



SPECIFICATIONS FOR PORTABLE SELF CONTAINED VACUUM UNIT

PMD 850 SERIES

Component / Trailer Mounted

PMD 850 G (Component)

PMD 850 GT (Trailer Mounted)

- **25 HP Gasoline** Electric Start Kohler Engine
- **550 CFM Vacuum Pump** capable of 15 inches of mercury (Utilizes a "one piece" steel lobe & shaft design)
- 800 Gallon debris tank with Hydraulic Lift Dump
- Hydraulically Operated Full Open Rear Door
- Hydraulically Locked Rear Door
- 33' feet of 3" inch light weight smooth bore rubber Suction Hose (industrial rated)
- Two 3" inch light weight dielectric Suction Wands (4' & 6')
- Empty weight of unit 3,100 lbs (With out trailer)



PMD 850 D (Component)

PMD 850 DT (Trailer Mounted)

- **36 HP Yanmar** water cooled diesel engine
- **550 CFM Vacuum Pump** capable of 15 inches of mercury (Utilizes a "one piece" steel lobe & shaft design)
- 800 Gallon debris tank with Hydraulic Lift Dump
- Hydraulically Operated Full Open Rear Door
- Hydraulically Locked Rear Door
- 33' feet of 3" inch light weight smooth bore rubber Suction Hose (industrial rated)
- Two 3" inch light weight dielectric Suction Wands (4' & 6')
- Empty weight of unit 3,400 lbs (With out trailer)



PMD 850 SD (Component)

PMD 850 SDT (Trailer Mounted)

- **49 HP Yanmar** water cooled diesel engine
- **1000 CFM Vacuum Pump** capable of 15 inches of mercury (Utilizes a "one piece" steel lobe & shaft design)
- 800 Gallon debris tank with Hydraulic Lift Dump
- Hydraulically Operated Full Open Rear Door
- Hydraulically Locked Rear Door
- 33' feet of 3" inch light weight smooth bore rubber Suction Hose (industrial rated)
- Two 3" inch light weight dielectric Suction Wands (4' & 6')
- Empty weight of unit 3,500 lbs (With out trailer)



GENERAL:

- Lockable Curbside Remote Controls
- Hydraulic Pump and Hydraulic Cylinder with Remote Controls to raise tank 60 degrees
- 6" inch Brass Rear Discharge Valve
- 6" Inch stainless steel Portal Shut-off in top of Vacuum Tank
- Suction hose storage located under trailer deck (trailer mounted units only)
- 30 Gallon Fuel Tank with fuel gauge located in curbside control panel
- 6" Inch Amber Strobe with Two adjustable Halogen Work Lights mounted at rear of tank
- All controls and tools mounted at rear of unit for ease of operation
- (2) DOT safety cones with lockable stand
- OSHA Certified
- Battery with nation wide warranty
- One year limited parts warranty
- Six month limited labor warranty

ENGINE ENCLOSURE:

- Fully enclosed and insulated to eliminate noise and vibration using 2/3 open cell attenuation material.
- All components attached to an isolation plate that is mounted within the engine enclosure using isolation mounts.
- All four sides of engine enclosure are removable for ease of maintenance and service.
- All service points for engine, water pump, and vacuum pump are accessible from curbside.
- Silencer for Vacuum Pump (Mounted within the enclosure and not to exceed 80 DBA at full performance)
- Engine and silencer are exhausted through the bottom of the engine enclosure.
- High Pressure Water Pump to be Completely Inside Enclosure

FILTRATION:

- Bag House (**Big Red**) - with 100 square feet filtration media, combined with 10-gallon water trap.
- Filtration cylinders are washable and removable.
- WET or DRY industrial filters rated at **5:1 air cloth ratio and grain loading of 30-g/acf using 0.5-micron silica dust emissions of .0060 g/acf.**

WATER:

- 4000 PSI Water Pump powered by same engine
- Electric clutch with on/off control and low water automatic shut-down
- 325 Gallon Poly Water Tank plumbed to high pressure pump
- 50 Foot of high pressure hose rated at 4000 PSI
- Manual locking hose reel
- 5' Foot Roto Wand and Control handle
- 3' Foot variable Nozzle Wand for clean up
- 8 Gallon semi-automatic antifreeze system

CONTROL PANEL:

- Water proof and lockable
- Mounted at the rear/curbside in Operators Station for easy operation
- Vacuum pressure gauge
- Fuel gauge
- Key switch
- Electronic throttle switch
- Water pump switch
- Lights and DOT strobe controls
- Volt Meter
- Hour meter
- Fuses for water pump and electronic choke
- Pressure gauge (diesel only)
- Water temperature gauge (diesel only)

TANK:

- Full Open Rear Door
- Hydraulically Opened and Locked Rear Door, with push button controls
- UHMW Tank liner on bottom of debris tank
- 6" inch Brass Rear discharge valve with dust cap
- Large 6" inch stainless steel Portal Shut-off (stops vacuum when debris tank is full)

TRAILER:

- Empty weight is 3,475 lbs (pounds)
- Dual "DEXTER" easy lube axles with "Slipper Springs" rates at 10,000 lbs each
- GVWR at 20,000 lbs
- 5' Foot by 15' foot, 3/16" inch Diamond Plated Steel Deck
- Pintle Hitch
- Electric brakes on both axles, with safety break away
- 8 - LT235/85R16 tires and 8 lug wheels
- 10,000 lbs Jack Stand with Spring Loaded Foot and Extended Side Crank Handle

PAINT:

- All steel components to be sand blasted, primed with 2 coats of 2 part epoxy primer and 2 top coats of polyurethane in the color **SAFETY** yellow

BOOM: (Optional)

- 4" Pickup Hose
- 6 Way Movement
- Completely Self-Contained
- Powered In/Out/Up/Down
- Safe Tank Mounted Nesting Area
- 360 Degree Movement

DIMENSIONS:

- Component:
Length= 148" Width=34" Height=75"
- Trailer Mounted :
Length=260" Width=82" Height=106"