



# KRENDL

# #450A

(Optional Remote Control System & Wheel Package)



This **all-fiber** (airlock) unit is preferred as an economical machine by the **small professional contractor** or **do-it-yourself/rental** market for all applications of all fibers. (open-blow or spray-on) Designed for low maintenance and high production, the #450A provides large hopper capacity and easy loading, while offering simple rugged performance.

**Note:** This unit is available **with** remote.

### MATERIAL PRODUCTION RATE

lbs/hr (kg/hr) rating with 100ft. (30.5m.) of 2 1/2" (6.4cm.) hose at 10ft. (3.1m.) elevation

MACHINE	MACHINE w/single 2-stage blower lbs/hr(kg/hr)	MACHINE w/single 3-stage blower lbs/hr(kg/hr)
FIBERGLASS	200 (91)	300 (136)
ROCKWOOL	600 (272)	800 (363)
CELLULOSE	1200 (545)	1200 (545)

Product density and variable blowing conditions will affect production rate.  
One 3-stage, 12.5 amp blower recommended for maximum performance.

### FEATURES

#### Mechanical (Standard)

- recessed on/off switch and blower control
- safety guards and hopper bars
- modular component design
- removable hopper
- dual agitators
- 1/2hp TEFC motor/reducer (470 in/lb.torque)
- #40 nickel plate chain/hardened sprockets
- improved blower filter design w/check valve protection
- cord hanger

### BENEFITS

- safety and protection of electrical components
- operator safety
- quick disassembly/reassembly for easy troubleshooting and maintenance
- lift off hopper for quick easy access to airlock
- enhanced conditioning of fibers
- durable direct drive for the toughest blowing materials
- rugged, corrosion/abrasion resistant drive system
- less filter maintenance/better protection of blower
- handle/cord hanger for convenient storage of cords

#### Electrical (Optional)

- five second pre-alarm buzzer
- main disconnect/power interruption shutdown
- emergency kill switch
- manual override at machine
- 100ft. (30.5m.) remote control cord/3 position switch
- deluxe voltmeter
- multiple auxiliary convenience outlets
- overload protection on transformer and all motors
- operator safety/alerts operator **before** machine starts
- disconnects power to panel **before** allowing access/manual restart
- operator safety/quick hazard response
- operator safety/enhanced troubleshooting and control at machine
- operator safety/increased operator control of feed and blower
- indicator for low/high voltage protection of motors
- easy addition of accessory devices (i.e., wireless, pump systems)
- complete protection of all electrical components

### WEIGHT

274lbs. (124 kg.)  
302 lbs. (137 kg.) w/remote

### DIMENSIONS

29"W x 25"D x 43"H  
(74cm. W x 64cm. D x 109cm. H)

### HOPPER CAPACITY

7 cu. ft. (.20 m<sup>3</sup>)

### AIRLOCK

8" x 14" diameter (20.3cm. x 35.6cm. diameter)  
2 1/2" (6.4cm.) outlet for blowing hose

### POWER REQUIREMENT

double input, 15amps each/120volt/60hz  
w/12.5amp blower  
single input, 15amp/120volt/60hz w/8 amp blower  
(230volt/50hz available for export)

### BLOWERS/SIZES

8 amp/2-stage (120volt)  
12.5 amp/3-stage (120volt)

### RECOMMENDED GENERATOR

5000 watts (for machine only)

### CE MARK CONFORMITY

See reverse side for more information.

# SPECIFICATIONS

BLOWER	AIRLOCK PRESSURE (P.S.I.)	BLOWER RATING (C.F.M.)	BLOWER AMPERAGE	AGITATOR AMPERAGE
SINGLE 2-STAGE	3	97	8	5.7
SINGLE 3-STAGE	3 1/4	94	12.5	5.7

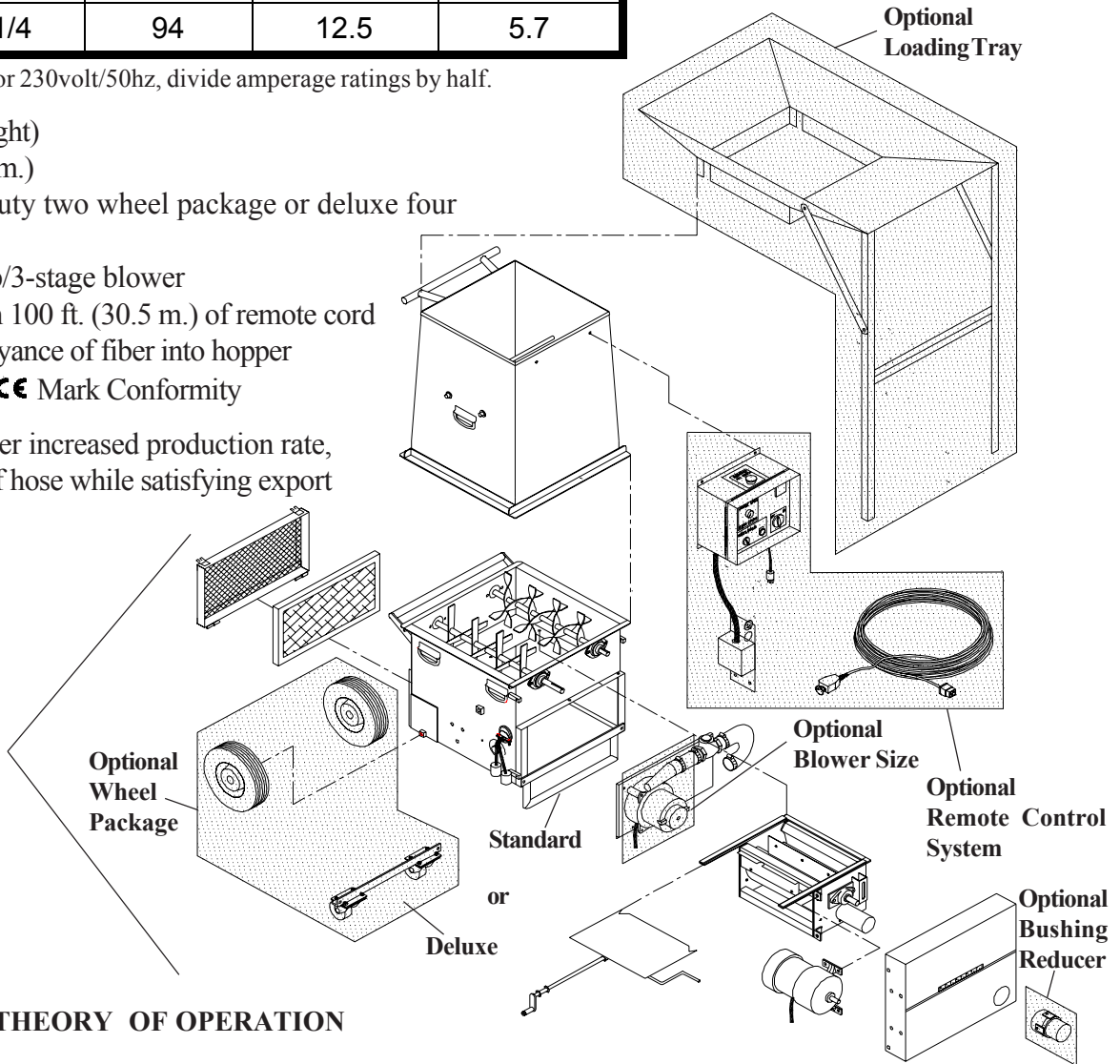
When figuring rates for 230volt/50hz, divide amperage ratings by half.

## OPTIONS: (See diagram at right)

- bushing reducer - 2" (5.1 cm.)
- 10" (25.4 cm.) standard duty two wheel package or deluxe four wheel package
- 8 amp/2-stage or 12.5 amp/3-stage blower
- remote control system with 100 ft. (30.5 m.) of remote cord
- loading tray for easy conveyance of fiber into hopper
- 230volt/50hz (for export) **CE** Mark Conformity

These options will offer the user increased production rate, portability, and varying sizes of hose while satisfying export requirements.

## Modular components for easy replacement or repair.



## ALL-FIBER MACHINE - THEORY OF OPERATION

(See diagram at right)

This unit is designed to accept all fiber materials into the hopper area of the machine, passing through a multi-step agitation system and dropping into the rotating airlock feeder. The airlock feeder has a crankgate control providing precision feeding of fiber for open blowing, sidewall blowing, and spray-on applications. Fiber is then rotated to bottom of airlock where air from the blower motor pushes fiber from the rotating chambers through the hose. Material and air is prevented from escaping into the machine while in the airlock by six rubber seals, which conform to the airlock inner wall as the chambers revolve. The blower motor (single 3-stage, 12.5 amp or single 2-stage, 8 amp) is a high speed unit with low amperage designed to blow air. (Fiber **does not** pass through the blower fan chamber.) The high pressure and adjustable volume provides low amperage, low noise, and minimal attic dust. This reduces hose plugging problems and gives longer blower life.

**Note:** All-fiber/airlock machines provide slightly less coverage than thru-blower machines. Airlock machines cannot duplicate the high speed (13,000 r.p.m.) conditioning effect of fiber passing through the blower. Airlock machines blow the fiber closer to settled density, which eliminates the need for overblowing material to compensate for progressive settling.

