Shown with HPF Kit

J&D Manufacturing

Recirculation Fan

AIRBLASTER

PRECISION VELOCITY

How can *you* benefit from the AirBlaster?

NO dead spaces at the target level!

SAVE $ ON ENERGY BILL

- Variable speed
- Precise and uniform speed control
- Decrease power usage by slowing fan down to increase thrust CFM/Watt
  - ~ 93.7 thrust CFM/Watt at 40% speed

HIGHEST PERFORMANCE

- 41,265 thrust CFM
- Perfect fan for minimum winter and maximum summer ventilation
- 61.4 thrust CFM/Watt @ 50% speed

NO MORE MAINTENANCE

- No belts, pulleys tensioners, bearings, or gears
- Rugged, corrosion-resistant housing
- Durable, rust-free hardware

SAVE ON FREIGHT COSTS

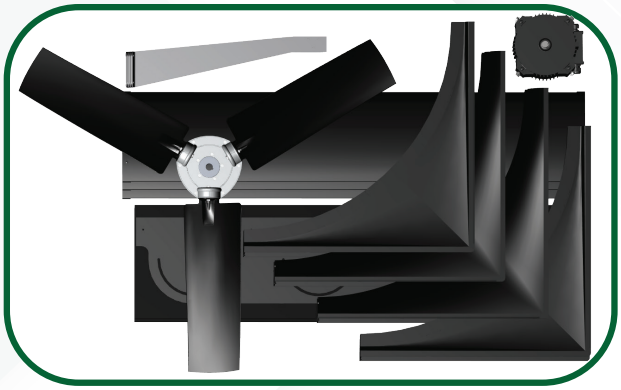
- Get up to 75 individually boxed fans on each truck
- Fans are easy to assemble and install

Shipping & Mounting

Shipping

The AirBlaster Recirculation Fan is easy to assemble, and it's packaged in such a way to reduce shipping costs. You can get up to 75 fans per truckload.

When ordering 75 fans or less, each fan will come in it's own individual box, knocked down. This makes installation a breeze by having all pieces and hardware in one location for each fan.



Mounts From the Ceiling

The AirBlaster Recirculation Fan easily mounts to chains hung from the ceiling. This is the perfect fan for low profile ceilings. The angle of the fan gives you more space to mount and still be OSHA compliant. The AirBlaster weighs 185 lbs ***less*** than the 72" Competition!

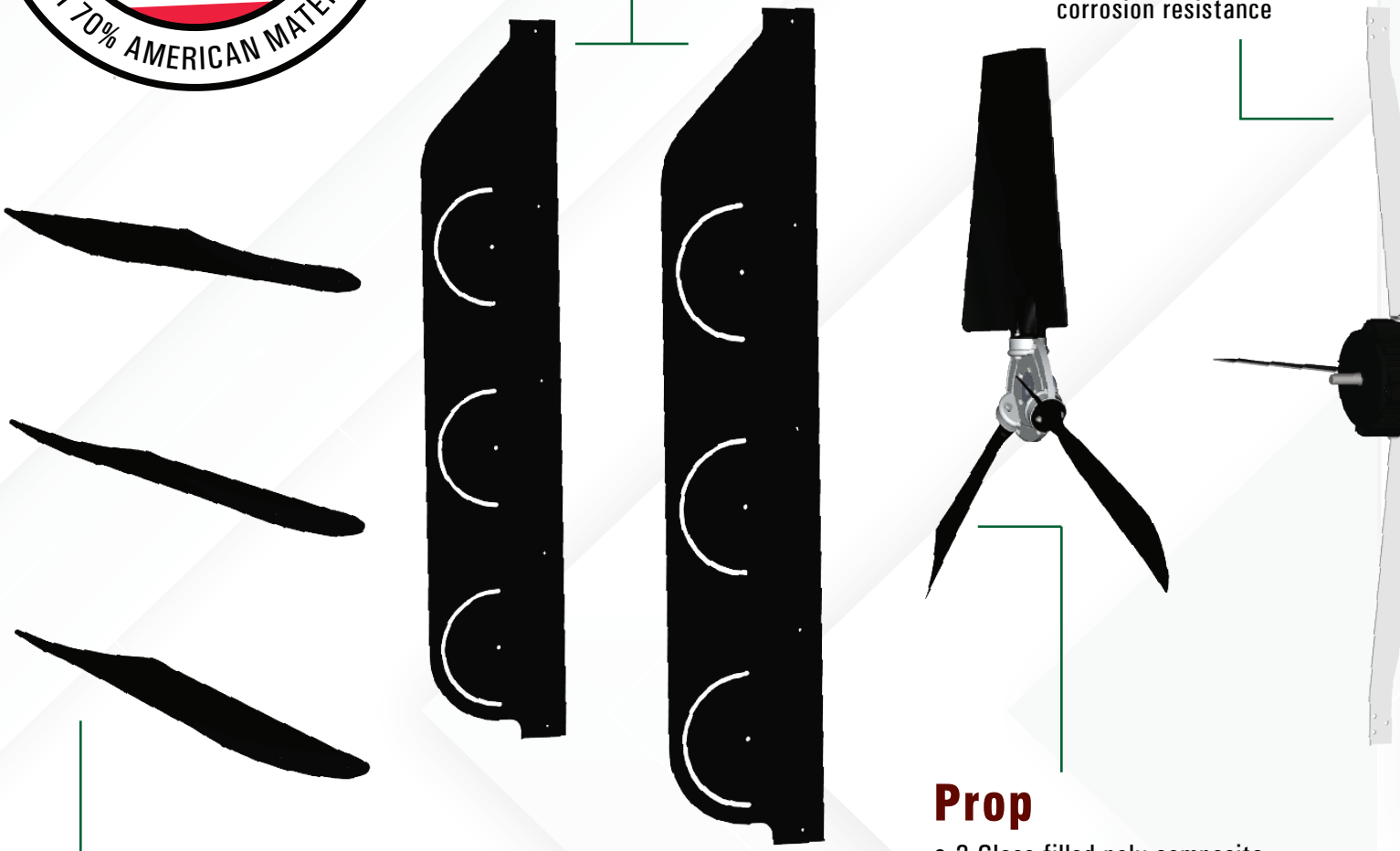
3 Louvers - Uni-directional

4 Louvers - Bi-directional

Add HPF for enhanced cooling!

AirBlaster

MADE IN THE USA
WITH 70% AMERICAN MATERIALS



Motor Frame

- Motor-centric with minimal air impedance
- 304 Stainless-steel for corrosion resistance

Louvers (3 or 4)

- 1-Piece extruded PVC louver with poly propylene end caps
- Threaded brass insert to hold louvers in place
- Slotted side panels allow for the louvers to be adjusted to direct the air

Prop

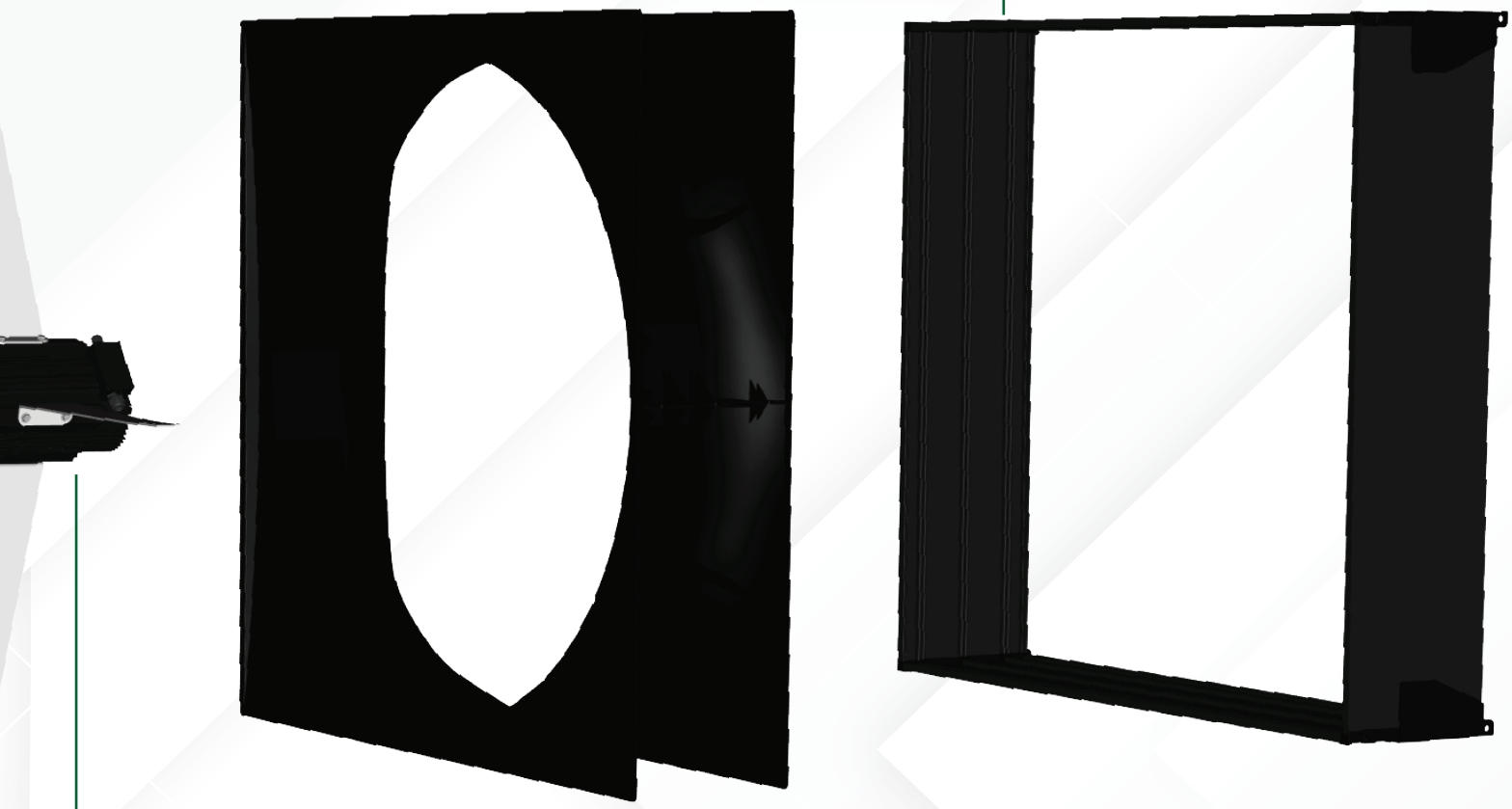
- 3 Glass-filled poly composite blades for durability
- Die-cast aluminum hub
- Airfoil profile
- Optimally pitched for increased performance

The AirBlaster Recirculation Fan uses a maintenance-free, direct drive, permanent magnet motor. It eliminates the need for greasing bearings and changing belts. The housing is made of strong poly while the frame is all stainless-steel preventing rust and corrosion in any environment.

Available with 3 OR 4 Louvers! 3 - Uni-directional, 4 - Bi-directional.

Housing

- Rugged, corrosion-resistant poly
- Precision injection molded



JD-Drive Motor

- PM Direct Drive, efficient 2.2kW motor
- Internal Motor Drive
  - Soft Start
  - Variable speed
  - Precise and uniform speed control
- Surge Protected
- IP65-Rated
- Industrial extruded aluminum housing
- Will not interfere with RFID
- Pre-wired with 8′ line power cord and 8′ signal cord

JD Drive
JD-Drive Motor

Proven Performance Data

What happens when you only apply a certain percentage power to the AirBlaster? ***You save energy!*** This is especially beneficial for minimum winter ventilation. Still get the airflow you need, but save on your energy bill.

#Request TheTest

Part #	Sz	HP	Volts	Amps NP	Hz	Ph	Spd	Speed % or levels	Thrust (lbf)	Thrust Eff. Ratio	kW	RPM	Thrust CFM	Thrust CFM/ Watt
VAB58L3P3223B-CK	58"	2.24 kW	190-240	11.7-10.1	60	3	1/Var^	100%	57.3	21.7	2.64	602	41,265	15.6
								90%	45.3	24.0	1.89	537	36,703	19.5
								80%	36.7	27.2	1.35	481	33,043	24.4
								70%	28.2	31.4	0.90	421	28,941	32.2
								60%	20.7	36.6	0.57	361	24,824	43.8
								50%	14.4	42.7	0.34	302	20,704	61.4
								40%	10.2	54.9	0.19	244	17,420	93.7

Averages

AirBlaster Ft/Min

1 ft off Floor	Distance from Fan								
Location from Fan	10'	20'	30'	40'	50'	60'	70'	80'	90'
16' R		405	591	544	529	440	313	257	253
12' R	184	587	780	643	543	445	360	285	245
8' R	248	740	762	599	517	424	325	276	242
4' R	248	834	838	651	539	428	330	269	238
CENTERLINE	118	971	896	674	552	429	348	270	251
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8' L	248	740	762	599	517	424	325	276	242
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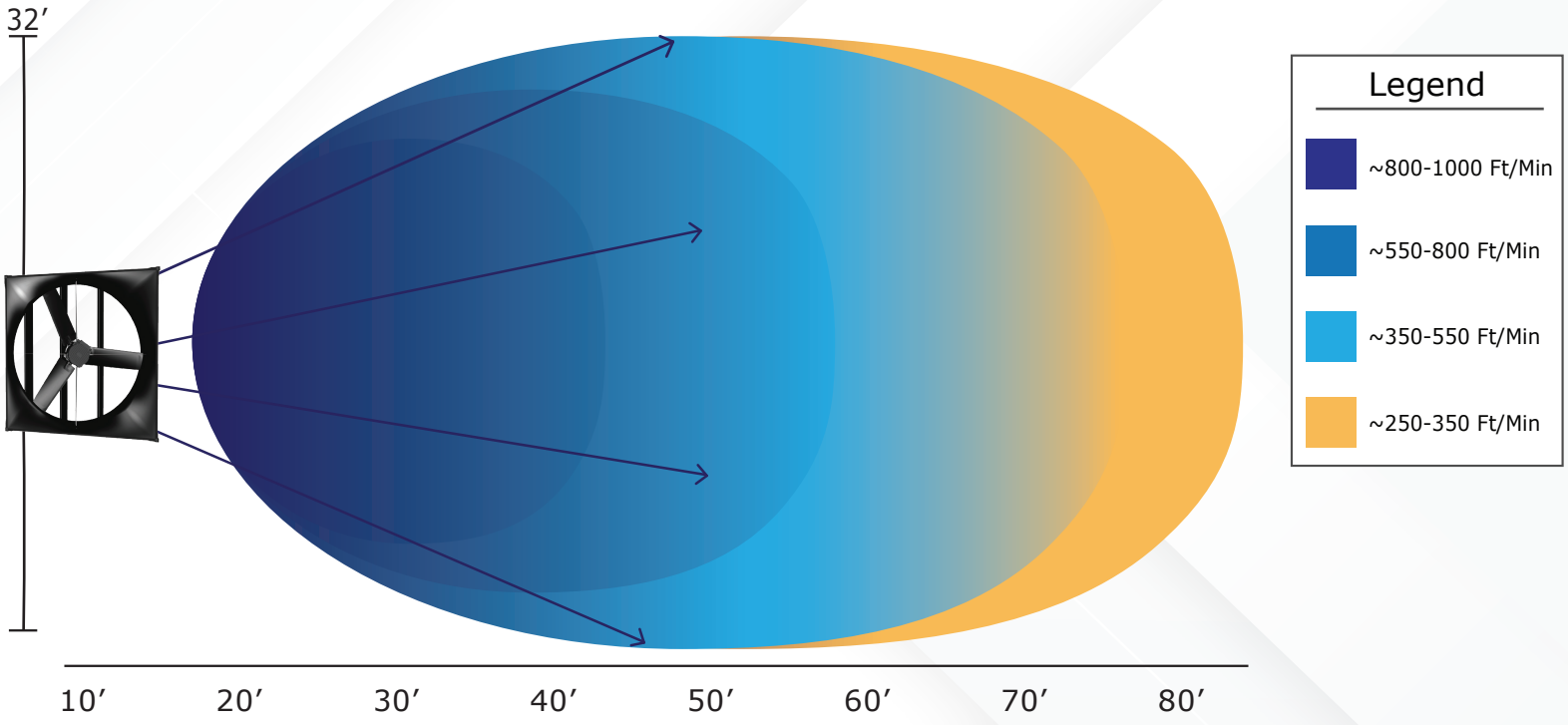


DOUBLE the number of fans to throw the ***SAME AMOUNT*** of air ***WILL*** increase your ***ROI***

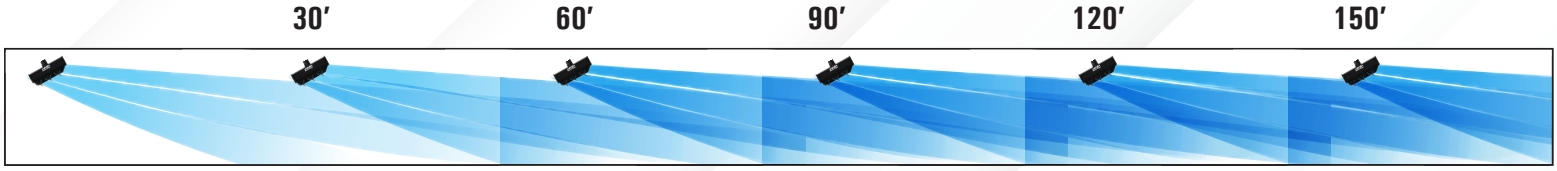
That statement seems ridiculous from a fan manufacturer. We're telling you to buy twice the number of fans you need to throw the same amount of air. The reason is when you run the AirBlaster at 50% of it's maximum speed, the energy you save in doing so goes up exponentially.

J&D recommends a maximum fan spacing of 60'.

Consider this example out of California:

Fan Model:	VAB58L3P3223B-CK
% Of performance:	100%
Fan Spacing:	60'
Cost per month:	$376.38
Months:	12
Number of Fans:	25
Total Energy cost:	$112,914.00

When the AirBlaster operates at 100% speed, it will throw 41,265 CFM. When operating the fan this way, the trust CFM/Watt will be 15.6. If you double the number of fans, slow them down to 50% speed, you'll get 20,700 thrust CFM at 61.4 thrust CFM/Watt.



Fan Model:	VAB58L3P3223B-CK
% of performance:	50%
Fan Spacing:	30'
Cost per month:	$48.47
Months:	12
Number of Fans:	50
Total Energy cost:	$29,082.00

A producer could see a ROI in as little as two years.

With a 3 year warranty, you can't go wrong!

YOUR VENTILATION EXPERTS

J&D Manufacturing

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