# Cool Machines Inc.

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Fiber Machines Cutting Edge COOL


CV-12 CV-16

## An 'Insulation Removal Vacuum'

Cool Machines introduces the industry's highest rated heavy duty wet/dry Gas Vacuum with innovative cutting edge design features. The Cool-Vac 16 (or 12 h.p. economy unit), is versatile, portable, and extremely high production, reducing labor time and increasing profitability. Insulation is quickly and efficiently removed from attics, sidewalls, and crawl spaces with ease.
This unit is designed to handle fire, water, and smoke damaged insulation, as well as damp wall cavity recycle with dependability and speed.

Fiber intended for recycling can be conveyed directly to your spray machine for reuse.
Waste insulation material can be discharged directly into 75 cu. ft. disposable bags (purchased separately), or directly into a truck or dumpster.

Insulation fibers in older homes can be highly abrasive rockwool and fiberglass fibers with an abundance of small objects, foreign debris, and wet sticky fibers. This inherently causes extreme wear on fan blade and chamber as well as progressive accumulation of wet fibers inside the fan chamber. The annual cost of fan blade and chamber replacement due to wear and tear can exceed $1000 (depending on frequency of use).

## How is our vacuum different?

Our abrasion resistant, dynamically balanced fan and low cost replaceable chamber wear strip are the 'first' in our industry to reduce annual costs. The 'Turbo-Sonic' blade design eliminates the need for regular cleaning and service to the chamber while increasing vacuum pressures for higher productivity. Remember; it's not horsepower that's important. It's the blade design!!!

## Cool - VAC 12 & 16

## Insulation Removal Vacuum

**'New'** and innovative retro-fit attic standards! Building science experts and weatherization professionals alike, have proven with 'new age' diagnostic techniques (blower door testing and thermal imaging), that 'air sealing' attics and eave areas with closed cell foam, and re-insulation, provides the highest performance energy savings.

In older homes, the only way to properly locate breaches, air leaks, and thermal bypass areas in the attic is to totally remove the attic insulation. Once removed, critical areas can be identified, easily accessed, foam sealed, and re-insulated. Many times old insulation (due to moisture, odors, and pest control issues), needs to be removed and replaced.
All professional insulation contractors must have an effective solution….

**[Contact our offices for 'foam' solutions]**

# CV-16 SPECIFICATIONS

- **18” dia. abrasion resistant fan blade, 1/4” thick blades w/ solid robotic welds, dynamic computer balanced, ‘turbo-sonic’ / FC fan blade.**
- **6” inlet and outlet for high production**
- **12 volt Magnetron Electronic Ignition system provides easy starting.**
- **Easy access battery location for quick service, battery charging, and jump starts.**
- **Safety inlet guard reducing operational hazards.**
- **16 h.p. Briggs and Stratton ‘Vanguard’ V-twin engine with positive pressure lubrication. This commercial duty engine (highly regarded as one of the most durable engines in its class), provides ample power to exceed production rates of any system in its class.**
- **Hour meter/ tachometer for routine engine service and maintenance (16 h.p. included)**
- **Weight 250 lbs. Dimensions: 33” long x 26” wide x 37” high (optional: recoil pull start back-up).**

# CV-12 SPECIFICATIONS

- **Economy 12 h.p. ‘LCT’ engine with manual pull-start.**
- **18” dia. abrasion resistant fan blade, 3/16” thick blades w/ solid robotic welds, dynamic computer balanced, ‘turbo-sonic’ / FC fan blade.**
- **6” inlet and outlet for high production. (Optional; ‘deluxe’ electric start & hour meter.)**
- **Weight 190 lbs. Dimensions: 32” long x 26” wide x 37” high.**

## Accessories

- 6” dia. x 25 ft. flex hose / 6” steel hose connectors/ 6” to 4” hose or inlet reducer.
- 4” dia. x 50 ft. flex hose / 4” steel hose connectors. 4” aluminum vacuum pick-up tube w/ handles.
- 75 cu./ft. disposable collection bags.

## Cutting Edge Features:

- Industry ‘first’ of having a low cost replaceable ‘liner’ or wear strip inside fan chamber allows a lower cost solution to extreme wear caused by highly abrasive fibers and foreign debris passing thru chamber.
- Specially designed ‘turbo-sonic – FC’ blade creates fan tip turbulence eliminating wet fiber accumulation or build-up on fan blade and chamber area while increasing vacuum pressure for higher productivity.
- Abrasion resistant fan blades are robotically welded with ‘solid’ welds to reduce the chance of a catastrophic failure due to operational stress.
- Dynamic computerized balancing provides a precision, smooth running blade, with minimal wear to engine bearings.
- Powder coated heavy gauge welded steel construction.

## Hook-up Recommendations:

Various combinations of hose lengths up to 175 ft. can be used effectively. Larger diameter hoses with shortest hose length allow for maximum production rates. Recommended: 25 ft. x 6" dia. hose for exhaust, 125 ft. x 6" dia. hose reduced to 50 ft. x 4" dia. hose for maximum vacuum pick-up in the attic. (Hose priced separately). Consult factory for options.

## WARRANTY

1 Year on Vacuum
2 Years on Engine