

Cool Machines Inc.

Fiber Machines - Cutting Edge Cool

Available at  **NetZeroTools**
www.netzerotools.com

Insulation Removal Vacuums



Models Left to Right: 11hp Gas, 16hp Gas, 22hp Gas, 23hp Gas, 27hp Gas, 40hp Gas, 25hp Diesel, 7.5hp Electric, 10hp Electric, 20hp Electric

The Next Generation of Vacuums

Our full line of rugged, powerful vacuums offer a choice for any application with any budget.

Our new & improved vacuums are more durable and maintenance free than ever.

An industry first: Our AR-500 steel fan blades offer 3x's the wear life compared to the competition. Combined with our proprietary 'Vacuum Saver' design (optional), objects are removed from the fiber 'before' causing catastrophic damage to the impeller fan, chamber, and engine.

Our vacuums are portable, versatile, and high production to reduce labor time and increase profitability. These multi-purpose vacuums can be used for attic insulation and batt removal, wall spray recycle recovery, foam-vac processing, and more

Grow your business and increase profits by offering more services.

- Insulation removal & air sealing package can offer the homeowner as much as 30% to 40% energy savings.
- Older attic insulation (due to moisture, pest control issues and odors), needs to be removed and replaced.
- Wall spray fiber intended for recycling can be conveyed directly to your spray machine for reuse.



Cool Vacuums are Different:

AR-500 abrasion resistant ¼" (0.64cm) thick impeller blades and turbo-sonic 'FC' designed blade, creates tip turbulence eliminating wet fiber accumulation on blade and chamber. Solid robotic welds and precision dynamic balancing provide a smooth running blade with minimal wear to engine bearings insuring extended life and safety for the operator. Reinforcing blade structure on our large diameter fans for increased strength and durability.

Our chambers feature heavy duty ¼" (0.64cm) AR-400 abrasion resistant armor plate which triples the life of the chamber.

The industry's highest rated, heavy duty, wet/dry Vacuums with **Cutting Edge Cool** design features.

Gasoline Vacuum

11 h.p. Gas-Vac

(Entry Level, Intermittent use)

Performance Data:

Vac Strength: 19 "WC (0.047 bar)
Airflow: 2500 CFM (4248 m³/h)



- **Weight:**
Manual Start: 204 lbs. (92.5kg)
Electric Start: 227 lbs. (103kg)
- **Dimensions (LxWxH):**
30" x 28" x 38" (76.2cm x 71.1cm x 96.5cm)
- **Engine:** Briggs OHV Dura-lube™, 1650 Series I/C cast iron sleeve, 1.725 gallon tank, low level oil shutdown [manual pull start or electric]
- **Fan Housing:**
¼" (0.64cm) AR-500 steel fan x ¼" (0.64cm) AR-400 steel chamber.
- **Blade Diameter:**
3" x Ø18" (7.62cm x Ø45.7cm)
- r.p.m. / hour meter
- **Engine Warranty:** 1 year commercial
- 6" (15.25cm) dia. Inlet and Exhaust
- 10" (25.4cm) dia. Run-Flat Wheels

Electric Vacuum

7.5 h.p. E-Vac

(Medium ft² jobs, Frequent)



- **Weight:** 170 lbs. (77.1 kg)
240 lbs. (109 kg) w/ Saver Cover
- **Dimensions (LxWxH):**
30" x 28" x 38" (76.2cm x 71.1cm x 96.5cm)
- **Motor:** 7.5 h.p. electric
- **Power Requirements:**
US: 240 volt, 1 phase, 20 amp grid power
or 480 volt, 3 phase, 10 amp grid power
or 12kw 3-Phase generator
Export: 380 volt, 3 phase, 12 amp grid power
- **Fan Housing:**
¼" (0.64cm) AR-500 steel fan x ¼" (0.64cm) AR-400 steel chamber
- **Blade Diameter:**
3" x Ø20" (7.62cm x Ø 50.8cm)
- comparable to 16 h.p. gas vacuum
- Adjustable fan speed for control of various applications
- 6" (15.25cm) dia. Inlet and Exhaust
- 10" (25.4cm) dia. Run-Flat Wheels

Performance Data:
Vac Strength: 25 "WC (0.062 bar)
Airflow: 3200 CFM (5437 m³/h)

⚡ ⚡ ⬆ ⚡ ⚡ Electric comparable to Gas ⛔ ⛔ ⬇ ⛔ ⛔

Gasoline Vacuum

16 h.p. Gas-Vac

(Medium ft² jobs, Frequent use)



- **Weight:** 250 lbs. (113.4 kg) | 320 lbs. (146 kg) w/ Saver Cover
- **Dimensions (LxWxH):** 33" x 28" x 38" (76.2cm x 71.1cm x 96.5cm)
- **Engine:** Briggs "Vanguard" V-twin OHV, 2.25 gallon tank, positive pressure lubrication, oil pressure shutdown switch. [electric start]
- **Fan Housing:**
¼" (0.64cm) AR-500 steel fan x ¼" (0.64cm) AR-400 steel chamber
- **Blade Diameter:**
3" x Ø20" (7.62cm x Ø 50.8cm)
- r.p.m. / hour meter
- **Engine Warranty:** 3 year commercial
- 6" (15.25cm) dia. Inlet and Exhaust
- 10" (25.4cm) dia. Run-Flat Wheels
- Electric start with included 12 volt battery
- Integrated engine block cooling air filter.

Performance Data:
Vac Strength: 25 "WC (0.062 bar)
Airflow: 3200 CFM (5437 m³/h)

Optional Foam-Vac Attachment

Use with Cool electric vacuums or 11hp, 16hp, 22hp, or 23hp Cool gas vacuums (be sure to have adequate ventilation!) and quickly remove those spray foam trimmings!



Electric Vacuum



10 h.p. E-Vac

(Medium ft² jobs, Frequent use)

Performance Data:

Vac Strength: 27 "WC (0.067 bar)
Airflow: 3600 CFM (6116 m³/h)

- **Weight:** 205 lbs. (93 kg)
275 lbs. (125 kg) w/ Saver Cover
- **Dimensions (LxWxH):**
30" x 28" x 38" (76.2cm x 71.1cm x 96.5cm)
- **Motor:** 10 h.p. electric
- **Power Requirements:**
US: 240 volt, 1 phase, 30 amp grid power or
480 volt, 3 phase, 15 amp grid power or
18kw 3-Phase generator
Export: 380 volt, 3 phase, 20 amp grid power or
18kw 3-Phase generator
- **Fan Housing:**
¼" (0.64cm) AR-500 steel fan x ¼" (0.64cm) AR-400 steel chamber
- **Blade Diameter:**
4" x Ø20" (10.16cm x 50.8cm) - comparable to 23 h.p. gas vacuum
- Adjustable fan speed for control of various applications
- 6" (15.25cm) dia. Inlet and Exhaust
- 10" (25.4cm) dia. Run-Flat Wheels

⚡ ⚡ ↑ ⚡ ⚡ Electric comparable to Gas ⛛ ⛛ ↓ ⛛ ⛛

Gasoline Vacuum

22 h.p. Gas-Vac

(Large ft² jobs/high production, Frequent use)



Performance Data:

Vac Strength: 27 "WC (0.067 bar)
Airflow: 3600 CFM (6116 m³/h)

- **Weight:** 373 lbs. (169.2 kg)
443 lbs. (201 kg) w/ Saver Cover
- **Dimensions (LxWxH):**
46" x 33" x 44" (116.8cm x 83.8cm x 112cm)
- **Engine:** Honda GX690, 8 gallon (30.3L) tank, positive pressure lubrication, oil pressure shutdown switch. [electric start]
- **Fan Housing:**
¼" (0.64cm) AR-500 steel fan x ¼" (0.64cm) AR-400 steel chamber.
- **Blade Diameter:**
4" x Ø20" (10.16cm x 50.8cm) Diameter
r.p.m. / hour meter
- **Engine Warranty:** 3 year commercial
- 6" (15.25cm) dia. Inlet and Exhaust
- 10" (25.4cm) dia. Run-Flat Wheels
- Electric start with included 12 volt battery

23 h.p. Gas-Vac

(Large ft² jobs/high production, Frequent use)



Performance Data:

Vac Strength: 27 "WC (0.067 bar)
Airflow: 3600 CFM (6116 m³/h)

- **Weight:** 358 lbs. (162.4 kg)
428 lbs. (195 kg) w/ Saver Cover
- **Dimensions (LxWxH):**
46" x 33" x 44" (116.8cm x 83.8cm x 112cm)
- **Engine:** Briggs "Vanguard" V-twin OHV, 8 gallon (30.3L) tank, positive pressure lubrication, oil pressure shutdown switch. [electric start]
- **Fan Housing:**
¼" (0.64cm) AR-500 steel fan x ¼" (0.64cm) AR-400 steel chamber.
- **Blade Diameter:**
4" x Ø20" (10.16cm x 50.8cm) Diameter
r.p.m. / hour meter
- **Engine Warranty:** 3 year commercial
- 6" (15.25cm) dia. Inlet and Exhaust
- 10" (25.4cm) dia. Run-Flat Wheels
- Electric start with included 12 volt battery

Recoil Air Filter is standard on 16 h.p. and 23 h.p. models 'Oversized Surface Area' allows generous cooling air and reduces fiber build-up around engine.

Electric Vacuum



20 h.p. E-Vac

(Large ft² jobs/high production, Frequent use)

Performance Data:
Vac Strength: 30" WC (0.075 bar)
Airflow: 4000 CFM (6796 m³/h)

- **Weight:** 793 lbs. (359.7 kg)
878 lbs. (399 kg) w/ Saver Cover
- **Dimensions (LxWxH):**
46" x 35" x 51"
(116.8cm x 88.9cm x 129.5cm)
- **Motor:** 20 h.p. electric
- **Power Requirements:**
US: 480 volt, 3 phase, 30 amp grid power or
240 volt, 1 phase, 60 amp grid power
CE: 400 volt, 3 phase, 30 amp grid power
- **Fan Housing:**
¼" (0.64cm) AR-500 steel fan x ½"
(0.64cm) AR-400 steel chamber
- **Blade Diameter:**
4" x Ø22" (10.16cm x 55.9cm)
- Adjustable fan speed for control of various applications
- 8" (20.32cm) dia. Inlet and Outlet
- 10" (25.4cm) dia. Run-Flat Wheels

⚡ ⚡ ↑ ⚡ ⚡ Electric comparable to Gas ⛛ ⛛ ↓ ⛛ ⛛

Gasoline Vacuum



27 h.p. Gas-Vac

(Large ft² jobs/high production, Frequent use)

Performance Data:
Vac Strength: 30" WC (0.075 bar)
Airflow: 4000 CFM (6796 m³/h)

- **Weight:** 519 lbs. (235.4 kg)
604 lbs. (274 kg) w/ Saver Cover
- **Dimensions (LxWxH):**
46" x 35" x 44"
(116.8cm x 88.9cm x 111.8cm)
- **Engine:** Briggs "Vanguard" V-twin OHV, 8 gallon tank (30.3L), positive pressure lubrication, oil pressure shutdown switch, electric start
- Electric start with included 12 volt battery
- **Fan Housing:**
¼" (0.64cm) AR-500 steel fan x ½"
(0.64cm) AR-400 steel chamber.
- **Blade Diameter:**
4" x Ø22" (10.16cm x 55.9cm) Diameter
- r.p.m. / hour meter
- **Engine Warranty:** 3 year commercial
- 8" (20.32cm) dia. Inlet and Outlet
- 10" (25.4cm) dia. Run-Flat Wheels

Questions? Call us at (877) 801-5693

Gasoline Vacuum

40 h.p. Gas-Vac

(Large ft² jobs/high production,
Frequent use)



- Electric start with included 12 volt battery
- Belt Driven Fan Blade.

- **Weight:** 750 lbs. (341 kg)
835 lbs. (379 kg) w/ Saver Cover
- **Dimensions (LxWxH):**
48" x 44" x 50" (122cm x 112cm x 127cm)
- **Engine:** Briggs "Vanguard" V-twin OHV, 8 gallon tank (30.3L), positive pressure lubrication, oil pressure shutdown switch, electric start, Electronic Fuel Injected (EFI).
- **Fan Housing:** ¼" (0.64cm) AR-500 steel fan x ½" (1.27 cm) AR-400 steel chamber
- **Blade Diameter:**
4" x Ø24" (10.16cm x Ø60.96cm)
- r.p.m. / hour meter
- **Engine Warranty:** 3 year commercial
- Ø8" (20.32cm) Inlet and Ø8" (20.32cm) Outlet
- Ø10" (25.4cm) Run-Flat Wheels

Performance Data:
Vac Strength: 35 "WC (0.087 bar)
Airflow: 5000 CFM (8495 m³/h)

Diesel Vacuum

25 h.p. Diesel-Vac

(Large ft² jobs/high production,
Frequent use)



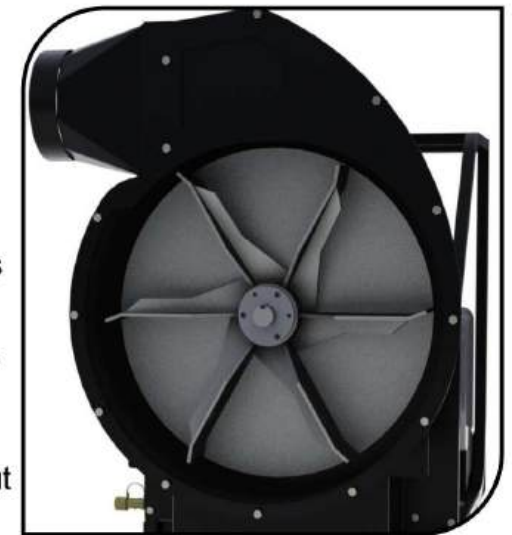
- **Weight:** 1150 lbs. (522 kg)
1235 lbs. (561 kg) w/ Saver Cover
- **Dimensions (LxWxH):**
60" x 31" x 50" (152.4cm x 79cm x 127cm)
- **Engine:** Kubota D1105E1, 12 gallon tank (45.4L), water cooled, low level oil shutdown, oil pressure shutdown switch. [electric start]
- **Fan Housing:**
¼" (0.64cm) AR-500 steel fan x ½" (1.27cm) AR-400 steel chamber
- **Blade Diameter:**
4" x Ø24" (10.16cm x Ø60.96cm)
- r.p.m. / hour meter
- **Engine Warranty:** 2 year commercial
- Ø8" (20.32cm) Inlet and Ø8" (20.32cm) Outlet
- Electric start with included 12 volt battery

Performance Data:
Vac Strength: 35 "WC (0.087 bar)
Airflow: 5000 CFM (8495 m³/h)

BIGGER, BADDER BLADE + MORE HORSEPOWER = SPEED!

Lower your labor costs and get out of the attic quicker with the increased performance of our new **high powered vacuums.**

- **Powerful suction** capable of doubling your current production. Recommend two (2) Ø4" (Ø10.16cm) hoses in attic connecting to a 4" x 4" to 6" (10.16cm x 10.16cm x 15.25cm) wye tube, for highest production.
- **Gusset Reinforced** fan blade, AR-500 (abrasion resistant) ¼" (0.64cm) hard steel, provides durability and 3x's wear longevity.
- **Oversized 4" x Ø24" (10.16cm x Ø60.96cm) fan blade @ 3600 R.P.M. = high "Tip Speed" = more pulling power.**
- **Double Banded Fan chamber** offers ultra-heavy duty ½" (1.27cm) thick AR-400 abrasion resistant armor plate which triples life of chamber.
- **Oversized 1.5" (3.81cm) Jack-Shaft** with two (2) high speed pillow block bearings, driven by double power-band B belts & sheave system, extends engine life.
- **Large fuel tanks** provide half day running time without re-fueling.



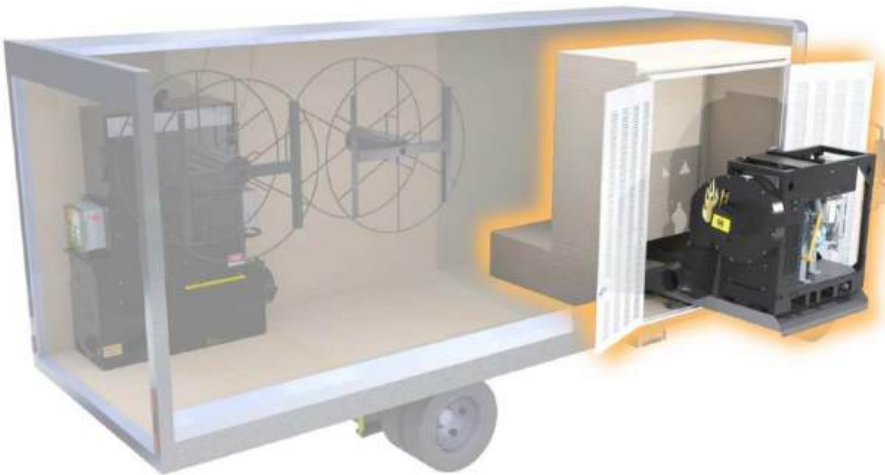
25 h.p. Diesel Vac Mounting Options

Option #1 - Best



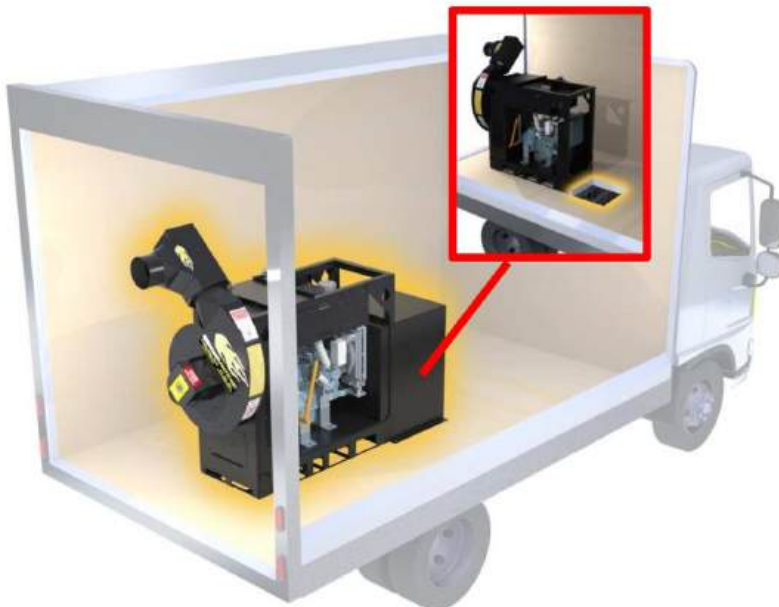
One of the most important things to remember with the 25 hp Cool Diesel Vacuum is that the engine block **NEEDS TO BREATHE!** For this reason, to help prolong the lifespan and reduce maintenance times of your vacuum, the best/safest option is to mount the Cool Diesel Vac in the back of an open air pickup bed. Allowing for maximum airflow around the engine block.

Option #2 - Better



Don't want a dedicated vacuum pickup truck? The next option is to attach the Cool Diesel Vacuum on to a heavy-duty slider mounted in your large box truck. This option will help by removing the vacuum from the harsh environment in the truck box and getting the vacuum into open fresh air!

Option #3 - Good



If the first two options won't fit your needs, the last option we can recommend is to have a small box truck dedicated to the Cool Diesel Vac but this one utilizes a fresh air Cowl for the diesel engines radiator. This does require cutting a hole into the floor of the truck to plumb the outside fresh air to the radiator.

Our Cool Vacuum Savers, the industry's first, are the answer to vacuum blade and collection bag damage. Attic insulation contains objects impossible to avoid, causing catastrophic damage to the fan, chamber, engine and filter collection bag. The Vacuum Saver is an in-line device catching the damaging objects before they reach your vacuum.

Simply connect the unit in suction line, in front of vacuum, and continue with your job. Unlike most similar devices in the market, our large capacity units trap most of the objects you will encounter on an average job-site **without frequent interruptions** to shut down and empty. [IMPORTANT: Vacuum Saver 'required' for warranty consideration]



Saver Cover



Mounted to chamber with easy access clean-out, viewing window for monitoring capacity, balanced for easy handling, and safety hose switches.

- **Available in:** Ø6" (15.25cm) inlet - 16hp, 22hp, & 23hp Cool Vacs
Ø8" (20.32cm) inlet - 27hp, 40hp, & 25hp diesel Vacs
- **Dimensions (LxWxH):**
Ø6" (15.25cm) inlet: 27" x 11" x 27" (68.6cm x 28cm x 68.6cm)
Ø8" (20.32cm) inlet: 29" x 14" x 30" (73.7cm x 35.6cm x 76.2cm)
- **Weight:** Ø6" (15.25cm) inlet - 70 lbs. (31.75kg)
Ø8" (20.32cm) inlet - 85 lbs. (38.56kg)
- Large access door allows the unit to be cleared of collected debris.
- Process shutdown required for emptying.

VS-XL

Available in: Ø6" (15.25cm) inlet/outlet:



- **Dimensions (LxWxH):**
37 1/2" x 12 1/4" x 28 1/4" (95.25cm x 31.12cm x 71.76cm)
- **Weight:** 98 lbs. (44.5 kg)
- For use with large, double in-line vacuum systems with Ø6" (15.25cm) inlets
- Large access door allows the unit to be cleared of collected debris.
- Wheel package making this unit even more mobile.
- Process shutdown required for emptying.
- Includes standard wheel package

Ø8" (20.32cm) inlet /outlet:

- **Dimensions (LxWxH):**
37 1/2" x 12 1/4" x 28 1/4" (95.25cm x 31.12cm x 71.76cm)
- **Weight:** 100 lbs. (45.36kg)
- For use with large vacuum systems with Ø8" (20.32cm) inlets.
- Large access door allows the unit to be cleared of collected debris.
- Wheel package making this unit even more mobile.
- Process shutdown required for emptying.
- Includes standard wheel package

CAUTION: ALL Vac-Savers are for "dry", loose blown insulation fibers! DO NOT USE with fiberglass batt sections or moist/damp fibers!

Optimal Performance with 'ALL' Fibers

Vacuum Output Safety Elbows!

Protect the People and Property on the output side of the vacuum!

Vacuums are getting stronger, which means the objects going through the vacuum are **GOING FASTER!**

Attach this elbow on the output of your vacuum and prevent potentially damaging, high velocity objects from piercing your hose.

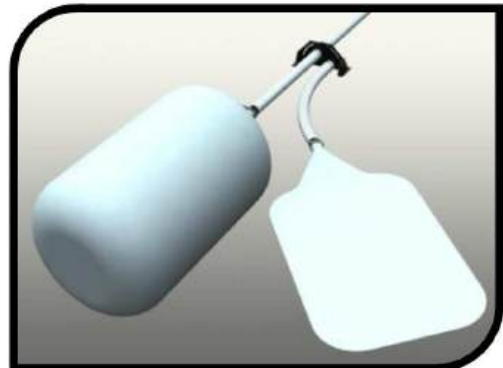
Available in 6" (15.25cm) and 8" (20.32cm).



Cool Diverter Valves **Non-Stop Vacuuming!**

Divert fiber stream to an empty bag while the operator changes the full bag.

Available in 6" (15.25cm) and 8" (20.32cm).



8" Inlet Covers available for All Vacuums

Take your vacuum to the next level and start vacuuming batts* with our optional 8" (20.32cm) Inlet Chamber Covers!

(*Based on tests of 24" [60.96cm] wide x 30" [70.62cm] long batts)



6" (15.25cm) Inlet



8" (20.32cm) Inlet

Optimal Performance with 'ALL' Fibers

Cool Vacuum Accessories

Hose, Clamps, Connectors, Swivels, and Bags...Oh My!

We offer special smooth-bore vacuum hoses to increase speed, along with EVERYTHING you need to get your system off and running at its Coolest!



Hose Reels for Hose Protection and Storage!

Protect, manage, and store your hose during transport!

Available capacity sizes:

- Ø60" (Ø152.4cm) x 27" (68.6cm) wide
 - 150' of 6" hose (45.7m of 15.2cm hose)
- Ø90" (Ø228.6cm) x 17" (43.2cm) wide
 - 125' of 6" hose (38m of 15.2cm hose)



Available in wall or floor mount!
See Hose Reel Literature for more info!

Cool Vacuum Wands

Save your back when you can!

If you don't have to crawl to vacuum, then don't!

Our vacuum wands make it easy to suck up that old fiber with the comfort of standing.

Available in 4" (10.16cm) and 6" (15.25cm).



Optimal Performance with 'ALL' Fibers

Why Briggs & Stratton Engines?

Briggs & Stratton engines are the largest gas engine manufacturer in the world (over 12,000 authorized dealers in North America). With 24 hr. parts availability and multiple service locations within a 30 mile radius throughout the country, you have the best support system available to keep your engines running. The premium grade 'Vanguard' engine is a high quality engine (with 3 year commercial warranty) manufactured in Japan and is widely considered the 'best' in the industry.



Production Rate Myths: Real or Hype?

Beware of Vacuum manufacturer's claiming ridiculous production rates. There are many variables to fool the unsuspecting customer. Some production tests are performed with short length hose in more than favorable conditions, not realistic. There are many factors affecting your bottom-line production speeds.

Exhaust air back-pressure:

1. Blowing into dumpster vs. vacuum bags: A covered dumpster has the ability to breathe and allow the exhaust air to escape with less back-pressure. This allows faster conveying speeds.
2. Type of vacuum collection bag: Some heavier vacuum collection bags (4 oz. fabric), do not breath or exhaust excess air as easily as lighter fabrics. This creates back pressure, (especially when the bag is more than half full). This condition slows down production speed.

Internal friction of hose:

1. Reduce internal friction by: using **smooth -bore** hose. Hoses w/rough surface, adds internal friction of conveying fiber. It's great for conditioning fiber blowing in attic, but **not** preferred for vacuuming.
2. Reduce internal friction by: using larger diameter hose (6" [15.25cm]) from vacuum-to-attic, and use smaller diameter hose (4" [10.16cm]) **in** attic for ease of handling and maneuverability.
3. Reduce internal friction by: using shortest length hose possible. As you move closer to vacuum and need less hose; remove extra lengths to increase speed.

Vacuum power: ... A matter of Physics...

Terminology:

- Airflow measured C.F.M.(cubic feet per minute) = Volume/quantity of air moved in one minute.
- Vacuum Strength or 'pulling' power measured Inches of water column ("WC), H₂O.
 - Generally speaking: surface area and diameter of blade + tip speed (ft./sec.) = Vacuum Power
 - Production rate increases with higher tip speed (ft/sec) and surface area of blade.

Cool Machines has engineered an innovative impeller blade with specific geometric features to increase pulling power (WC), and create 'tip turbulence' to eliminate wet fiber build-up inside fan chamber.



Vacuuming for Beginners

Principles for vacuuming:

- Dense granular materials have less surface area for vacuum air-stream to carry. This will result in the materials falling out of air stream, collecting in bottom of hose with gradual clogging. The solution is to increase air speed (velocity), using a smaller diameter, smooth-bore hose. (i.e. sawdust, *vermiculite, Styrofoam beads, etc.)
- ***Note: Vermiculite products can contain hazardous asbestos in granules and must be handled with special HEPA filtration systems. Be sure to test the material before disturbing material.**
- Not all hoses are equal: A smooth-bore, non-contracting (*slinky action*) hose, helps reduce damage to job-site surfaces.
- Increase suction and vacuum speed on long hose runs, by networking two (2) vacuums in-line.
- Increase production speed with large vacuums (40 HP gas and 25HP Diesel) by splitting from single suction hose operator, using one (1) 6" [15.25cm] dia. hose, to dual suction operators using two (2) 4" [10.16cm] dia. hoses in attic.
- Use vacuum bag diverter device to allow for non-stop vacuuming to filter collection bags.
- Locate vacuum units outside vehicle or on slider/ ventilated compartments, (similar to generators). This safeguards operator from carbon monoxide fumes and reduces fiber contamination of engine for extended life.

Optimal Performance with 'ALL' Fibers

A Cool Comparison – Gas/Diesel Vacuums



Specifications	CV-11	CV-16	CV-22	CV-23	CV-27	CV-40	CV-25D	
Weight	Manual: 204 lbs. (92.5 kg) *Electric: 227 lbs. (103kg)	250 lbs. (113.4 kg)	373 lbs. (169.2 kg)	358 lbs. (162.4 kg)	519 lbs. (235.4 kg)	750 lbs. (341 kg)	1150 lbs. (522.0 kg)	
Weight w/ Saver Cover	N/A	320 lbs. (146 kg)	443 lbs. (201 kg)	428 lbs. (195 kg)	604 lbs. (274 kg)	835 lbs. (379kg)	1235 lbs. (561 kg)	
LxWxH	Inches	30" x 28" x 38"	33" x 28" x 38"	42" x 28" x 37"	42" x 28" x 37"	45" x 33" x 45"	48" x 51" x 50"	60" x 31" x 50"
	Centimeters	76.2 x 71.1 x 96.5	83.8 x 71.1 x 96.5	106.7 x 71.1 x 94	106.7 x 71.1 x 94	114.3 x 83.8 x 114.3	122 x 130 x 127	152.4 x 79.0 x 127.0
Blade (Height x Dia.)	Inches	3" x Ø18"	3" x Ø20"	4" x Ø20"	4" x Ø20"	4" x Ø22"	4" x Ø24"	4" x Ø24"
	Centimeters	7.62 x Ø45.72	7.62 x Ø50.8	10.16 x Ø50.8	10.16 x Ø50.8	10.16 x Ø55.9	10.16 x Ø60.96	10.16 x Ø60.96
Engine	11hp Briggs OHV Dura-lube™, 1650 Series I/C cast iron sleeve	16hp Briggs & Stratton "Vanguard" V-twin OHV, positive pressure lubrication	22hp Honda GX690, positive pressure lubrication	23hp Briggs & Stratton "Vanguard" V-twin OHV, positive pressure lubrication	27hp Briggs & Stratton "Vanguard" V-twin OHV, positive pressure lubrication	40hp Briggs & Stratton "Vanguard" V-twin OHV, positive pressure lubrication, E.F.I.	25hp Kubota D1105E1, Diesel, positive pressure lubrication, Water Cooled	
Gas Tank	1.725 gal (6.53L)	2.25 gal (8.5L)	8 gal (30.3L)	8 gal (30.3L)	8 gal (30.3L)	8 gal (30.3L)	12 gal (45.4L)	
Inlet	6" (15.24cm)	6" (15.24cm)	6" (15.24cm)	6" (15.24cm)	8" (20.32cm)	8" (20.32cm)	8" (20.32cm)	
Outlet	6" (15.24cm)	6" (15.24cm)	6" (15.24cm)	6" (15.24cm)	8" (20.32cm)	8" (20.32cm)	8" (20.32cm)	
Warranty	Engine 1 year Commercial	3 year (limited)	3 year (limited)	3 year (limited)	3 year (limited)	3 year (limited)	2 year (limited)	
Performance**:								
Vac Strength	19 "WC (0.047 bar)	25 "WC (0.062 bar)	27 "WC (0.067 bar)	27 "WC (0.067 bar)	30 "WC (0.075 bar)	47 "WC (0.117 bar)	47 "WC (0.117 bar)	
Airflow	2500CFM	3200CFM	3600CFM	3600CFM	4000CFM	6400CFM	6400CFM	
	(4248 m³/h)	(5437 m³/h)	(6116 m³/h)	(6116 m³/h)	(6796 m³/h)	(10874 m³/h)	(10874 m³/h)	
Features:								
Powder Coated	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Electric Start	Optional	Yes	Optional	Yes	Yes	Yes	Yes	
Hourmeter/Tachometer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Low Oil Level Shutdown	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Wheels (Run Flat)	Yes (10"/25.4cm)	Yes (10"/25.4cm)	Yes (10"/25.4cm)	Yes (10"/25.4cm)	Yes (10"/25.4cm)	Yes (10"/25.4cm)	Yes (10"/25.4cm)	
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
A.R. Chamber	¼" (6.4 mm) AR400	¼" (6.4 mm) AR400	¼" (6.4 mm) AR400	¼" (6.4 mm) AR400	½" (12.7 mm) AR400	½" (12.7 mm) AR400	½" (12.7 mm) AR400	
Heavy Duty Chamber*	Yes (+16lbs [7.3kg])	Yes (+16lbs [7.3kg])	Yes (+16lbs [7.3kg])	Yes (+16lbs [7.3kg])	No	No	No	
	½" (12.7 mm) AR400	½" (12.7 mm) AR400	½" (12.7 mm) AR400	½" (12.7 mm) AR400				
A.R. Blade	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	¼" (6.4 mm) AR500	¼" (6.4 mm) AR500	¼" (6.4 mm) AR500	¼" (6.4 mm) AR500	¼" (6.4 mm) AR500	¼" (6.4 mm) AR500	¼" (6.4 mm) AR500	
Input/Output Safety Switches	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Direct Drive	Yes	Yes	Yes	Yes	Yes	No - Belt Drive	No - Belt Drive	
Air Cooling Filter	No	Yes	No	Yes	Yes	Yes	Yes	
Noise Level	Medium	Medium	Medium	Medium	Medium	High	High	
Type of Use	Insulation Removal	Insulation Removal	Insulation Removal	Insulation Removal	Insulation Removal	Insulation Removal	Insulation Removal	

(*) Denotes an Optional Accessory

(**)Performance data under optimal conditions

Questions? Call us at (877) 801-5693

Rev. 3.2025

A Cool Comparison – Electric Vacuums



Specifications		EV-7.5HP	EV-10HP	EV-20HP
Weight		170 lbs. (77.1 kg)	205 lbs. (93 kg)	793 lbs. (359.7 kg)
Weight w/ Saver Cover		240 lbs. (109 kg)	275 lbs. (125 kg)	878 lbs. (399 kg)
LxWxH	Inches	30" x 28" x 38"	30" x 28" x 38"	43.25" x 33" x 48.25"
	Centimeters	76.2 x 71.1 x 96.5	76.2 x 71.1 x 96.5	109.9 x 83.8 x 122.6
Blade (Height x Dia.)	Inches	3" x Ø18"	3" x Ø20"	4" x Ø22"
	Centimeters	7.62 x Ø45.72	7.62 x Ø50.8	10.16 x Ø55.9
Motor		7.5hp Electric Motor	10hp Electric Motor	20hp Electric Motor
Power	US:	240V, 1PH, 20A 480V, 3PH, 10A	240V, 1PH, 30A 480V, 3PH, 15A	240V, 1PH, 60A
Supply	CE:	400V, 3PH, 12A	400V, 3PH, 16A	480V, 3PH, 30A
Generator		18kW, 3 Phase	18kW, 3 Phase	400V, 3PH, 30A
Inlet		6" (15.24cm)	6" (15.24cm)	8" (20.32cm)
Outlet		6" (15.24cm)	6" (15.24cm)	8" (20.32cm)
Warranty		2 year (limited)	2 year (limited)	2 year (limited)
Performance**:				
Vac Strength		25 "WC (0.062 bar)	27 "WC (0.067 bar)	30 "WC (0.075 bar)
Airflow		3200CFM (5437 m ³ /h)	3600CFM (6116 m ³ /h)	4000CFM (6796 m ³ /h)
Features:				
Powder Coated		Yes	Yes	Yes
Hourmeter/Tachometer		No	No	No
Wheels (Run Flat)		Yes (10"/25.4cm)	Yes (10"/25.4cm)	Yes (10"/25.4cm)
A.R. Chamber		Yes ¼" (6.4 mm) AR400	Yes ¼" (6.4 mm) AR400	Yes ½" (12.7 mm) AR400
Heavy Duty Chamber*		Yes (+16lbs [7.3kg]) ½" (12.7 mm) AR400	Yes (+16lbs [7.3kg]) ½" (12.7 mm) AR400	No
A.R. Blade		Yes ¼" (6.4 mm) AR500	Yes ¼" (6.4 mm) AR500	Yes ¼" (6.4 mm) AR500
Input/Output Safety Switches		Yes	Yes	Yes
Direct Drive		Yes	Yes	Yes
Air Cooling Filter		No	No	No
Noise Level		Low	Low	Low
Type of Use		Insulation Removal	Insulation Removal	Insulation Removal

(*) Denotes an Optional Accessory

(**) Performance data under optimal conditions

Questions? Call us at (877) 801-5693

Rev. 3.2025



The Next Generation of Vacuums

Our full line of rugged, powerful vacuums offer a choice for any application (loose fill, batts, wet/dry) with any budget.

Our new & improved vacuums are more durable and maintenance free than ever.

An industry first: Our AR-500 steel fan blades offer 3x's the wear life compared to the competition.

Our vacuums are portable, versatile, and high production to reduce labor time and increase profitability.

The industry's highest rated, heavy duty, wet/dry Vacuums with **Cutting Edge Cool** design features.



Cool Vacuum Accessories

(F) Pre-processing batts, adequate vac size, with no vacuum saver required.

Our Cool Vacuum Savers

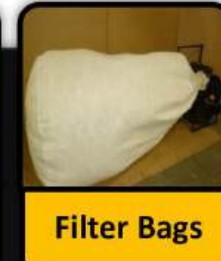
are the answer to vacuum machine damage. Attic insulation contains objects impossible to avoid, causing catastrophic damage to the fan, chamber, and engine. The Vacuum Saver is an inline device that catches machine damaging objects before they reach your vacuum. Simply connect the unit in the suction line, in front of the vacuum, and continue with your job.



Hose Reels



Hoses & Fittings



Filter Bags



Vacuum Wands



Saver Cover:

- Available in:
 - Ø6" (15.25cm) inlet - 16hp, 22hp, & 23hp Cool Vacs
 - Ø8" (20.32cm) inlet - 27hp, 40hp, & 25hp diesel Vacs
- Dimensions (LxWxH):
 - Ø6" (15.25cm) inlet: 27" x 11" x 27" (68.6cm x 28cm x 68.6cm)
 - Ø8" (20.32cm) inlet: 29" x 14" x 30" (73.7cm x 35.6cm x 76.2cm)
- Weight:
 - Ø6" (15.25cm) inlet - 70 lbs. (31.75kg)
 - Ø8" (20.32cm) inlet - 85 lbs. (38.56kg)
- Large access door allows the unit to be cleared of collected debris.
- Process shutdown required for emptying.



VS-XL:

- Includes standard wheel package.
- Process shutdown required for emptying.
- Large access door allows the unit to be cleared of collected debris.
- Wheel package making this unit even more mobile.
- Dimensions (LxWxH):
 - 37 1/2" x 12 1/4" x 28 1/4"
 - (95.25cm x 31.12cm x 71.76cm)
- Available in:
 - Ø6" (15.25cm) inlet/outlet
 - Weight: 98 lbs. (44.5 kg)
 - For use with large, double in-line vacuum systems with Ø6" (15.25cm) inlets
 - Ø8" (20.32cm) inlet /outlet
 - Weight: 100 lbs. (45.36 kg)
 - For use with large vacuum systems with Ø8" (20.32cm) inlets.



Cool Diverter Valves

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Non-Stop Vacuuming!
Divert fiber stream to an empty bag while the operator changes the full bag. Available in 6" (15.25cm) and 8" (20.32cm).

