

CM-4500XL Machine System

UPDATED DESIGN with LARGER HOPPERS!

Welcome to the “Big Dog” CM-4500XL series machines! Starting with the CM-4500XL-S, which combines a **large (125 ft.³) hopper, high speed production** into a **simple machine** that can do-it-all. The optional $\varnothing 12'' \times 24''$ ($\varnothing 30.5 \text{ cm} \times 61 \text{ cm}$) oversized airlock feeder and 10 h.p. positive displacement (P.D.) blower provides the ‘punch’ to knock-out the big jobs.

Wall Spray? Our CM-4500XL-VP is waiting, so bring it on!!! With either a 5 h.p. or 10 h.p. (P.D.) Vac-Pack Recovery System, it streamlines the spray process and reduce labor costs.

“Big” dry hopper (91 ft.³ [2.58 m³] / 20 bags cellulose) allows operator to leave the truck for long durations assisting with duties inside the structure.

“Fast” vacuum speeds (10 h.p. P.D. Vac-Pack system) fills the large capacity (26.5 ft.³ [0.75 m³]) recycle hopper quickly...allowing vacuum operator ample time to scrub walls.

“Simple” dual slide gate controls for recycle and dry in a single, compact machine provide a fast, accurate application of dry blended fibers into the wall; while conserving space inside your vehicle.

Our ‘**integrated recycle technology**’ precisely controls the introduction of dry and recycle fiber in a separate metering hopper. This process significantly increases speed of application and decreases moisture. These features allow the contractor to reduce labor while allowing the spray nozzle to run non-stop.

The “Big Dog” CM-4500XL is “THE” solution to increase profits on large, demanding jobs.



*Machine Shown
with Options

[CM-4500XL-VP]

Production Rate:

<u>Material</u>	<u>Production Rate</u>	<u>*w/ Airlock Upgrade</u>
Cellulose	4500 lbs/hr (2041 kg/hr)	5400 lbs/hr (2449 kg/hr)
Fiberglass	1800 lbs/hr (817 kg/hr)	2400 lbs/hr (1089 kg/hr)
Rockwool	2200 lbs/hr (998 kg/hr)	2700 lbs/hr (1225 kg/hr)
Wall Spray	40 bags/hr.	

*optional 12"x24" airlock & 10 h.p. P.D. Blower

Optimal Performance with ‘ALL’ Fibers

CM-4500XL-S 'Standard'



*Machine Shown
with Options

Specifications:

Weight: 2,470 lbs (1120 kg) - 5 hp PD Blower
2,620 lbs (1188 kg) - 10 hp PD Blower)

Dimensions (LxWxH):
129" x 35" x 89" (328 cm x 89 cm x 226 cm)

Hopper Capacity: 125 ft.³ (3.54 m³)
(20 stacked bags cellulose/6 bags fiberglass)

Airlock Options (Ø x Long):
Ø12" x 20" (Ø30.5cm x 50.8cm)
Ø12" x 24" (Ø30.5cm x 61cm)

Drive Motors: 3 hp

PD Blower Options:
5 hp/3L: 165 cfm, 6.0 psi (280 m³/hr, 414 mbar)
10 hp/4L: 280 cfm, 6.0 psi (476 m³/hr, 414 mbar)

Power Requirements (US):
240 volt, 30 amp. 1-phase (5 hp PD Blower)
480 volt, 20 amp. 3-phase (10 hp PD Blower)

Power Requirements (Export/CE):
380 volt, 20 amp. 3-phase (5 hp PD Blower)
380 volt, 40 amp. 3-phase (10 hp PD Blower)

Additional Machine Options:

- Wireless Remote Packages
- CE conformity for export

Features & Benefits



Large capacity hopper.
28 bags stacked

Low profile 'scalping
augers' with 'cyclonic
action' provide positive
fiber feeding with no
bridging in hopper.



"High speed" stainless
'turbo' shredder maximizes
conditioning, coverage, and
production.

Dual stainless feed gates
allow for accurate feeding
control of fibers.



External blower filter for
easy maintenance and
observation.

Increased access to blower
module to assist in routine
maintenance.



Machine Accessories



Hose Reels



Hoses &
Fittings



Spray
Equipment



Generators



Wall
Scrubbers



Gas & Electric
Vacuums

Questions? Call us at 419-232-4871

CM-4500XL-VP 'Vac Pack'



*Machine Shown with Options

Features & Benefits

New Compact Vac-Pack System with reusable air screen filters provide improved performance and reliability.

Low profile 'scalping augers' with 'cyclonic action' provide positive fiber feeding with no bridging in hopper.



"High speed" stainless 'turbo' shredder maximizes conditioning, coverage, and production.



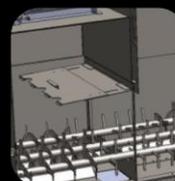
Dual stainless feed gate controls for individual control of dry and recycle fibers.



Recycle Level Sensor provides automatic shut-off of vacuum when hopper is full.



'Lift-N-Lock' Hopper Divider for quick conversion to full hopper production speeds.



Specifications:

Weight: 3,445 lbs (1563 kg) - Dual 5 hp PD Blower
3,745 lbs (1699 kg) - Dual 10 hp PD Blower

Dimensions (LxWxH):
130" x 36" x 89" (330cm x 91.5cm x 226cm)

Recycle Hopper Capacity:
26.5 ft.³ (0.75 m³), Ø4" (Ø10.2 cm) hose input

Dry Hopper Capacity: 91 ft.³ (2.58 m³)
Blower/Vacuum Options:
Dual 5 hp/3L Blowers: 165 cfm, 6.0 psi (280 m³/hr, 414 mbar)
Dual 10 hp/4L Blowers: 280 cfm, 6.0 psi (476 m³/hr, 414 mbar)

Power Requirements (US):
50 amp./240 volts, single phase (5 h.p. PD Blowers)
40 amp./480 volts, three phase (10 h.p. PD Blowers)

Power Requirements (Export/CE):
30 amp, 380 volts, three phase (5 h.p. PD Blowers)
50 amp, 380 volts, three phase (10 h.p. PD Blowers)

Generator Options:
18 Kw 1 phase or larger (5 hp PD Blowers)
25 Kw 3 phase PTO generator (10 hp PD Blowers)
45 Kw gen-set (10 hp PD Blowers)

Additional Machine Options:

- Wireless Remote Packages
- CE conformity for export

Wall Spray Accessories



Training



Hoses & Fittings



Spray Nozzles



Water Pumps



Wall Scrubbers



Water Tanks

Optimal Performance with 'ALL' Fibers

Decision Making between the Options...

Blower Comparisons:



5 h.p. Advantages: Large hopper with grid power

Economical with low power requirements. Includes 5 h.p. TEFC motor, 3L size blower, 165 cfm (280 m³/hr) P.D. (positive displacement blower). Provides adequate air supply for standard production airlock (Ø12" x 20" [Ø30.5cm x 50.8cm]) up to 200 ft. (61 m) range. Lower power requirements than the 10 h.p. Blower(s).

10 h.p. Advantages: Fast speeds with long range

Recommended for high production airlock (Ø12" x 24" [Ø30.5cm x 61cm]) up to 300 ft. (91.44m) range and fast vacuum speeds. Includes 10 h.p. TEFC motor, 4L size blower, 280 cfm (476 m³/hr) P.D. (positive displacement blower.) Higher power requirements than the 5 h.p. Blower(s).



Vac-Hood vs. Vac-Pack Technology

Our industry currently uses three methods for recovery and use of recycle fiber.

1.) Manual transfer of recycle with buckets or barrels from a multi-level structure back to a manually loaded machine. (time consuming and labor intensive requiring and extra laborer).



2.) Vac-Hood (CM1500VH & CM2400VH Only)

- **Advantages:** Economical with low power requirements. [16 h.p Gas vacuum or larger recommended] Added Gas Vacuum offers a 'dual' purpose machine used for wall cavity recycle or can be deployed to a separate job location for attic insulation removal, while the Insulation Machine completes other jobs.
- **Disadvantages:** 'moderate' speed transfer of recycle. High maintenance and fuel operating costs. Additional set-up time needed on each job. No auto-shut-off of vacuum when recycle hopper is full. Sensor alarm system warning for recycle hopper 'full' condition.

3.) Vac-Pack: Dual 5 h.p. - Grid Power

Dual 10 h.p. - 3 Phase Generator

- **Advantages:** Our proprietary technology with air separator by-pass system, offers a low maintenance, positive suction vacuum system with 'no' slow down in production. The 10 h.p. P.D. vacuum provides 'rapid fill' of recycle with auto shut-off feature to allow time for wall scrubbing process. High efficiency primary and secondary filters needs serviced once a day. Recycle discharges into neutral pressure hopper with no resulting air surges. Sealed hopper design eliminates dust in vehicle. This system offers a fast smooth spraying application while minimizing set-up time and maximizing endurance of system.
- **Disadvantages:** increased power requirements for electric P.D. vacuum. Dedicated recycle function with 'no' dual purpose machine for attic insulation removal.



Also see our Truck and Trailer Systems Brochure

Rev. 6.2020