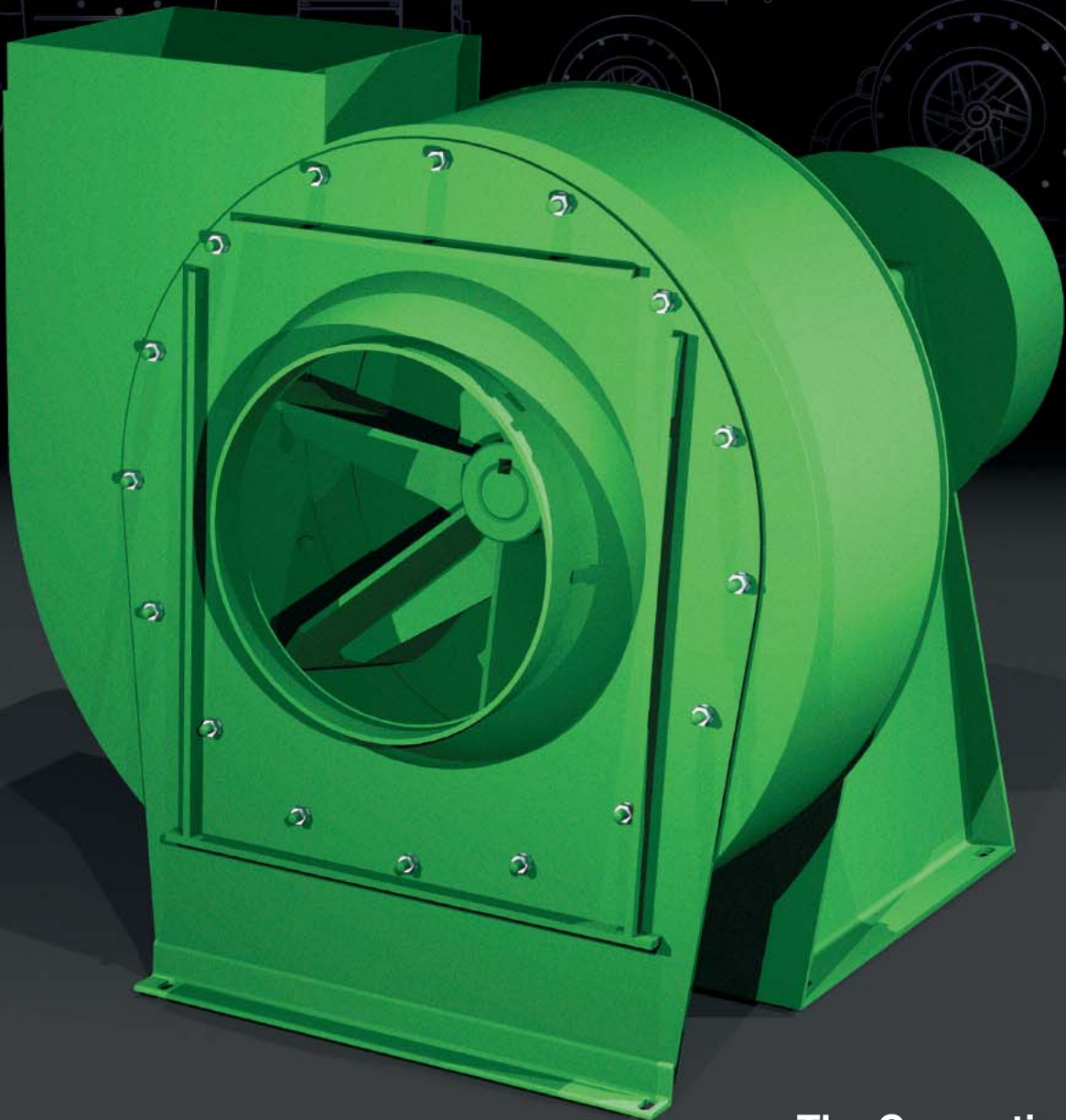


BloApCo[®]

**Material
Handling Fans**

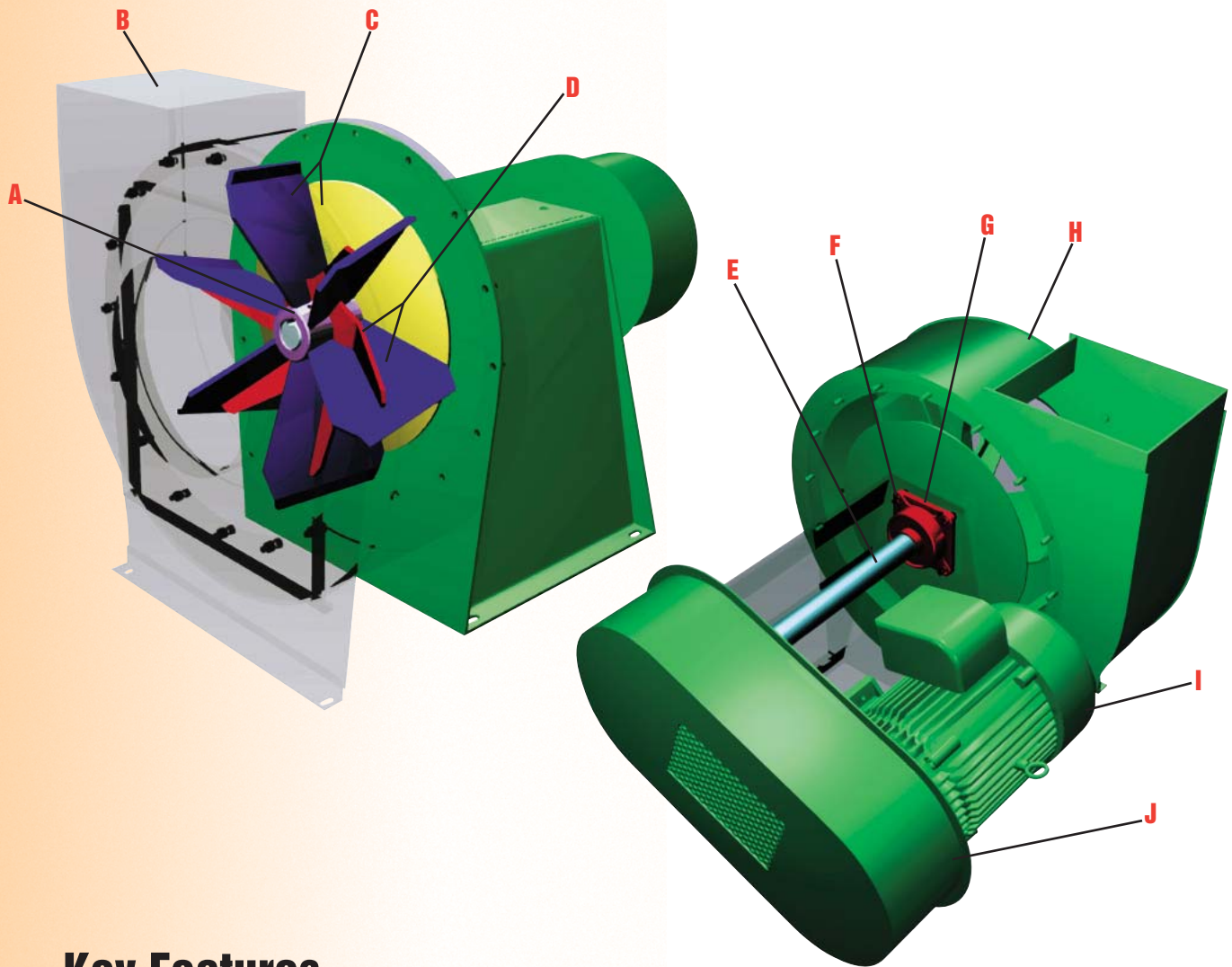
***Put 'em in
and forget 'em![®]***



**The Converting and
Manufacturing Industries' Choice in
Pneumatic Scrap Removal Systems**

Bulletin 011

The uniqueness and superior performance of BloApCo designed material handling fans has been proven over the years worldwide.



Key Features

A Oversized hub

B Rotating outlet

- 360° at 22.5° increments.

C Special fan wheel design

- All-continuous welded construction.
- Certified, dynamically balanced and stress-relieved.
- Non-clogging, with flared inlet, tapered fan blade and supporting back plate.

D Special heavy-duty blades

- Angular blade construction adds efficiency.
- One-piece spider gusset adds strength.

E Oversized chrome steel – centerless ground shaft

- Eliminates shaft deflection under heavy loading.
- Insures close tolerance between fan shaft, bearings and fan wheel.

F Heavy-duty flanged bearings

- For long life.
- Heavy surge loading.

G Unique shaft mount

- Allows placement of the bearings close to the wheel and drive pulley, reducing overhung bearing and shaft stress.
- Details on facing page.

H Exterior continuous welded fan housing

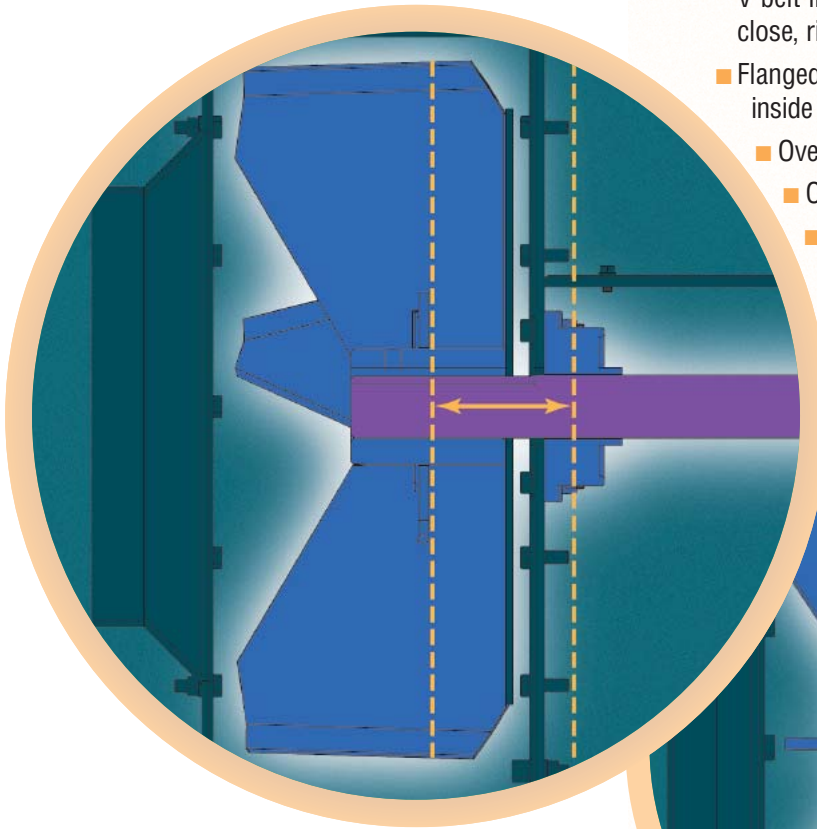
- Provides years of extended trouble-free operation.

I Integral fan pedestal/motor mounting

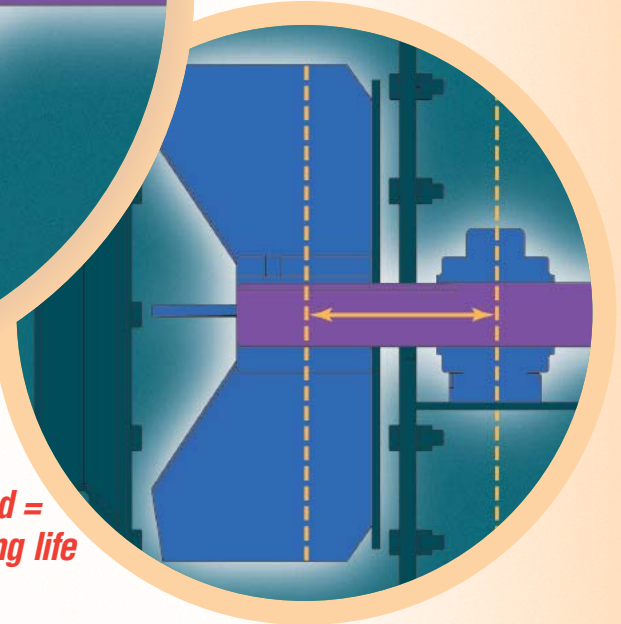
- Arrangement 9.

J OSHA approved belt guard

***BloApCo's low overhung load =
low shaft stress & long bearing life***



***Other fans' high overhung load =
high shaft stress & short bearing life***



Our Unique Shaft Mount

The key to BloApCo efficiency and dependability

At the heart of BloApCo design excellence is a unique shaft mount that outperforms and outlasts anything else in the industry. It's a simple fact – a fan with a low overhung load performs more smoothly and lasts longer. It all adds up:

- Pedestal-mounted motor design extends V-belt life, keeping motor and fan shafts in close, rigid relationship.
- Flanged bearings allow close placement of inside bearing to reduce overhung wheel load.
- Oversized shaft diameter.
- Oversized hub.
- Heavy-duty, long-life bearings.
- All continuous welded construction.
- Certified, dynamically balanced fan wheel.
- Back plate prevents clogging.

- 4-bolt radial flange bearing provides excellent radial support when fan is conveying heavy offset loads. Pillow block bearings only provide stability in one direction.
- The 4-bolt flange bearing provides a shaft seal where the shaft passes through the housing. Pillow block bearings cannot provide this seal.

BloApCo – the last word in pneumatic conveying applications since 1933.

Reliability, performance and efficiency... based on years of engineering experience.

Put 'em in and forget 'em!

TRIM FANS

Our Trim Fan models effectively handle edge trim quickly and efficiently without clogging.

Ideal for use with:

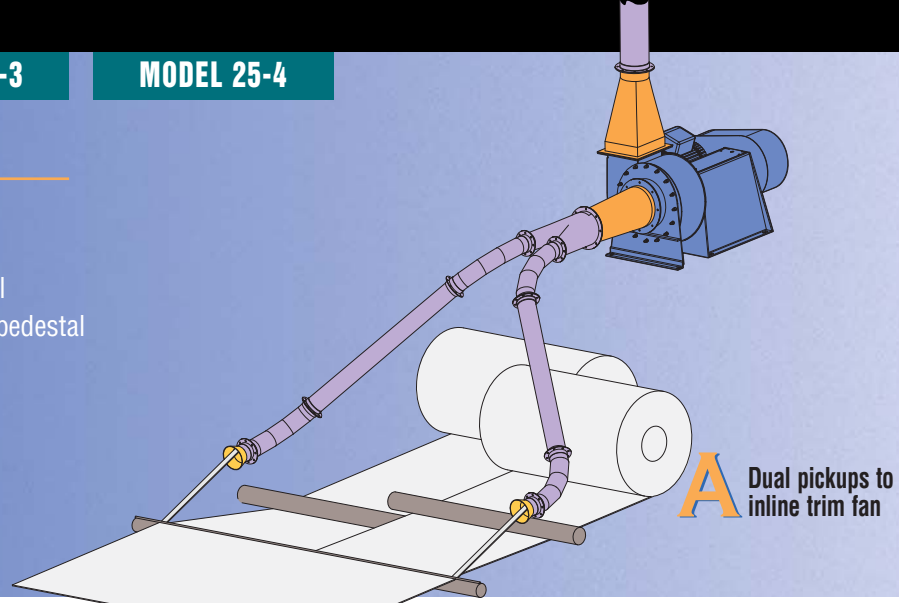
- Film
- Foil
- Paper
- Light, narrow trim materials

Features:

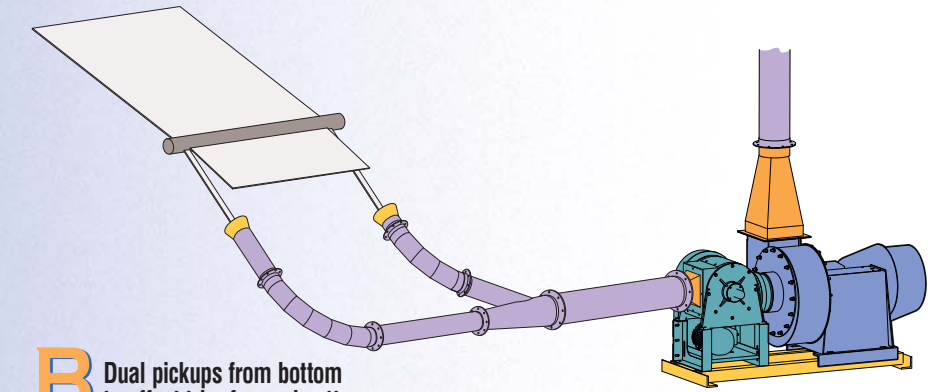
- V-Belt drive
- Back plated fan wheel
- Motor mount on fan pedestal

MODEL 15-3

MODEL 25-4



A Dual pickups to inline trim fan



B Dual pickups from bottom to offset trim fan and cutter

HEAVY DUTY FANS

Durable and reliable heavy-duty designs, up to the task and built to last. Space-saving motor mount on fan pedestal.

Ideal for use with:

- Corrugated board
- Folding carton stock
- Printing waste
- Laminated board

Features:

- V-Belt drive
- Spider gusset
- Canted fan blade
- Motor mount on fan pedestal
- Reinforced fan housing

MODEL 25-2

MODEL 30-2

MODEL 35-2

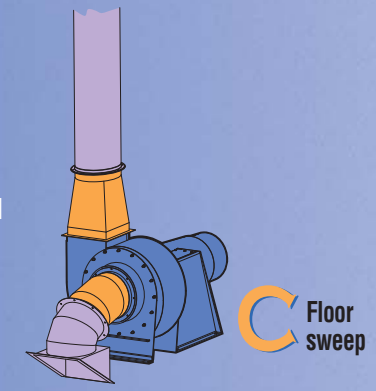
MODEL 40-2

MODEL 45-2

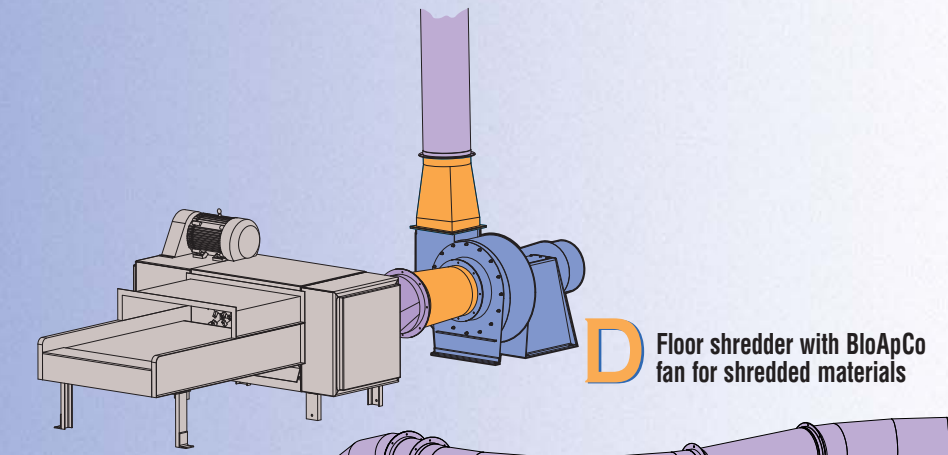
MODEL 50-2

MODEL 55-2

MODEL 60-2



C Floor sweep



D Floor shredder with BloApCo fan for shredded materials

CUSTOM FANS

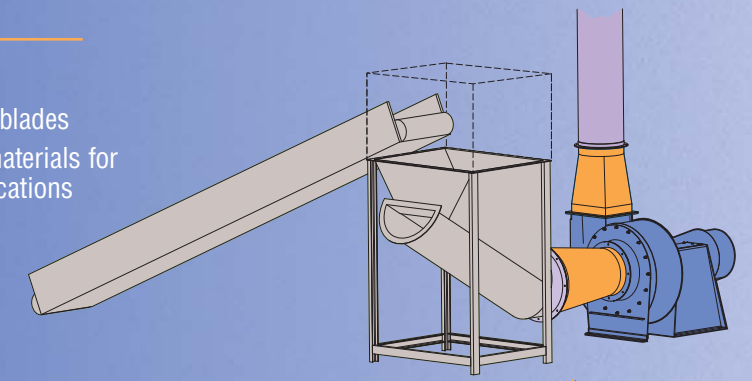
BloApCo solutions make short work of product destruction! Just let us know your type of material, the distance you have to convey, and your feed rate (per minute) — BloApCo can handle it!

Ideal for use with:

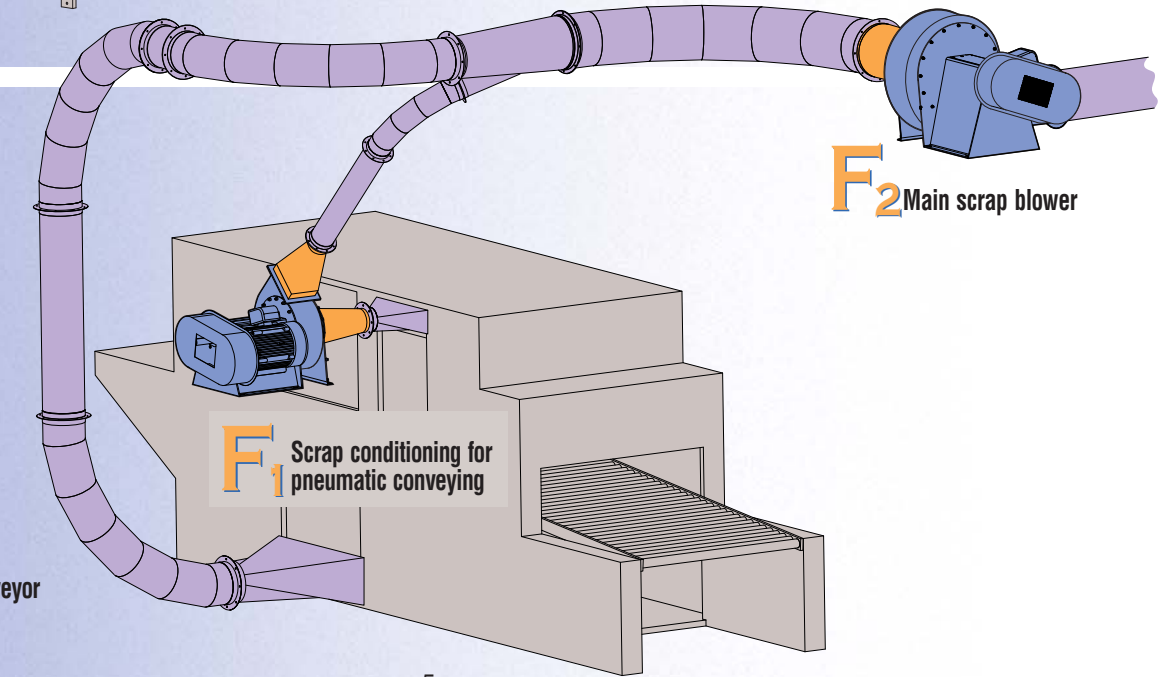
- Whole magazines
- Metals
- Plastic
- Rapid destruction of a wide range of other bulky, hard-to-handle scrap materials

We Can Modify:

- Number of fan blades
- Construction materials for abrasive applications
- Fan housing
- Inlet size
- Wheel profiles



E Self-feeding fan with conveyor and pneumatic hopper



F₁ Scrap conditioning for pneumatic conveying

F₂ Main scrap blower

Configurations for every application! Refer to the figures below to determine which one is right for you.

Multiple Configuration Options

TOP HORIZONTAL		BOTTOM HORIZONTAL	
CCW	CW	CW	CCW

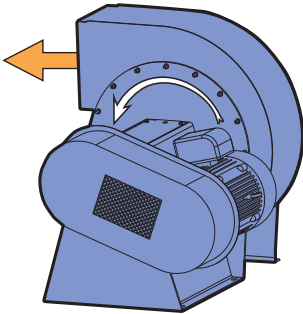


FIGURE 1

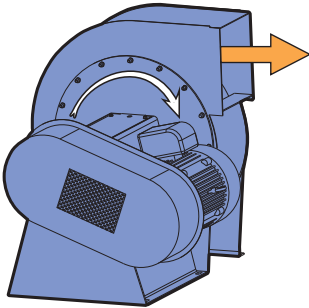


FIGURE 2

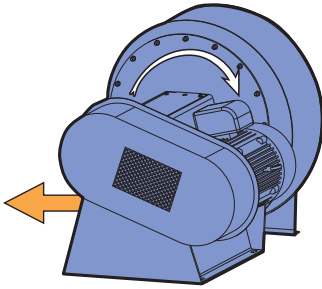


FIGURE 3

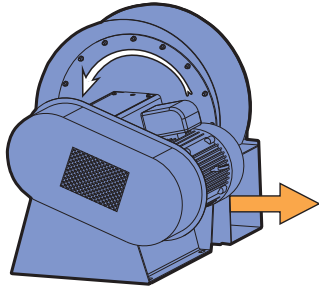


FIGURE 4

UP		DOWN	
CW	CCW	CCW	CW

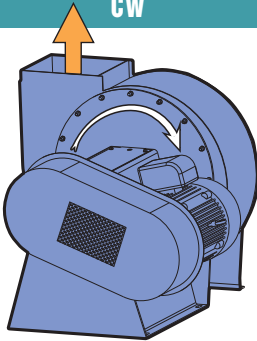


FIGURE 5

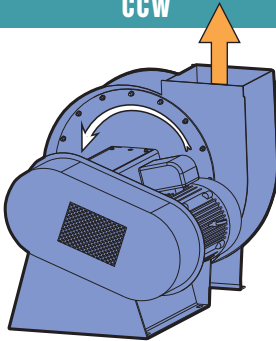


FIGURE 6

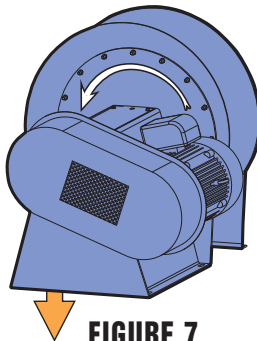


FIGURE 7

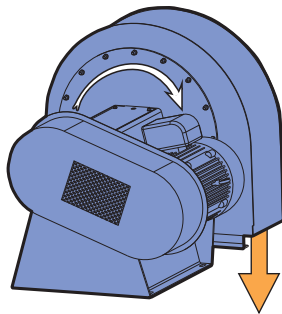
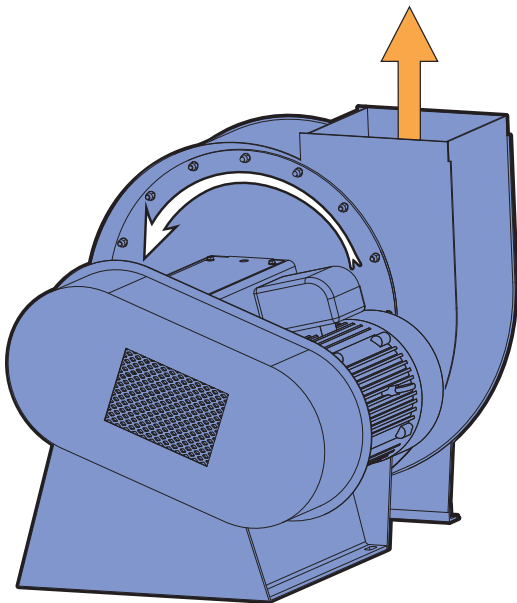


FIGURE 8



Fan rotation determined by looking from the drive side of the fan. Counter-clockwise fan rotation, up blast shown.

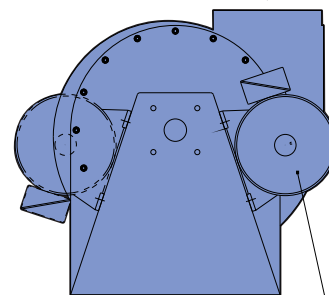
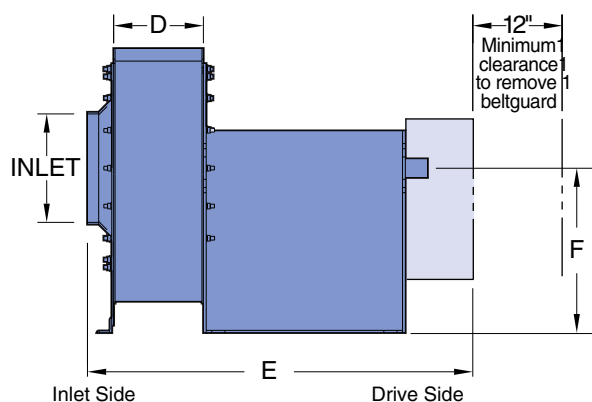
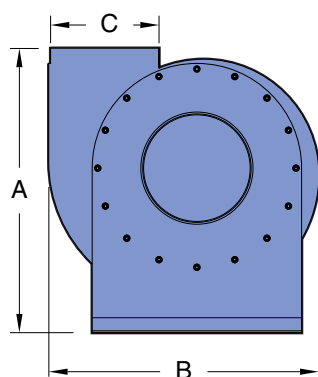
Outlet rotates 360° in 22.5° increments.

*The chart and diagrams below give
general specifications on all available models.*

Fan Dimensions

Model	A	B	C	Outlet D	Inlet	E	F	Shaft Dia.	CFM	Weight
15-3*	22 5/8" 575 mm	19" 483 mm	7" 178 mm	4 13/16" 122 mm	7 1/2" 191 mm	26 7/8" 683 mm	13" 330 mm	1 3/16" 30 mm	1,200 cfm 2,039 m³/h	125 lbs 57 Kg
25-4*	27 1/2" 699 mm	28 5/16" 719 mm	9" 229 mm	9" 229 mm	10" 254 mm	36" 914 mm	16" 406 mm	1 11/16" 43 mm	3,000 cfm 5,100 m³/h	285 lbs 129 Kg
25-2*	30" 762 mm	28 7/8" 733 mm	11 1/2" 292 mm	9 1/2" 241 mm	11 5/8" 295 mm	45 1/2" 1156 mm	17" 432 mm	2 3/16" 56 mm	4,000 cfm 6,796 m³/h	410 lbs 186 Kg
30-2*	34" 864 mm	33 5/8" 854 mm	13 1/2" 343 mm	11" 279 mm	13 3/4" 349 mm	49 1/4" 1257 mm	19" 483 mm	2 7/16" 62 mm	6,000 cfm 10,194 m³/h	500 lbs 227 Kg
35-2*	38" 965 mm	36 1/8" 918 mm	14 1/2" 368 mm	12" 305 mm	14 1/2" 368 mm	51 1/8" 1299 mm	22" 559 mm	2 7/16" 62 mm	7,000 cfm 11,893 m³/h	635 lbs 288 Kg
40-2*	42" 1067 mm	41 1/4" 1048 mm	16 1/2" 419 mm	13 1/2" 343 mm	16 1/2" 419 mm	53 1/4" 1353 mm	24" 610 mm	2 7/16" 62 mm	8,000 cfm 13,592 m³/h	850 lbs 386 Kg
45-2*	46 1/2" 1181 mm	46 3/8" 1178 mm	18 1/2" 470 mm	15" 381 mm	18 1/2" 470 mm	54 3/4" 1391 mm	26 1/2" 673 mm	2 15/16" 75 mm	11,000 cfm 18,689 m³/h	975 lbs 442 Kg
50-2*	52 1/2" 1334 mm	51 7/8" 1318 mm	20 1/2" 521 mm	17" 432 mm	20 1/2" 521 mm	59 3/4" 1518 mm	30" 762 mm	3 7/16" 87 mm	14,000 cfm 23,786 m³/h	1,400 lbs 635 Kg
55-2*	57" 1448 mm	57 7/8" 1470 mm	23" 584 mm	19" 483 mm	23 1/2" 597 mm	61 7/8" 1565 mm	32" 813 mm	3 7/16" 87 mm	17,000 cfm 28,883 m³/h	1,600 lbs 726 Kg
60-2*	62 1/2" 1588 mm	64 3/16" 1630 mm	25 1/2" 648 mm	21" 533 mm	25 1/2" 648 mm	63 7/8" 1622 mm	35" 889 mm	3 7/16" 87 mm	22,000 cfm 37,378 m³/h	1,850 lbs 839 Kg

*For more detailed measurement and specification information, refer to the Tech Sheet corresponding to the model number (i.e. Tech Sheet 15-3, Tech Sheet 25-2, etc.) or visit our website at bloapco.techsheets.



MOTOR
Right side mount shown.
Left side mount optional.

Proven Family of Products

"Pierce-and-Tear" SHREDDING

- Industry's lowest noise and dust levels
- Low equipment down time and maintenance
- Annual energy savings — lower horsepower
- Improved operator ergonomics
- Greater through-put
- Improved compaction or baleability

AUXILIARY EQUIPMENT

Auto-Bale Transfer

- Fully automatic
- Exclusive push/pull action separates bales
- Pneumatically operated
- Auto-tie or closed door balers

Non-Clogging Diverters

- Operated or controlled
 - Pneumatically
 - Mechanically
 - Manually

PNEUMATIC SYSTEMS

Cyclones and Separators

- Models from 1000 to 75,000 CFM

TRIM CUTTERS

- Impact or shear cutting actions
- Light, medium & heavy-duty applications
- Versatile, multiple configurations
- Dependable, reliable, proven

MATERIAL HANDLING SYSTEMS

SHREDDERS

MATERIAL HANDLING FANS

TRIM CUTTERS

DIVERTERS

CYCLONES/SEPARATORS

RETURN AIR/DUST COLLECTORS

BALE TRANSFER

SEAL DRUM CONVEYORS

PLANT UPGRADES/EXPANSIONS

TURNKEY SYSTEMS

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Scrap
Handling
Technology
of CHOICE**

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