" Solenoids	5	7	8	8	11	11
Bag Number	50	70	96	96	132	130
Bag Size (Diameter x Length)	6"x120"	6"x120"	6"x120"	6"x144"	6"x120"	6"x144"
Cloth Filtration						
Area / Square Ft.	785	1100	1500	1800	2000	2450
Air to Cloth Ratio (ACFM/Sq. Ft.)	6.3	5.91	6.3	6.08	6.03	6.12
Outlet Area - Square Foot	1.91	2.29	2.85	4.19	4.19	5.17
Outlet Velocity - FPS	43.6	47.3	52.63	43.75	49.72	48.36
Main Housing, Length	4'-0"	5'-2"	6'-1.1/2"	6'-1.1/2"	10'-0"	8'-0"
Main Housing, Width	7'-7"	8'-6"	10'-0"	10'-0"	11'-0"	10'-0"
Main Housing, Height	19'-7.1/8"	20'-9.1/4"	20'-10"	23'-2.1/2"	21'-10.1/2"	23'-8"
Approximate, Weight	5,800	6,200	6,800	8,600	9,500	10,000

Note: Dimensions given are approximate for collectors with standard accessories only.

\* Altitude will have a direct effect on the collectors performance. Blower size is based on a maximum altitude of 3000 ft. The blower unit will need to be resized with higher altitudes, resulting in additional cost. Please call the factory.

## OPTIONS

**Back-In Shrouds**  
**Drive-Thru Shrouds / 1-Way**  
**Drive-Thru Shrouds / 2-Way**

**7.1/2 H.P. Automatic Recycle System**  
**10 H.P. Automatic Recycle System**

**3" Return Line**

**14" Charge Point Ducting Package**  
**16" Charge Point Ducting Package**  
**8" Silo Ducting Packages**  
**Cement Batcher Ducting Package**

**14" Single Blast Gate**  
**16" Single Blast Gate**

**14" Double Blast Gate**  
**16" Double Blast Gate**



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