Euramco Safety Worldwide

Manufacturers of RAMFAN Portable Ventilators

PORTABLE VENTILATION FOR WORKING PROFESSIONALS



PRODUCT CATALOG 2015

Industrial Workplace | Hazardous Workplace | Fire Rescue | Marine | Military

RAMFAN



Sales and Customer Service

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Technical Assistance

Our Customer Service Support and Engineers are available to assist you with any set-up, operation or application inquiries during our hours of operation. Operation manuals are also included in product packages. For assistance please contact Customer Service or email theteam@euramcosafety.com.

Placing Your Order

Contact our Customer Service Department if you need help with placing your order.

For prompt, accurate ordering please be able to provide the following:

- A Purchase Order or letter with the company name or logo, address & approval signature. Purchase Orders must include a P.O. #, Bill To Address, Ship To Address, Model #, Order #, quantity of each products ordered and shipping method.

  Purchase Orders can be received by
  Fax: +1 (619) 670-7345 or
  Email: theteam@euramcosafety.com

- A confirmation will follow all orders placed.

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Contents of this catalog are subject to change without notice.

TABLE OF CONTENTS



INDUSTRIAL WORKPLACE 1

Electric



HAZARDOUS WORKPLACE 11

Electric • Air



FIRE RESCUE 21

Gas • Electric • Water



ACCESSORIES 47

Ducting • Misting Systems • Plugs

America China Europe Middle East

EURAMCO SAFETY'S CERTIFIED PRODUCT MARK OF EXCELLENCE

Euramco Safety's Certified Product Mark is our visual statement to you that *RAMFAN Portable Ventilation Fans* are Quality Manufactured and have been tested by Recognized Third Party Testing Facilities throughout the world to certify all product performance information quoted in our catalog, sales materials and on our website is accurate. In addition, the Certified Product Mark assures you that all required operating certifications and designations required by the applicable agencies are in order and available for your review.

Euramco Safety is an ISO 9001:2008 Company: ISO 9000 is the internationally recognized Quality Management Standard used in more than 760,000 companies in 154 countries to maintain an internationally accepted standardized quality management throughout the world. Our commitment to this standard means our products are built in accordance with documented procedures and control processes to ensure ongoing uniformity and reliability.

The Air Movement and Control Association | The *Air Movement and Control Association* is the worldwide recognized authority for the development of standards and measurement of air movement. Euramco Safety is a member of AMCA and uses their PPV test. ANSI/AMCA Standard 240 - *Laboratory Methods of Testing Positive Pressure Ventilators for Aerodynamic Performance Rating* establishes a uniform method of laboratory testing of positive pressure ventilators (PPVs) in order to determine the airflow rate.

ATEX Hazardous Conditions Directive 94/9/EC | This directive applies to all electrical equipment for use in potentially explosive atmospheres; defined as gas, vapor or mist and are capable of causing an explosion through their own potential sources of ignition. RAMFAN Hazardous Location Fans are Whole Unit ATEX Certified for use in dangerous work environments as defined above anywhere in the world.

IECEx | The objective of the IECEx System is to facilitate international trade for equipment and services for use in explosive atmospheres, while maintaining the required level of safety. The IECEx has put in place a number of Confirmity Assessment Schemes which provide assurance that equipment and systems are manufactured and operated according to the highest International Standards of safety.

Underwriters Laboratories, Inc. | UL is an independent, third party product safety certification organization that evaluates products for compliance to specific standards and permits those products that comply to carry the UL Mark. The UL Mark is recognized worldwide as a symbol of product safety.

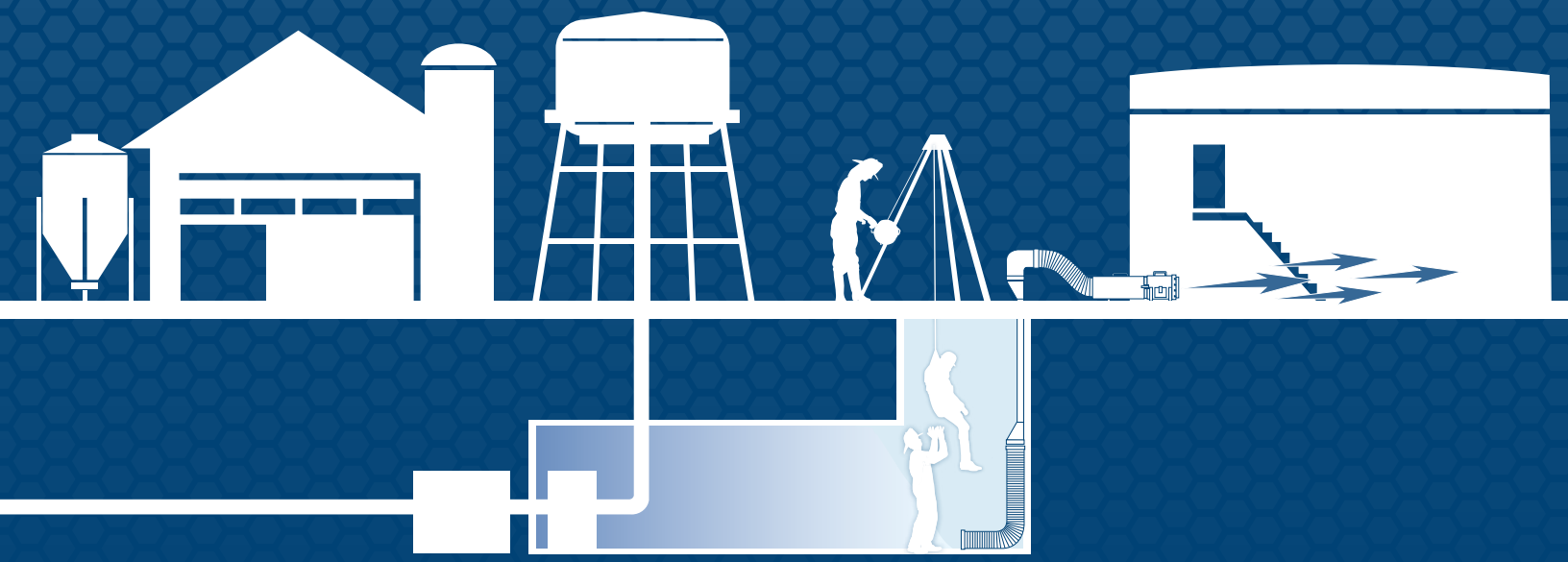
INMETRO – National Institute of Metrology, Normalization and Industrial Quality in Brazil | Products obtain the INMETRO Certification Mark when they meet National Standards or specific technical requirements as detailed in the Brazilian Conformity Evaluation System (SBAC).

Uniform Conformity Procedures Set Forth By the European Union | The CE Mark is a mandatory marking for certain product groups and certifies that a product meets EU consumer safety, health or environmental requirements. In order to use the CE mark on a product the manufacturer must draw up a Declaration of Conformity in which they attest conformity with all relevant EU Directives.

CSA – Canadian Standard Association | CSA International is a recognized provider of product testing and certification services throughout the world. The CSA Mark signifies the product has been tested and meets applicable U.S. and Canadian Standards, including those from CSA and UL for safety and performance.

PLEASE NOTE: You can find certification markings from the above organizations throughout the catalog. Refer to page 53 for certification numbers and markings.

INDUSTRIAL WORKPLACE



INDUSTRIAL WORKPLACE

RAMFAN combines high performance turbofan design with high strength polymers to create a line of rugged, portable turbo blowers. The UB-Line is ideal for general use, confined space, hazardous ventilation and delivers the highest airflow in their class. The double-wall, polyethylene casing is light-weight, corrosion and chemical resistant and handles the bumps and falls of any job site.



8”/20cm | UB20
Blower/Exhauster

- Powerful, compact size and lightweight
- High pressure axial blower with ultra-quiet operation
- Corrosion-proof, dent-resistant and virtually indestructible
- IP55 rain tested switch enclosure
- Double-walled UV resistant polyethylene housing
- Thermal switch provides overheat protection
- 15’/4.6m AC power cord
- 15’/4.6m DC power cord w/ battery clips
- IMPA Code: ED7002 - 591406
- NSN Number: 4940-01-559-9190



UB20 (12V DC)

MODEL	UB20 (60Hz)	UB20 (50Hz)	UB20 (12V)
Order #	**ED7002**	**ED8002**	**ED9002**
STOCK LOCATIONS			
FREE AIR 15ft/4.6m 1-90° turn 15ft/4.6m 2-90° turns	980cfm/1,666m³/hr 789cfm/1,341m³/hr 666cfm/1,132m³/hr	819cfm/1,392m³/hr 659cfm/1,120m³/hr 558cfm/948m³/hr	862cfm/1,465m³/hr 695cfm/1,181m³/hr 586cfm/996m³/hr
IMPELLER	9-blade	9-blade	9-blade
DUCT ADAPTER(S)	1	1	1
WEIGHT	17lbs/8kg	17lbs/8kg	17lbs/8kg
DIMENSIONS (h/w/d)	14/12/13 in 355/305/330 mm	14/12/13 in 355/305/330 mm	14/12/13 in 355/305/330 mm
NOISE	74dB	74dB	74dB
MOTOR	0.33Hp/0.25kW	0.33Hp/0.25kW	0.25Hp/0.19kW
ELECTRIC	115VAC, 1ø, 50/60Hz	240VAC, 1ø, 50/60Hz	12V DC
AMPS – RUN/START	2.5A/9.5A	1.3A/4.8A	11.5A
APPROVALS	c UL us	c UL us CE	CE

Airflow Certified by Colorado Experimental Engineering Station, Inc. (CEESI)

See page 14 for hazardous location models



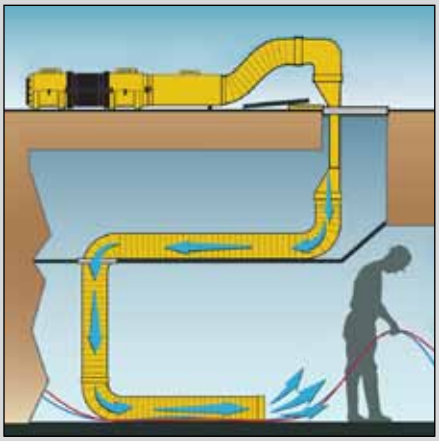




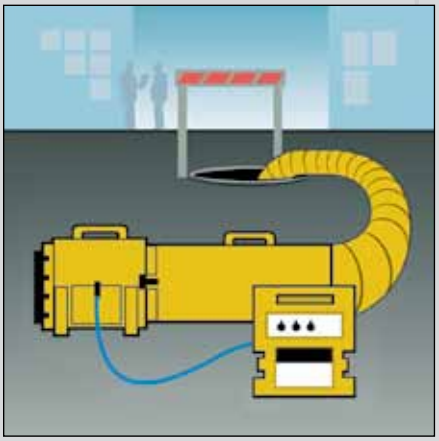



Ventilation System Applications

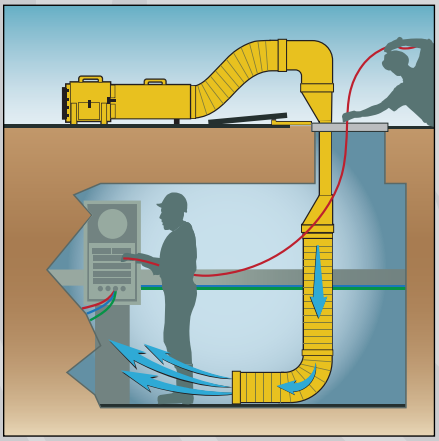
UB20 Turbo-Couple™



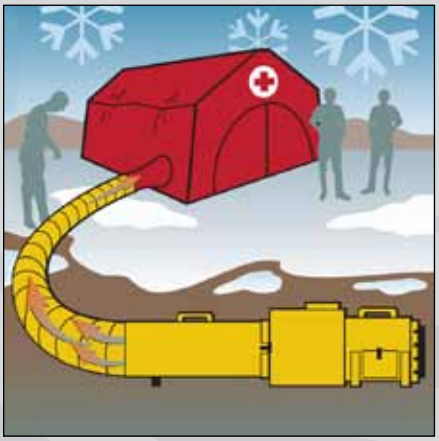
UB20 Battery-Pak



UB20 M.E.D.*



UB20 Heating System



EFi-Series Box Fans



* UB30 Compatible with Reducer Accessory.



Quick-Couple™ Reversible Canister

Detachable in seconds, the Quick-Couple™ Canister with attached duct conveniently reverses from discharge to suction, making use and storage easier while protecting duct from rips and tears. Available with 15'/4.6m or 25'/7.6m of duct.

15'/4.6m blower w/ canister:
14h x 12w x 31.5d in.
35.6h x 30.5w x 80d cm

25'/7.6m blower w/ canister:
14h x 12w x 41.5d in.
35.6h x 30.5w x 105d cm

Order #	System Includes
ED7015	8" 115V Blower/Exhauster, Quick-Couple™ Canister w/ 15' duct
ED7025	8" 115V Blower/Exhauster, Quick-Couple™ Canister w/ 25' duct
ED8015	20cm 240V, Blower/Exhauster, Quick-Couple™ Canister w/ 4.6m duct
ED8025	20cm 240V, Blower/Exhauster, Quick-Couple™ Canister w/ 7.6m duct
ED9015	8" 12V Blower/Exhauster, Battery Clips, Quick-Couple™ Canister w/ 15' duct
ED9025	8" 12V Blower/Exhauster, Battery Clips, Quick-Couple™ Canister w/ 25' duct

UB20 Turbo-Couple™

Long Distance Ventilation Solution

Quick-connecting two or more RAMFAN UB20 axial blowers in series increases airflow up to 50% when blowing through long, winding duct runs.

Designed for duct runs up to 25'/7.6m, the UB20 airflow significantly drops when blowing through more than 75'/22.9m of duct or when confronted with multiple turns in the duct.

Long, winding duct runs need more power and pressure to deliver sufficient airflow, a costly proposition. The Turbo-Couple™ delivers what is needed by quickly joining two or more UB20's in series, each adding pressure and power to deliver a dramatic airflow increase through the duct.

Simple, cost effective and now available.

- Pushes *MORE* air through long winding ducts
- Ventilate through 250ft/75m duct
- UB-line compatible
- High impact polyethylene housing



Order #	System Includes
ED7300	Turbo-Couple™ Accessory
ED7000TC	8" 115V, 50/60Hz Blower/Exhausters (qty. 2) and Turbo-Couple™
ED8000TC	20cm 240V, 50/60Hz Blower/Exhausters (qty. 2) and Turbo-Couple™

Battery Pak & Charger – 12V DC High-Low Control UB20



RAMFAN's long-life Battery Pak now with dual high-low speed control. Pulse width modulation extends battery life up to 8 hours in low setting yet gives a full 2.5 hours on high. UB20 fan can be powered by vehicle battery with supplied connector. Built-in charger allows you to fully recharge the battery cable in 12 hours.

Purge the area on high for 10 minutes, reduce to low speed (low-noise as well) and maintain fresh air for the whole work shift. Ideal for construction job sites to eliminate noisy gasoline-engine blowers.

- High-low control enables fast-purge ventilation and lower speed for maintaining safe work space
- High impact case includes battery and built-in charger for overnight charging
- Up to 10 hours of continuous operation
- Lightweight and portable

Order #	System Includes
BPV-12/BPV-12CE	12V DC Battery Pak w/ built in Charger
ED9015-BAT/ED9015-BATCE	8"/20cm Blower/Exhauster, 12V DC Battery Pak with Built-in Charger, Quick-Couple™ Canister with 15'/4.6m duct
ED9025-BAT/ED9025-BATCE	8"/20cm Blower/Exhauster, 12V DC Battery Pak with Built-in Charger, Quick-Couple™ Canister with 25'/7.6m duct






UB20 M.E.D.™
Manhole Entry Device

The M.E.D.™ allows workers to enter and exit through small man-size openings while maintaining continuous ventilation. Without such a device, duct fills the manhole opening, preventing rapid entry and exit.

Tightly integrated into the UB-line of confined space ventilation equipment, RAMFAN's M.E.D.™ is quick to assemble and the new swiveling elbow makes duct alignment easy.

Changing its cross-section from circular to elliptical and back to circular minimizes loss and optimizes airflow into a confined space, while providing adequate room for the worker to enter and exit unimpeded. The rugged polyethylene construction endures heavy wear and tear and will last for years.

Comprised of three components, the M.E.D.™, swiveling elbow, and universal mount, the RAMFAN M.E.D.™ system increases safety by maintaining continuous airflow.

- Ventilate without blocking entry
- Maintain airflow while working
- UB-line compatible
- High impact polyethylene housing

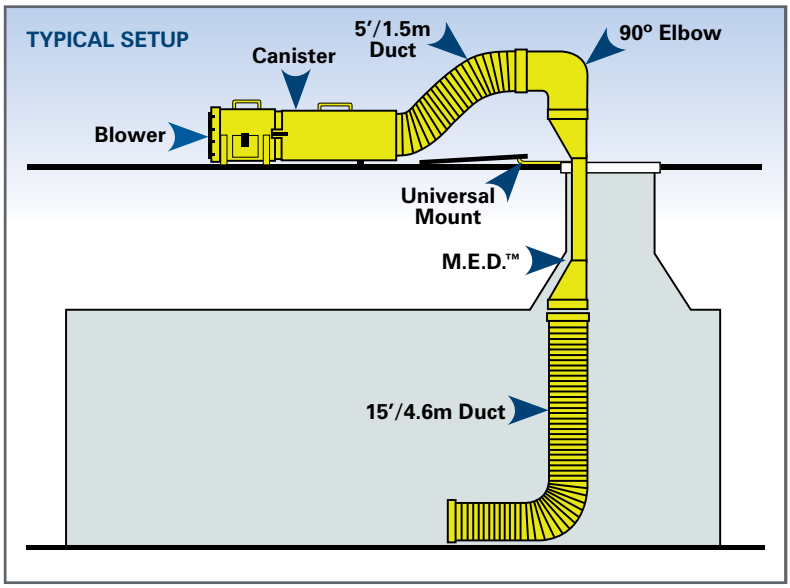


See page 15 for anti-static M.E.D.™ System



System Includes (or may be individually ordered): 8"/20cm Blower/ Exhauster, Quick-Couple™ Canister with 15'/4.6m and 5'/1.5m of duct, Manhole Entry Device, 90° Elbow, Universal Mount, 8"/20cm duct adapter for additional duct connections.

Order #	
ED7015-MED	M.E.D. System with 115V, 50/60Hz Blower
ED8015-MED	M.E.D. System with 240V, 50/60Hz Blower
ED9015-MED	M.E.D. System with 12V DC Blower



SET-UP PROCEDURE

1. Remove Manhole Lid
2. Place Manhole Mount at the edge of the manhole so that the hook on the mount is hanging a few inches over the manhole. Place the Manhole lid at the opposite end (lid will be propped up by manhole mount).
3. Attach the 15'/4.6m Duct to the bottom of the M.E.D.™
4. Secure the M.E.D.™ by hooking onto Manhole Mount
5. Attach the 90° Elbow by lining up the arrows at the bottom of the elbow with the arrows at the top of the M.E.D.™ then twisting a half rotation.
6. Set up Blower and Canister with 5'/1.5m Duct approx. 7'/2m away from manhole. Attach Canister to blower using the rubber latches on the side of the Canister.
7. Pull out Duct from Canister and attach to the 90° Elbow
8. Plug Blower into power source and turn on.

UB20 In-Line Heating System

RAMFAN's UB20 In-Line Heating System with its propane-fired, heat-exchanger provides safe, warm breathing air during cold conditions.

- For tent/shelter or confined space heating
- Airflow can cycle with heat or run continuous for confined space ventilation
- Remote thermostat included
- Up to 10 hours of continuous operation with standard propane cylinder tank
- Heater attaches quickly and easily to UB20 blower
- Includes propane regulator and connection assembly
- Easy access top mounted heater control panel
- Compatible with UB20 M.E.D.™ system
- 15'/4.6m power cord w/ IP55 rain tested switch enclosure



MODEL	HA01
STOCK LOCATIONS	
FREE AIR Straight Duct 1-90° turn 2-90° turns	947cfm 15ft: 520cfm 25ft: 521m³/hr 15ft: 485cfm 25ft: 432m³/hr 15ft: 467cfm 25ft: 414m³/hr
DUCT ADAPTER(S)	1
POWER	115VAC, 1ø, 60Hz
OUTPUT	55k BTU (gross)
WEIGHT	32lbs
DIMENSIONS (h/w/d)	22/13/14 in
APPROVALS	

Airflow Certified by Colorado Experimental Engineering Station, Inc. (CEESI) *HA04 70k BTU optional

ORDER PACKAGES	
Confined Space Heating	
Order #	**HA01-100HT**
System Options	UB20 8" Blower, Heater with Regulator, Quick-Couple™ Canister w/ 15' Duct
Order #	**HA01-125HT**
System Options	UB20 8" Blower, Heater with Regulator, Quick-Couple™ Canister w/ 25' Duct
Tent/Shelter Heating	
Order #	**ED7125-HT**
System Options	UB20 8" Blower, Heater with Regulator, 15' Duct, Duct Storage Bag



Patent nos. D583,461; D585,972; D588,537

12”/30cm | UB30
High Volume Blower/Exhauster

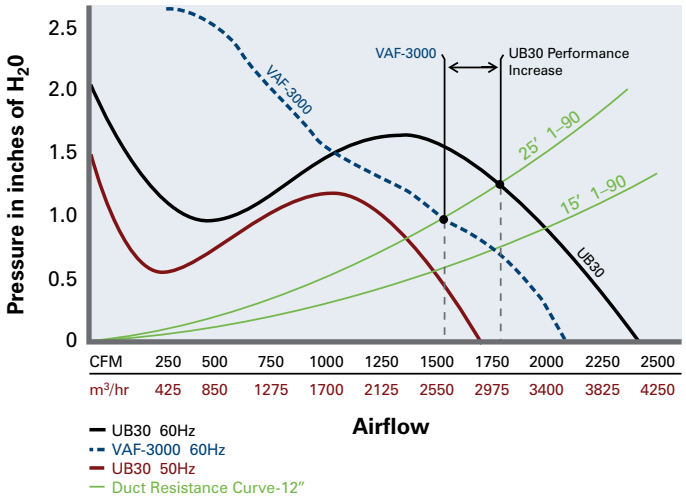
- Dual voltage/dual frequency/one unit
- High impact polyethylene shell
- Glass-filled nylon turbo fan blade
- Low starting amps
- IP55 rain tested switch enclosure
- Stackable design feature
- Comes with standard 15’/4.6m power cord
- Compatible with UB20 M.E.D™ System
- IMPA Codes:
  EJ4002 - 591403
  EJ8002 - 591407

Optional Accessories: Standard Duct, Duct Storage Bag, Duct Reducer/ Adapter



MODEL	UB30	UB30
Order #	**EJ4002**	**EJ8002**
STOCK LOCATIONS		
FREE AIR	2,420cfm/4,114m³/hr	2,017cfm/3,429m³/hr
15ft/4.6m Duct		
Straight	2,250cfm	2,805m³/hr
1-90° turn	2,050cfm	2,550m³/hr
2-90° turns	1,875cfm	2,340m³/hr
25ft/7.6m Duct		
Straight	1,950cfm	2,465m³/hr
1-90° turn	1,825cfm	2,380m³/hr
2-90° turns	1,750cfm	2,250m³/hr
IMPELLER	11-blade	11-blade
DUCT ADAPTER(S)	2	2
WEIGHT	37lbs/17kg	37lbs/17kg
DIMENSIONS (h/w/d)	20/15.5/12 in 508/394/305 mm	20/15.5/12 in 508/394/305 mm
NOISE	95dB	95dB
MOTOR	1Hp	0.8kW
ELECTRIC	115V, 1ø, 50/60Hz	240V, 1ø, 50/60Hz
AMPS – RUN/START	8A/33A	5A/17A
APPROVALS	c UL us	c UL us CE

COMPETITIVE/PERFORMANCE











EFi120/150

16”/40cm | EFi50/EFi120/EFi150
High Volume Blower/Exhauster

- Engineered to move high volumes of air
- Stackable for additional easy storage
- High strength, glass reinforced ABS housing is lightweight, corrosion-proof and chemical resistant
- IP55 rain tested switch enclosure
- New polymer TurboForce™ impeller for increased shatter resistance and enhanced performance
- 15ft/4.6m power cord included
- IMPA Codes:
  EA8000 (110V) - 591502
  EA8000-230 (230V) - 591502

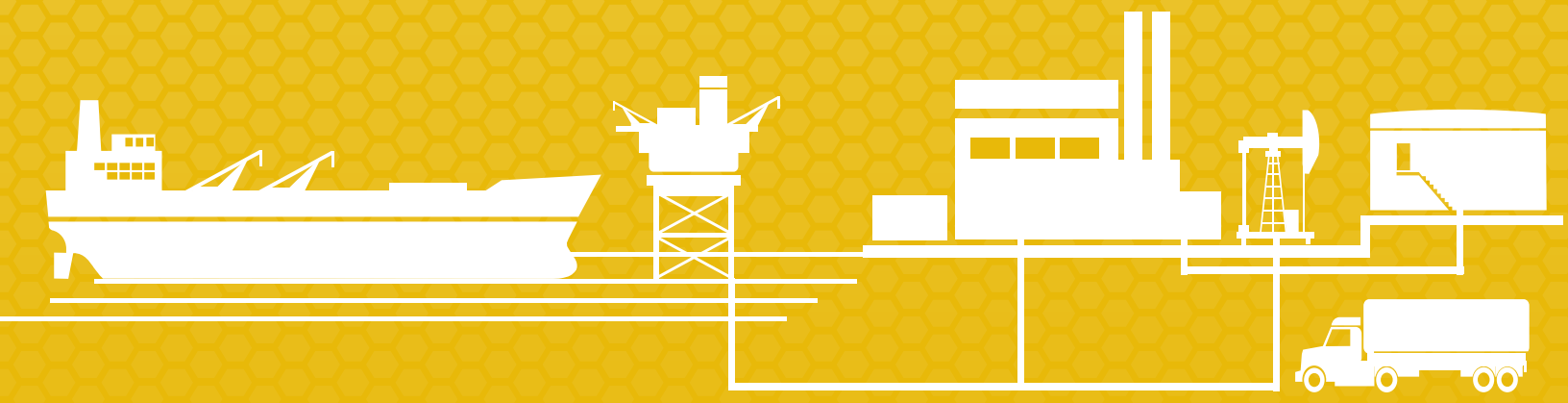
Optional Accessories: Standard Duct, Disposable Duct, Layflat Duct, Duct Carrying Bags, 16”/40cm Multi-purpose Accessory Pack

MODEL	EFi50	EFi120 (50Hz)	EFi150
Order #	**EA8000, EA8000-230**	**EA8120**	**EG8200, EG8200-230**
STOCK LOCATIONS			
FREE AIR 15ft/4.6m 1-90° turn	3,200cfm/5,440m³/hr 1,934cfm/3,289.5m³/hr	3,750cfm/6,375m³/hr 2,700cfm/4,590m³/hr	4,459cfm/7,580m³/hr 3,179cfm/5,404m³/hr
IMPELLER	21-blade	7-blade	7-blade
DUCT ADAPTER(S)	2	2	2
WEIGHT	46lbs/21kg	53lbs/24kg	55lbs/25kg
DIMENSIONS (h/w/d)	19/18/16 in 483/457/407 mm	19/18/16 in 483/457/407 mm	19/18/16 in 483/457/407 mm
NOISE	90.2dB	86.1dB	90.2dB
MOTOR	0.5Hp/0.37kW	1.2Hp/0.9kW	1.5Hp/1.1kW
ELECTRIC	115/230VAC, 1ø, 50/60Hz	110/240VAC, 1ø, 50Hz	115/230VAC, 1ø, 50/60Hz
AMPS – RUN/START	115V: 21A 230V: 10A 115V: 6A 230V: 3A	110V: 54A 240V: 27A 110V: 12A 240V: 5A	115V: 80A 240V: 40A 115V: 15A 230V: 8A
APPROVALS	–	CE	–






HAZARDOUS WORKPLACE



Worldwide Certified Explosion-Proof Ventilators

Euramco Safety has designed and manufactured a line of fans specifically for use in hazardous atmospheres to meet the standards specified by the ATEX Directive 94/9/EC, IECEx, CE, INMETRO and UL. Our certifications cover the whole unit: the motor, terminal box, power cable, fan blade and labeling.

These Standards apply to all electrical equipment to prevent or minimize potential source of ignition in hazardous gas, dust or vapor atmospheres, to the extent defined in the charts below.

The chart explains the ATEX Identification Numbering System. The highlighted areas specifically apply to the ATEX string seen on Euramco Safety's certified hazardous location fans.

EQUIPMENT GROUP & CATEGORY

Equipment Group	Equipment Category	Protection Level	Hazard Gas	Hazard Dust	Use
I - Mining	M1	Very high protection	–	–	Operable in Ex atmosphere
	M2	High protection	–	–	De-energized in Ex atmosphere
II - Industrial (non-Mining)	1	Very high protection	G	–	Zones 0, 1, 2
			–	D	Zones 20, 21, 22
	2	High protection	G	–	Zones 1, 2
			–	D	Zones 21, 22
	3	Normal protection	G	–	Zone 2
			–	D	Zone 22

CLASSIFICATION OF HAZARDOUS AREAS

Area Classification Gases	Area Classification Dusts	Zone Criteria (based on frequency and duration)
Zone 0	–	Potentially Explosive substance present continuously or for long periods > 1000hrs/yr
–	Zone 20	
Zone 1	–	Potentially Explosive substance likely to be present in normal operation > 10hrs > 1000hrs/yr
–	Zone 21	
Zone 2	–	Potentially Explosive substance unlikely to be present in normal operation, if it does will only be for short periods <10hrs/yr
–	Zone 22	

ATEX STRING

Equipment Group **II**
Equipment Category **2**
Hazard **G**

Gas Group **IIB**

Conditions & Subdivisions **Gb**

II 2 G Ex de IIB T6 Gb

Ignition Protection Category **Ex de**

Temperature Class **T6**

IGNITION PROTECTION CATEGORIES

Ignition Protection Categories	I.D.	Can Be Used In	Safety Principle	
Increased safety	Ex e	Zone 1	No arcs, sparks or hot surfaces	Junction Box
Non-sparking equipment	Ex nA	Zone 2		
Pressurized encapsulation	Ex d	Zone 1	Controls an internal explosion and extinguishes the flame	Motor
Sand encapsulation	Ex q	Zone 1		
Enclosed switching device	Ex nC	Zone 2		
Intrinsic safety (special requirements)	Ex ia	Zone 0	Limits the energy of the sparks and the temp. of the surface	
Intrinsic safety temperature	Ex ib	Zone 1		
Energy-limiting equipment	Ex nL	Zone 2		
Encapsulation	Ex m	Zone 1	Separates source of ignition from potentially explosive atmosphere	
Oil encapsulation	Ex o	Zone 1		
Pressurization	Ex p	Zone 1		
Simplified pressurization	Ex nP	Zone 2		
Vapor-proof housing	Ex nR	Zone 2		

GAS GROUPS

Gas Group	Representative Test Gas
I	Methane (Mining only)
IIA	Propane
IIB	Ethylene
IIC	Hydrogen

Gases are classified according to the ignitability of gas-air mixture. Refer to IEC 60079-20 for classification of common gases and vapors.

Gas Group IIB includes all gases for Group IIA

Certifications:

IECEx UL Certificate #: **13.0062X**
EC-Type Examination Certificate #: **DEMKO 09 ATEX 0926969X**
INMETRO Certificate #: **UL-BR 13.0593X**
CE Hazardous Location Marking: **CE0539**
Ingress Protection: **IP55**

CONDITIONS & SUBDIVISIONS

Flammable Materials	Temporary Behavior of Explosive Atmosphere	Classication of Hazardous Areas	Group as Defined in Directive 94/9/EC	Equipment Category as Defined in Directive 94/9/EC	Equipment Group as Defined in EN 60079-0	Equipment Protection Level (EPL) as Defined in EN 60079-0
Gases/ Vapors	is present continuously or for long periods or frequently	Zone 0	II	1G	II	Ga
	arises in normal operation occasionally	Zone 1	II	2G or 1G	II	Gb or Ga
	is not likely to arise in normal operation, or if it does, will persist for a short time only	Zone 2	II	3G or 2G or 1G	II	Gc or Gb or Ga
Dusts	is present in the form of a cloud continuously, or for long periods or frequently	Zone 20	II	1D	III	Da
	occasionally develops into a cloud during normal operation	Zone 21	II	2D or 1D	III	Db or Da
	is not likely to develop into a cloud during normal operation, or if it does, for a short time only	Zone 22	II	3D or 2D or 1D	III	Dc or Db or Da
Methane Carbon Dust	operation where there is a risk of explosion	–	I	M1	I	Ma
	disconnection where there is a risk of explosion	–	I	M2 or M1	I	Mb or Ma

TEMPERATURE CLASSES

Class	T1	T2	T3	T4	T5	T6
	MAXIMUM SURFACE TEMPERATURE					
	450ºC	300ºC	200ºC	135ºC	100ºC	85ºC
IIA	Acetone Ammoniac Benzene Acetic Acid Ethane Ethyl Acetate Ethyl Chloride Methane Methanol Naphthalene Phenol Propane	i-Amylacetate n-Butane n-Butyl Alcohol	Gasolines Diesel Fuels Heating Oils n-Hexane	Acetyl-dehyde	–	–
IIB	Town gas (lighting gas)	Ethylene Ethylene Oxide	Hydrogen Sulfide	Ethylether	–	–
IIC	Hydrogen	Acetylene	–	–	–	Carbon

Gas Group IIB, Class t6 includes all specifications for Gas Group IIA, Class T1-T6 and Gas Group IIB, T1-T6

Highlighted areas in charts apply to Euramco Safety's ATEX Certification String



8"/20cm | UB20xx
Hazardous Location Blower/Exhauster

- Worldwide certified explosion-proof or safe use in a variety of adverse atmospheres
- Compact and lightweight
- Tough dual wall casing – weather proof, chemical resistant and dent proof
- IP55 rain tested switch enclosure
- Ultra-quiet operation
- Power cable is 30ft/9m long. See page 50 for plug options.
- IMPA Codes: EF7002 - 591416 EF8002 - 591417
- NSN Number: 4940-01-603-7098

Optional Accessories: Quick-Couple™ Canister, Duct Adapters, Anti-Static Duct, Duct Carrying Bags



Part No. EF0304x
Duct Adapter

MODEL	UB20xx (60Hz)	UB20xx (60Hz) with Q-C Canister*	UB20xx (50Hz)	UUB20xx (50Hz) with Q-C Canister*
Order #	**EF7002** **EF7005 (w/ duct adapter)**	**EF7015 (15'/4.6m duct)** **EF7025 (25'/7.6m duct)**	**EF8002** **EF8005 (w/ duct adapter)**	**EF8015 (15'/4.6m duct)** **EF8025 (25'/7.6m duct)**
STOCK LOCATIONS				
FREE AIR 15ft/4.6m 1-90° turn 15ft/4.6m 2-90° turns 25ft/7.6m 1-90° turn 25ft/7.6m 2-90° turns	980cfm/1,666m³/hr 789cfm/1,341m³/hr 666cfm/1,132m³/hr 722cfm/1,227m³/hr 614cfm/1,044m³/hr	980cfm/1,666m³/hr 789cfm/1,341m³/hr 666cfm/1,132m³/hr 722cfm/1,227m³/hr 614cfm/1,044m³/hr	819cfm/1,392m³/hr 659cfm/1,120m³/hr 557cfm/947m³/hr 603cfm/1,025m³/hr 510cfm/867m³/hr	819cfm/1,392m³/hr 659cfm/1,120m³/hr 557cfm/947m³/hr 603cfm/1,025m³/hr 510cfm/867m³/hr
DUCT ADAPTER(S)	1	0	1	0
WEIGHT	22lbs/10kg	22lbs/10kg	22lbs/10kg	22lbs/10kg
DIMENSIONS (h/w/d)	14/12/14 in 356/305/356 mm	14/12/14 in 356/305/356 mm	14/12/14 in 356/305/356 mm	14/12/14 in 356/305/356 mm
NOISE	74dB	74dB	74dB	74dB
MOTOR	0.33Hp/0.25kW	0.33Hp/0.25kW	0.33Hp/0.25kW	0.33Hp/0.25kW
ELECTRIC	115VAC, 1ø, 50/60Hz	115VAC, 1ø, 50/60Hz	220VAC, 1ø, 50Hz	220VAC, 1ø, 50Hz
AMPS – RUN	2A	2A	1.2A	1.2A
APPROVALS				







UB20xx M.E.D.™

Manhole Entry Device

The anti-static UB20xx system utilizes high strength polymers with an anti-static housing designed to discharge static build-up safely. The M.E.D.™ allows workers to enter and exit small man-size openings while maintaining continuous ventilation. Without such a device, duct fills the manhole opening, preventing rapid entry and exit.

Tightly integrated into the UB-line of confined space ventilation equipment, RAMFAN's M.E.D.™ is quick to assemble and the new swiveling elbow makes duct alignment easy.

Changing its cross-section from circular to elliptical and back to circular minimizes loss and optimizes airflow into a confined space, while providing adequate room for the worker to enter and exit unimpeded. The rugged polyethylene construction endures heavy, negligent use and will last for years.

Comprised of three components, the M.E.D.™, swiveling elbow, and universal mount, the RAMFAN M.E.D.™ system increases safety by maintaining continuous airflow.

- Ventilate without blocking entry
- Maintain airflow while working
- UB-line compatible
- Anti-Static housing

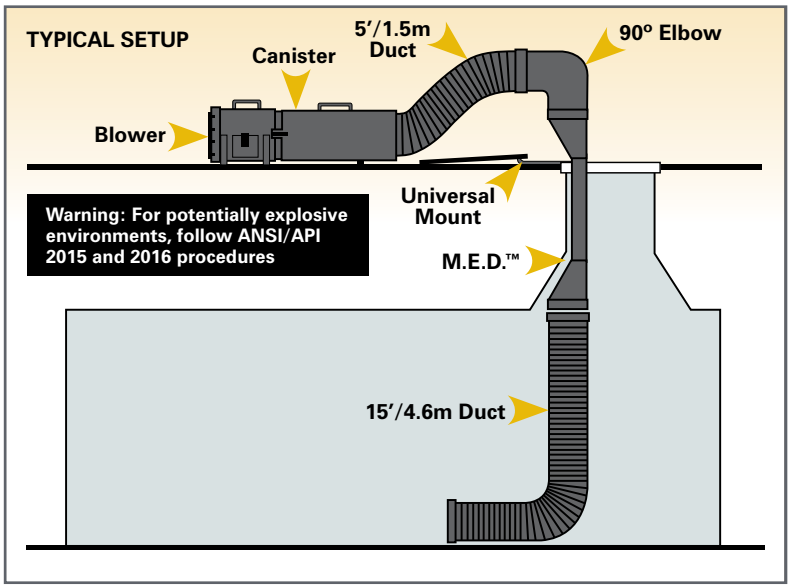


System Includes: 8"/20cm Blower/Exhauster, Quick-Couple™ Canister with 15'/4.6m and 5'/1.5m of duct, Manhole Entry Device, 90° Elbow, Universal Mount, 8"/20cm duct adapter for additional duct connections.

Patents: U.S. #6,843,274, #7,467,645, #7,992,593 B2; Canadian #2,561,299, #2,436,809; China CN1813137b; European #1491695; Australian 2004 202394



Order #	
EF7015-MEDXX	115V/60Hz Blower with 15'/4.6m and 5'/1.5m Duct
EF8015-MEDXX	220V/50Hz Blower with 15'/4.6m and 5'/1.5m Duct



SET-UP PROCEDURE

1. Remove Manhole Lid
2. Place Manhole Mount at the edge of the manhole so that the hook on the mount is hanging a few inches over the manhole. Place the Manhole lid at the opposite end (lid will be propped up by manhole mount).
3. Attach the 15'/4.6m Duct to the bottom of the M.E.D.™
4. Secure the M.E.D.™ by hooking onto Manhole Mount
5. Attach the 90° Elbow by lining up the arrows at the bottom of the elbow with the arrows at the top of the M.E.D.™ then twisting a half rotation.
6. Set up Blower and Canister with 5'/1.5m Duct approx. 7'/2m away from manhole. Attach Canister to blower using the rubber latches on the side of the Canister.
7. Pull out Duct from Canister and attach to the 90° Elbow
8. Plug Blower into power source and turn on.



12"/30cm | EFi75xx
Dual Voltage, Dual Frequency Blower/Exhauster

- ATEX certified for use in adverse atmosphere
- Tough, chemical resistant ABS housing, carbon-filled to conduct static charges to ground
- IP55 rain tested switch enclosure "watertight"
- Blow or exhaust hazardous/explosive gases safely
- Power cable is 30ft/9m long.
  See page 50 for plug options.
- IMPA Codes:
  EB7201xx (115V) - 591506, 591418, 591423
  EB7201xx-230 (230V) - 591506, 591419,591424

Optional Accessories: Anti-Static Duct, Duct Carrying Bags

MODEL	EFi75xx
Order #	EB7201XX/EB7201XX-230
STOCK LOCATIONS	
FREE AIR 15ft/4.6m 1-90° turn 15ft/4.6m 2-90° turns	2,500cfm/4,250m³/hr 1,664cfm/2,829m³/hr 1,529cfm/2,599m³/hr
IMPELLER	17-blade
DUCT ADAPTER(S)	2
WEIGHT	44lbs/20kg
DIMENSIONS (h/w/d)	16/15/16 in 406/381/406 mm
NOISE	89dB
MOTOR	0.75Hp/0.56kW
ELECTRIC	115/230VAC, 1ø, 50/60Hz
AMPS – START – RUN	115V: 37A 230V: 27A 115V: 7.2A 230V: 3A
APPROVALS	








EFi120/150xx

16”/40cm | EFi50xx/EFi120xx/EFi150xx
Stackable Blower/Exhauster

- Models EFi120xx and EFi150xx are whole-unit ATEX certified for safe use in adverse atmospheres
- Blow/exhaust hazardous or explosive gases safely
- High strength, anti-static glass reinforced ABS housing is lightweight, corrosion proof and chemical resistant
- IP55 rain tested switch enclosure
- Stackable for easy storage
- Power cable is 30ft/9m long.
  See page 50 for plug options.
- IMPA Codes:
  EG8200x (115V) - 591507
  EG8200xx-230 (230V) - 591507
- NSN Number: 4140-01-608-6001

Optional Accessories: Anti-Static Duct, Duct Carrying Bags

MODEL	EFi50xx	EFi120xx (50Hz)	EFi150xx
Order #	EA8000XX	EA8120XX	EG8200XX, EG8200XX-230
STOCK LOCATIONS			
FREE AIR 15’/4.6m 1-90° turn	3,200cfm/5,440m³/hr 1,935cfm/3,289m³/hr	3,750cfm/6,375m³/hr 2,700cfm/4,590m³/hr	4,459cfm/7,580m³/hr 3,179cfm/5,404m³/hr
IMPELLER	21-blade	7-blade	7-blade
DUCT ADAPTER(S)	2	2	2
WEIGHT	49lbs/22kg	55lbs/25kg	61lbs/28kg
DIMENSIONS (h/w/d)	19/18/16 in 483/457/407 mm	19/18/16 in 483/457/407 mm	19/18/16 in 483/457/407 mm
NOISE	90.2dB	86.1dB	90.2dB
MOTOR	0.5Hp/0.37kW	1.2Hp/0.9kW	1.5Hp/1.1kW
ELECTRIC	115/230VAC, 1ø, 50/60Hz	110/240V VAC, 1ø, 50Hz	115/230VAC, 1ø, 50/60Hz
AMPS – START – RUN	115V: 21A 230V: 10A 115V: 6A 230V: 3A	110V: 54A 240V: 27A 110V: 10A 240V: 5A	115V: 80A 230V: 40A 115V: 15A 230V: 8A
APPROVALS	LR66789 LISTED		Segurança






16”/40cm | AFi50xx
Hazardous Location
Air Driven Blower/Exhauster



- Pneumatic powered blower is safe for use in adverse atmospheres
- High strength, anti-static glass reinforced ABS housing is lightweight, corrosion proof and chemical resistant
- Exhausts OUTSIDE of duct, compressed air not in airstream
- Complete with filter, motor lubricator, exhaust muffler, air control valve and static grounding cord
- Stackable for easy storage
- IMPA Codes:
  AA7000 - 591512, 591426

Optional Accessories: Standard Duct, Anti-Static Duct, Duct Carrying Bags, Cooling Collar,

MODEL	AFi50xx
Order #	**AA7000**
STOCK LOCATIONS	
FREE AIR*	3,200cfm/5,440m³/hr
IMPELLER	21-blade
DUCT ADAPTER(S)	2
AIR CONSUMPTION	40cfm/68m³/hr
INDUCTION RATIO	80:1
WEIGHT	43lbs/20kg
DIMENSIONS (h/w/d)	19/21/16 in 480/530/407 mm
NOISE	89dB
MOTOR	GAST 4AM-NRV-50C
APPROVALS	CE

* Measurements @ 80psig inlet air






12”/30cm | AFi75xx
Hazardous Location
Air Driven Blower/Exhauster

- Pneumatic powered blower is safe for use in adverse atmospheres
- High strength, anti-static glass reinforced ABS housing is lightweight, corrosion proof and chemical resistant
- Complete with filter, motor lubricator, exhaust muffler, air control valve and static grounding cord
- Exhausts OUTSIDE of duct, compressed air not in airstream
- IMPA Codes:
  AB7000 - 591511, 591425

Optional Accessories: Standard Duct, Anti-Static Duct, Duct Carrying Bags



MODEL	AFi75xx
Order #	AB7000
STOCK LOCATIONS	
FREE AIR*	2,042cfm/3,471m³/hr
IMPELLER	17-blade
DUCT ADAPTER(S)	2
AIR CONSUMPTION	40cfm/68m³/hr
INDUCTION RATIO	51:1
WEIGHT	38lbs/15kg
DIMENSIONS (h/w/d)	16/17/16 in 410/430/410 mm
NOISE	89dB
MOTOR	GAST 4AM-NRV-50C
APPROVALS	CE

* Measurements @ 80psig inlet air











Venturi Cones | RV760S/RV760/RV1500

- Safe for use in adverse or explosive atmospheres when used with optional static cord
- Pneumatic (compressed air) or saturated steam powered
- Crush and dent resistant, anti-static, polyethylene cone
- Cylindrical mixing chamber delivers higher induction ratios
- Fits standard API 3"/7cm and 6"/15cm openings
- No moving parts
- Requires minimum maintenance
- IMPA Codes:
  RV760S - 591430
  RV760 - 591432
  RV1500 - 591433

Order #	Accessory
AZ-RAC-10	Static Cord



Optional Static Cord

MODEL	RV760S	RV760	RV1500
Order #	**RV760S**	**RV760**	**RV1500**
STOCK LOCATIONS			
INLET CONNECTION	0.5"/12.7mm NPT	0.5"/12.7mm NPT	1"/25.4mm NPT
FLANGE	API 3"/76.2mm (6.56"/167mm BC)	API 3"/76.2mm (6.56"/167mm BC)	API 6"/152.4mm (6.56"/167mm BC)
WEIGHT	5lbs/2kg	6lbs/3kg	19lbs/9kg
DIMENSIONS (d/h)	5/16 in 127/406 mm	8/33 in 203/838 mm	12/42 in 305/1067 mm
APPROVALS	CE	CE	CE

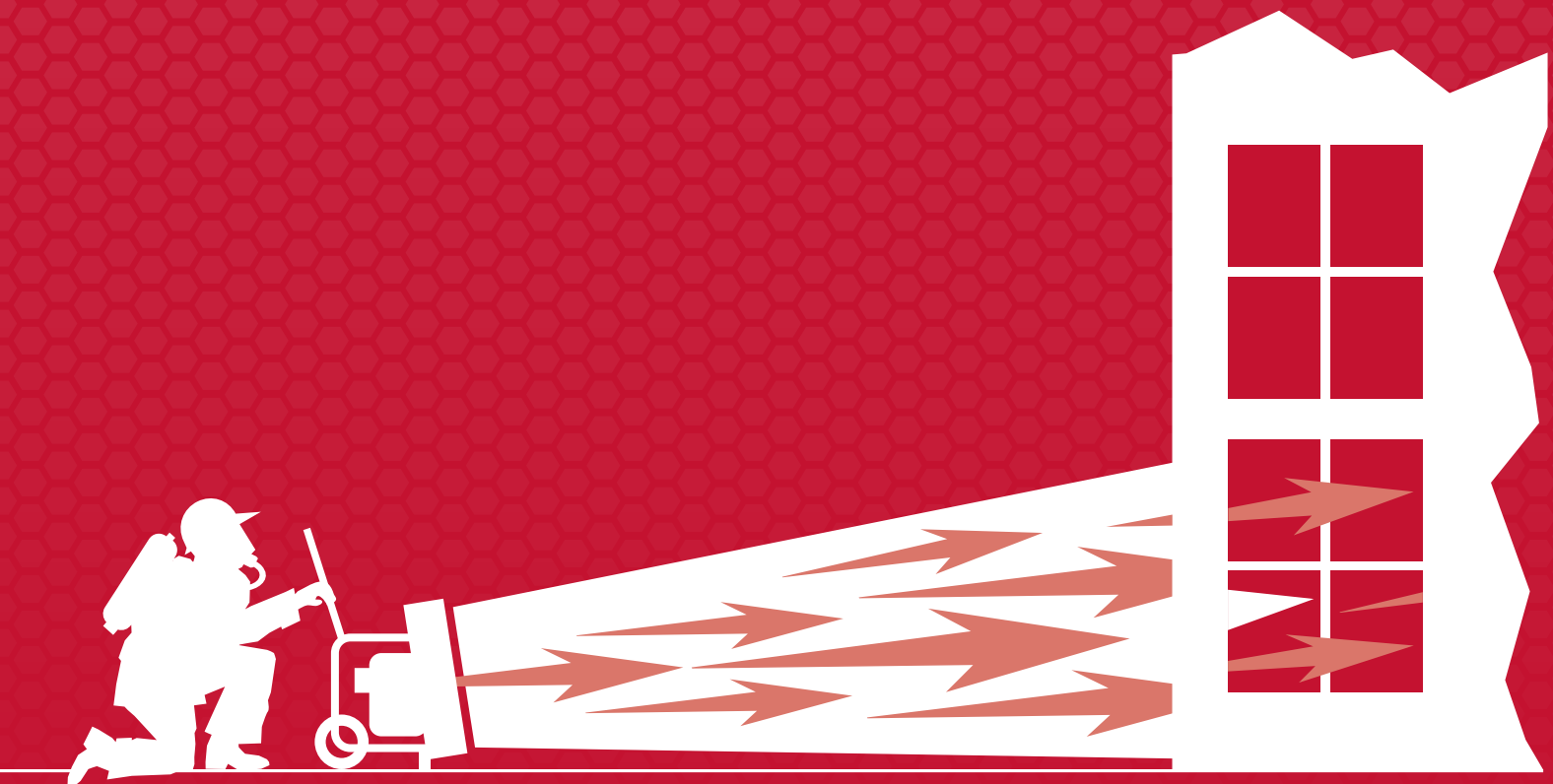
40PSIG INLET AIR			
FREE AIR	810cfm/1,377m³/hr	1,001cfm/1,702m³/hr	2,740cfm/4,658m³/hr
AIR CONSUMPTION	22cfm/37m³/hr	22cfm/37m³/hr	59cfm/100m³/hr
INDUCTION RATIO	37:1	46:1	47:1

80PSIG INLET AIR			
FREE AIR	1,180cfm/2,006m³/hr	1,439cfm/2,446m³/hr	3,329cfm/5,659m³/hr
AIR CONSUMPTION	58cfm/99m³/hr	58cfm/99m³/hr	124cfm/211m³/hr
INDUCTION RATIO	20:1	25:1	27:1






FIRE RESCUE



Go the Distance with *PowerStream*®



Traditional RAMFAN Turbo Ventilators certainly have their place. Tried and true, tested and trusted, they've been with you for five, ten, even 15 years. And they've never let you down. However, there comes a time when a new innovation in equipment technology makes you reconsider everything you've always thought about PPV.

PowerStream® Technology, only from RAMFAN

PowerStream® ventilation results from a state-of-the-art combination of a fan impeller and stator that takes the cone of air you've always used for PPV and tightens it to keep it focused over longer distances without losing significant power. *PowerStream*® is like going from a fog nozzle to straight bore. You still get the same, dependable flow of air to ventilate a structure, you can just do it from farther away.

CLOSE RANGE:
Both *PowerStream*® and Conventional fans can operate in close range of the door.

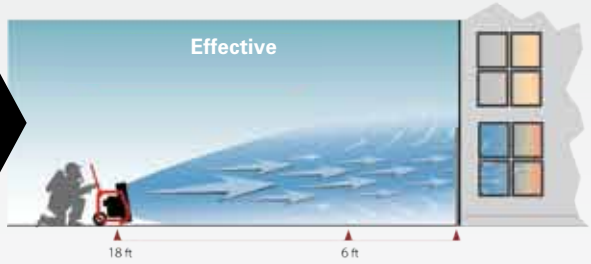


POWERSTREAM



CONVENTIONAL

AT 18 FEET:
Only *PowerStream*® fans can be set back as far as 18 feet and be equally effective as 6 feet.





PowerStream® Technology: Benefits of further setback distance 6–18ft/ 1.8–9.7m

- No more fans in your way while you get in and victims get out
- No more tripping over cords or kicking over fans
- Flexible positioning to get exactly the right spot for maximum performance
- Less interior noise to interfere with communications
- No other manufacturer can compete with our INDEPENDENTLY VERIFIED cfm and setback distances



***PowerStream*® PPV Blowers**
3-Year Warranty



How do you measure manufacturer claims of airflow delivery?

You may hear a lot about airflow rates on various pieces of equipment. While some manufacturers produce their own in-house ratings, others choose independent firms. The issue with self-rating is that there is no common reference point.

Take a simple standard like a ruler or yardstick. What would the world be like if everyone made their own "ruler"? You'd get a lot of variation, wouldn't you? You really need a common reference point provided by an independent, unbiased organization to get a benchmark for a measurement. In the United States, the American National Standards Institute (ANSI) is one such group. In Europe, the European Committee for Standardization (CEN) is another.

The Air Movement and Control Association (AMCA) provides the benchmark for the ventilation industry. AMCA is a non-profit international association of manufacturers that develops standards and measures equipment airflow delivery rates on an independent and non-biased basis. They have testing facilities in both North America and Europe.

The AMCA 240 test procedure for positive pressure ventilators uses a standard 36" x 72" door opening. Because larger diameter fans are constricted by the standard door opening, the AMCA test procedure can accurately measure airflow for fans up to 21" in diameter. Currently no standardized test procedure exists for larger fans. Fans larger than 21" require a greater structure opening than a standard single doors due to the wide cone of air.

The lesson here is that smart buyers ask for AMCA Certified Ratings. They don't rely on manufacturer claims, which are difficult if not impossible to verify. If the fan company cannot provide an AMCA rating on their PPV equipment, you may find that their airflow is not what it's claimed to be.



16”/40cm | GX200

Lightest PPV Fan Ever – Only 48 lbs.!

- *PowerStream*® Air Straighteners support greater setback distances up to 18 ft/ 6m reducing the noise level inside the building while allowing the entry/exit to keep clear of obstructions for advancing firefighters
- Ultra Lightweight — Only 48lbs/22kg!
- GX200 has the Highest Airflow (12,800cfm) to Horsepower (2.1Hp) Ratio on the market
- Honda GXH50 engine produces 56% Less CO than comparable 5Hp engines
- Compact, for easy storage in typical engine compartments
- 7-Blade Polymer TurboForce™ Impeller for increased shatter resistance and enhanced PPV performance
- Full-width Folding Handle for easy maneuvering
- WIDE-Trac Semi-Pneumatic Urethane Tires easily roll over mud or rough terrain
- Welded, Unitized Steel Frame, off-road “Roll Cage” design with wide footprint reduces vibration and lengthens service life. No bolts to shake loose!
- ONE-Step™ Tilt Adjustment – easily change the angle of the fan from 0–18° in four precise steps. Fan can ventilate over steps, porches, slopes and other fireground obstacles

MODEL	GX200
Order #	**GG5010**
STOCK LOCATIONS	
PPV AIRFLOW	12,820cfm/21,794m³/hr
IMPELLER	7-blade
WEIGHT	48lbs/22kg
DIMENSIONS (h/w/d)	21.5/19.5/20.5 in 55/50/52 cm
NOISE	91dB@3ft/1m 86dB@10ft/3m
MOTOR	Honda 2.1Hp/1.6kW GXH50
RUN TIME	1hr 40min
APPROVALS	CE
CERTIFICATION	AMCA






18”/46cm | GX310
Versatile PPV Blower

- *PowerStream*® Air Straighteners support greater setback distances up to 18ft / 6m reducing the noise level inside the building while allowing the entry/exit to keep clear of obstructions for advancing firefighters
- PowerShroud® design combines the shroud, front fan guard, air straighteners, tilt handle and mister into a single unitized polycarbonate-abs shell for lighter weight and extreme durability. -30–120°F (-3–50°C) operating range
- Compact, for easy storage in typical engine compartments
- 9-Blade Polymer TurboForce™ Impeller for increased shatter resistance and enhanced PPV performance
- Full-width Folding Handle for easy maneuvering
- WIDE-Trac Semi-Pneumatic Urethane Tires easily roll over mud or rough terrain
- Welded, Unitized Steel Frame, off-road “Roll Cage” design with wide footprint reduces vibration and lengthens service life. No bolts to shake loose!
- ONE-Step™ Tilt Adjustment – easily change the angle of the fan from 0–18º in four precise steps. Fan can ventilate over steps, porches, slopes and other fireground obstacles

Optional Accessories: Integrated Misting System, Hour Meter, BIGbore™ Exhaust Diverter



MODEL	GX310
Order #	**GH5010**
STOCK LOCATIONS	
PPV AIRFLOW	16,968cfm/28,846m³/hr
IMPELLER	9-blade
WEIGHT	82lbs/37kg
DIMENSIONS (h/w/d)	21.6/21.7/19.6 in 55/55/50 cm
NOISE	100dB@3ft/1m 95dB@10ft/3m
MOTOR	Honda 4.8Hp/3.5kW GX160
RUN TIME	2hrs 6min
APPROVALS	CE
CERTIFICATION	AMCA








18”/46cm | GX350

Most Versatile PPV Blower in its Class

- *PowerStream*® Air Straighteners support greater setback distances up to 18ft / 6m reducing the noise level inside the building while allowing the entry/exit to keep clear of obstructions for advancing firefighters
- PowerShroud® design combines the shroud, front fan guard, air straighteners, tilt handle and mister into a single unitized polycarbonate-abs shell for lighter weight and extreme durability. -30–120°F (-35–50°C) operating range
- Compact, for easy storage in typical engine compartments
- 9-Blade Polymer TurboForce™ Impeller for increased shatter resistance and enhanced PPV performance
- Full-width Folding Handle for easy maneuvering
- WIDE-Trac Semi-Pneumatic Urethane Tires easily roll over mud or rough terrain
- Welded, Unitized Steel Frame, off-road “Roll Cage” design with wide footprint reduces vibration and lengthens service life. No bolts to shake loose!
- ONE-Step™ Tilt Adjustment – easily change the angle of the fan from 0–18° in four precise steps. Fan can ventilate over steps, porches, slopes and other fireground obstacles

Optional Accessories: Integrated Misting System, Hour Meter, BIGbore™ Exhaust Diverter

MODEL	GX350
Order #	**GH5005**
STOCK LOCATIONS	
PPV AIRFLOW	18,705cfm/31,799m³/hr
IMPELLER	9-blade
WEIGHT	84lbs/38kg
DIMENSIONS (h/w/d)	21.6/21.7/19.6 in 55/55/50 mm
NOISE	101dB@3ft/1m 97dB@10ft/3m
MOTOR	Honda 5.5Hp/4.1kW GX200
RUN TIME	1hr 50min
APPROVALS	CE
CERTIFICATION	AMCA








21"/54cm | GX400

High Power PPV for ANY Building

- *PowerStream*® Air Straighteners support greater setback distances up to 18ft/6m reducing the noise level inside the building while allowing the entry/exit to keep clear of obstructions for advancing firefighters
- Compact, for easy storage in typical engine compartments
- 7-Blade Polymer TurboForce™ Impeller for increased shatter resistance and enhanced PPV performance
- Full-width Folding Handle for easy maneuvering
- WIDE-Trac Semi-Pneumatic Urethane Tires easily roll over mud or rough terrain
- Welded, Unitized Steel Frame, off-road "Roll Cage" design with wide footprint reduces vibration and lengthens service life. No bolts to shake loose!
- ONE-Step™ Tilt Adjustment – easily change the angle of the fan from 0–18° in four precise steps. Fan can ventilate over steps, porches, slopes and other fireground obstacles

Optional Accessories: Integrated Misting System, Hour Meter, BIGbore™ Exhaust Diverter



POWERED by HONDA

VANGUARD

MODEL	GX400	GX400
Order #	**GE5022**	**GE5010**
STOCK LOCATIONS		
PPV AIRFLOW	16,797cfm/28,555m³/hr	16,797cfm/28,555m³/hr
IMPELLER	7-blade	7-blade
WEIGHT	88lbs/40kg	94lbs/43kg
DIMENSIONS (h/w/d)	24.9/25/22 in 63/64/56 cm	24.9/25/22 in 63/64/56 cm
NOISE	99dB@3ft/1m 95dB@10ft/3m	99dB@3ft/1m 95dB@10ft/3m
MOTOR	Honda 5.5Hp/4.1kW GX200	Vanguard 6.5Hp/4.8kW 13L333
RUN TIME	1hr 50min	1hr 50min
APPROVALS	CE	CE
CERTIFICATION	AMCA	–








16”/ 40cm | EX400/EX420
Variable Speed Turbo Blower

- Equipped with *PowerStream*® to support greater setback distances reducing the noise level inside the building and allows the entry/exit to keep clear of obstructions for advancing firefighters.
- IntelliSense™ water-resistant variable speed controls deliver continuous airflow adjustment from zero to maximum speed.
- Model EX400 with dual current feature. With the flip of a toggle switch, power fan from GFCI 20A fire truck circuit to GFCI 15A house circuit or start from 2kW generator by controlling in-rush current.
- 7-blade polymer TurboForce™ impeller for increased shatter resistance and enhanced PPV performance.
- 1”/25mm powder coated steel frame with all-terrain semi-pneumatic tires
- Full-width retractable handle for upright, push/pull operation
- 0–20° tilt adjustment for fast, easy set-up

Optional Accessories: Standard Duct, Disposable Duct, Layflat Duct, Duct Carrying Bags

MODEL	EX400 (Dual Current)	EX420
Order #	**EB80600**	**EB88245**
STOCK LOCATIONS		
PPV AIRFLOW	9,989cfm/16,981m³/hr	10,994cfm/18,690m³/hr
IMPELLER	7-blade	7-blade
WEIGHT	68lbs/31kg	68lbs/31kg
DIMENSIONS (h/w/d)	22.6/17.4/18.5 in 57/44/47 cm	22.6/17.4/18.5 in 57/44/47 cm
NOISE	88dB@3ft/1m 84dB@10ft/3m	88dB@3ft/1m 84dB@10ft/3m
MOTOR	1.5Hp/1.1kW	1.5Hp/1.1kW
ELECTRIC	115V, 1ø, 15 or 20A, 60Hz	230V, 1ø, 10A, 50/60Hz
APPROVALS	–	CE
CERTIFICATION	AMCA	–

DUAL CURRENT






18”/46cm | EX500/EX520
Variable Speed Ventilator



- Equipped with *PowerStream*® to support greater setback distances reducing the noise level inside the building and allows the entry/exit to keep clear of obstructions for advancing firefighters.
- PowerShroud® design combines the shroud, front fan guard, air straighteners, tilt handle and mister into a single unitized polycarbonate-abs shell for lighter weight and extreme durability. -30–120°F operating range
- Model EX500 with dual current feature. With the flip of a toggle switch, power fan from GFCI 20A fire truck circuit to GFCI 15A house circuit or start from 2kW generator by controlling in-rush current.
- Compact, for easy storage
- 5-Blade polymer Turbo-Force™ impeller for increased shatter resistance and enhanced PPV performance
- 1”/25mm powder coated steel frame with all-terrain semi-pneumatic tires
- Full-width retractable handle for upright, push/pull operation
- 0–20° tilt adjustment for fast, easy set-up

Optional Accessories: Integrated Misting System

MODEL	EX500 (Dual Current)	EX520
Order #	**EK86500**	**EK86520**
STOCK LOCATIONS		
PPV AIRFLOW	11,540cfm/19,618m³/hr	13,354cfm/22,702m³/hr
IMPELLER	5-blade	5-blade
WEIGHT	70lbs/32kg	70lbs/32kg
DIMENSIONS (h/w/d)	23.5/21/18.5 in 60/53/47 cm	23.5/21/18.5 in 60/53/47 cm
NOISE	95dB@3ft/1m 91dB@10ft/3m	95dB@3ft/1m 91dB@10ft/3m
MOTOR	1.5Hp/1.1kW	1.5Hp/1.1kW
ELECTRIC	115V, 1ø, 15 or 20A, 60Hz	230V, 1ø, 10A, 50/60Hz
APPROVALS	–	CE
CERTIFICATION	AMCA	AMCA

DUAL CURRENT








18”/46cm | XP500/XP520
Exposion Proof Ventilator

- ATEX certified motor is completely enclosed for safe use in dangerous atmospheres
- Purges hazardous or explosive gases safely
- 5-Blade polymer TurboForce™ impeller for increased shatter resistance and enhanced PPV performance
- Equipped with *PowerStream*® to support greater setback distances reducing the noise level inside the building and allowing the entry/exit to keep clear of obstructions for advancing firefighters
- 1”/25mm powder coated steel frame with all-terrain semi-pneumatic tires
- Full width retractable handle for upright, push/pull operation
- 0–20˚ tilt adjustment for fast, easy set-up



MODEL	XP500	XP520
Order #	**EB90600X**	**EB90600X-230**
STOCK LOCATIONS		
PPV AIRFLOW	11,540cfm/19,618m³/hr	13,354cfm/22,702m³/hr
IMPELLER	5-blade	5-blade
WEIGHT	72lbs/33kg	72lbs/33kg
DIMENSIONS (h/w/d)	23.5/21/18.5 in 60/53/47 cm	23.5/21/18.5 in 60/53/47 cm
NOISE	97dB@3ft/1m 95dB@10ft/3m	97dB@3ft/1m 95dB@10ft/3m
MOTOR	1.5Hp/1.1kW	1.5Hp/1.1kW
ELECTRIC	115V, 1ø, 15A, 50/60Hz	230V, 1ø, 8A, 50/60Hz
APPROVALS	–	CE






Water Powered Turbo Blowers

First Choice of Naval Forces Worldwide

RAMFAN Water Powered Turbo Blowers are used by Naval Forces worldwide for smoke removal, ventilation and cooling during combat operations.



21"/54cm | WF540 Solution to High Rise Underground and Warehouse Ventilation

- Water powered, intrinsically safe
- 6-blade polymer TurboForce™ impeller for increased shatter resistance and enhanced PPV performance.
- Water control valve provides direct control of airflow at blower
- Outlet for water recycling (closed circuit) to conserve water supply
- Wide range tilt adjustment
- Powder coated steel frame with full-width folding handle
- Equipped with *PowerStream*® to support greater setback distances reducing the noise level inside the building and allows the entry/exit to keep clear of obstructions for advancing firefighters.
- Integral misting system

Optional Accessories: Many water connection fittings and ducting configurations available. Call for details.

MODEL	WF540		
Order #	**WD5010**		
STOCK LOCATIONS			
PPV AIRFLOW	22,443cfm@150psi 38,154m³/hr@0.8MPa		
IMPELLER	7-blade		
WEIGHT	75lbs/34kg		
DIMENSIONS (h/w/d)	25.6/24.8/20.9 in 650/630/530 mm		
MOTOR	5.2Hp@150psi 6kW@1.75MPa		
PRESSURE/FLOW	**Nominal:** **Max:**	0.8MPa/471lpm 250psi/70gpm	116psi/124gpm 250psi/221gpm
APPROVALS	CE		






Safer...

RAMFAN's water powered design eliminates the threat of electrical shock and minimizes explosion potential in dangerous gas environments.

More Efficient..

RAMFAN's patented Axial Flow Turbine Technology leads the way in converting water power into high velocity airflow more efficiently than any water fan on the market today.

Better...

RAMFAN's axial turbine is bult of corrosion-proof composite materials for long life, simple maintenance and easy replacement of parts.

16"/40cm | WF390L High Volume PPV Blower

- Water powered
- 7-blade polymer TurboForce™ impeller for increased shatter resistance and enhanced PPV performance.
- Outlet for water recycling (closed circuit) to conserve water supply
- Wide range tilt adjustment
- Powder coated steel frame
- Equipped with *PowerStream*® to support greater setback distances reducing the noise level inside the building and allows the entry/exit to keep clear of obstructions for advancing firefighters.
- Lightweight, easy to maneuver
- Optional mister attachment
- Full-width retractable handle and heavy-duty wheels for upright, push-pull operation

Optional Accessories: Many water connection fittings and ducting configurations available. Call for details.



MODEL	WF390L
Order #	WB5001LB (BSP)/WB5001LNH (NH)/WB5001DIN
STOCK LOCATIONS	
PPV AIRFLOW	17,417cfm@150psi 29,610m³/hr@1.0MPa
WEIGHT	60lbs/27kg
DIMENSIONS (h/w/d)	22.8/16.9/16 in 580/430/410 mm
MOTOR	10Hp@250psi 7.5kW@1.75MPa
PRESSURE/FLOW	**Nominal:** 150psi/96gpm 0.8MPa/362lpm **Max:** 250psi/162gpm 1.75MPa/612lpm
APPROVALS	CE
CERTIFICATION	AMCA









RAMFAN "Fast Attack" Turbo Blowers

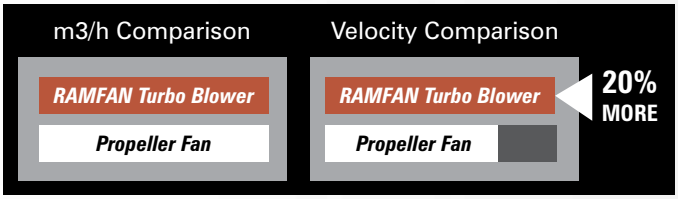


The FORCE to Clear…The FORCE to Cool

RAMFAN fast attack blowers use turbine fan technology to generate a stronger, faster and more focused airflow than possible with conventional propeller designs. Today, fires burn hotter and faster, and advances in protective equipment allow more aggressive fire attack with rapid advance into hot, smoky and dangerous conditions. Fast intervention is the key to rapid knockdown and a RAMFAN fast attack blower is the perfect partner to cool and clear the way.

Why Turbo Technology?

Blower output or CFM is only half the story. A faster, more penetrating FORCE of air means faster cooling and clearance of dangerous smoke and toxic gas. Turbo blowers accelerate the airflow to much greater velocities than conventional propeller fans. The kind of velocity that will churn and upset the thermal balance of an involved structure dropping the heat and mixing it with cool outside air and stripping the smoke off the ceiling and propelling it out.

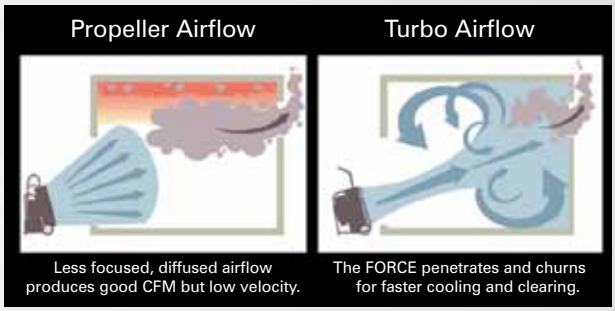


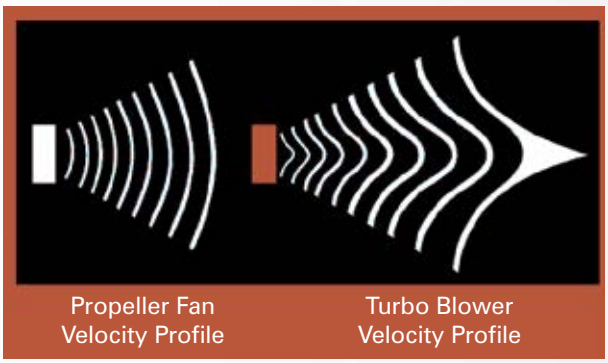
A Faster, More Penetrating FORCE Means Faster Cooling and Clearance of Dangerous Smoke and Toxic Gases

A more focused airflow shape penetrates deeply into layers of super-heated gas, disturbing stratification, dropping temperature and improving visibility much quicker than a conventional blower with the same or even greater airflow. Low velocity flow does not have the kinetic energy necessary to penetrate and mix.

FORCE = Greater Velocity

RAMFAN "Fast Attack" Turbo Blowers rely on the FORCE of a high energy focused air stream to breakdown thermal layering, mixing cool outside air with the dangerous products of combustion which accelerates cooling and clearing. The focused discharge stream of air is unlike that of a conventional propeller design. The high-energy focused center core of air is much more effective in "fast attack" fire fighting operations.





The Turbo Blade Design is the Critical Difference

The turbo fan blade is modeled after a modern jet engine compressor. The RAMFAN design is made specifically for high-speed, high-velocity operation. The large number of short, twisted blades on a large diameter hub means higher pressure, higher velocity and safer operation. The wide hub and its conical mount decrease the effects of engine blockage; resulting in high airflow from a small, compact blower design.

16”/40cm | GF164SE
Turbo Blower

- 7-blade polymer TurboForce™ impeller for increased shatter resistance and enhanced PPV performance (not shown in picture).
- Economical choice for outstanding PPV ventilation
- 1”/25mm powder coated steel frame
- 5-position rapid tilt feature for fast, easy set-up
- Compact and lightweight for easy lifting and storage

Optional Accessories: Cooling Collar, BIGbore™ Exhaust Diverter, 16” Multi-purpose Accessory Pack

POWERED by HONDA



MODEL	GF164SE
Order #	**GB5001HSE**
STOCK LOCATIONS	
PPV AIRFLOW	11,653cfm/19,810m³/hr
IMPELLER	7-blade
RUN TIME	1hr 58min
WEIGHT	59lbs/27kg
DIMENSIONS (h/w/d)	21/20/17 in 533/508/432 mm
NOISE	96.1dB
MOTOR	Honda GC160 4.6Hp/3.4kW
APPROVALS	CE
CERTIFICATION	AMCA








16”/40cm | GF165
Turbo Blower

- 21-blade polymer TurboForce™ impeller for increased shatter resistance and enhanced PPV performance.
- Compact design fits fire truck compartments
- 1”/25mm powder coated steel full-perimeter frame
- ONEstep™ tilt feature for fast, easy set-up
- Full-width folding handle for easy maneuvering
- Honda GX-series engine with oil alert

Optional Accessories: Cooling Collar, BIGbore™ Exhaust Diverter, 16” Multi-purpose Accessory Pack

MODEL	GF165
Order #	**GA5006**
STOCK LOCATIONS	
PPV AIRFLOW	12,906cfm/21,940m³/hr
IMPELLER	21-blade
RUN TIME	126min
WEIGHT	84lbs/38kg
DIMENSIONS (h/w/d)	22/20.2/20 in 559/513/508 mm
NOISE	96.2dB
MOTOR	Honda GX160 4.8Hp/3.5kW
APPROVALS	CE
CERTIFICATION	AMCA








RAMFAN's fire fighting PPV Series outperforms larger blowers in their class with their precision balanced TurboForce Impellers that maximize airflow. These PPV blowers have proven to be effective in controlling airborne contaminates, replacing interior air, removing heat and supplementing fixed ventilation systems. By pressurizing properly and controlling the resultant flow path, these changes occur very rapidly. This is accomplished by using these specialized blowers with the power and velocity to pressurize the interior of a structure or building.

Large Structure Ventilators (LSV)
come of age as online commerce grows

Online retailing today is filling warehouses everywhere with products. Adding these to the current inventory of big box stores, airports, high-rises and hotels, the need for tools to fight large structure fires is clear.

These large structures require massive PPV ventilation because you can't support fireghting operations in a large structure with small structure equipment.

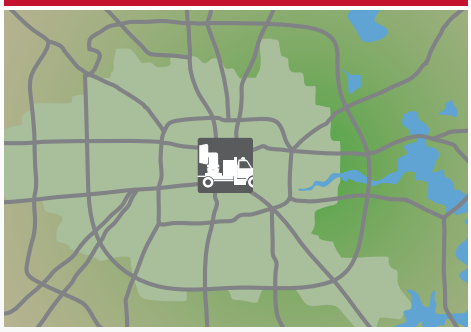
One huge fan doesn't make sense anymore.

Until now, Large Structure Ventilators have been huge monsters that are difficult to move and maneuver, which can limit access to the structure on fire. They require a large storage space and have price tags that are budget-busters. This limits most cities to a single unit for the entire area.

RAMFAN LSV's are the solution to these problems. The largest LSV is a 28" trailer mounted fan that is small enough for one person to maneuver but powerful enough to quickly pressurize a highrise stairwell and is offered at a price point so low you can buy 6 LSV's for every one truck mounted fan.

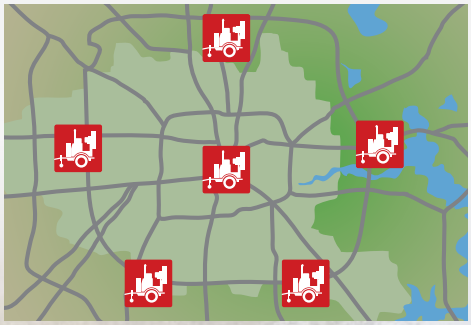


Houston, Texas



When it comes to equipment access which would you prefer: A single hub or a distributed network?

If your city owns one large truck mounted fan stored in a central location and you respond to a warehouse fire on the outskirts of the city the reponse time may be too long to get the equipment to the scene. But if you had a distributed network of large fans it would cut the response time in less than half.





24”/60cm | GX500

For Warehouses, Malls & Light Industry

- *PowerStream*® Air Straighteners support greater setback distances up to 18ft / 6m reducing the noise level inside the building while allowing the entry/exit to keep clear of obstructions for advancing firefighters
- 7-Blade Polymer TurboForce™ Impeller for increased shatter resistance and enhanced PPV performance
- Full-width Folding Handle for easy maneuvering
- WIDE-Trac Semi-Pneumatic Urethane Tires easily roll over mud or rough terrain
- Welded, Unitized Steel Frame, off-road “Roll Cage” design with wide footprint reduces vibration and lengthens service life. No bolts to shake loose!
- ONE-Step™ Tilt Adjustment – easily change the angle of the fan from 0–18º in four precise steps. Fan can ventilate over steps, porches, slopes and other fireground obstacles

Optional Accessories: Integrated Misting System, Hour Meter, BIGbore™ Exhaust Diverter



MODEL	GX500
Order #	**GD5005**
STOCK LOCATIONS	
PPV AIRFLOW	19,069cfm/32,417m³/hr
IMPELLER	7-blade
WEIGHT	137lbs/62kg
DIMENSIONS (h/w/d)	30/29/26.7 in 76/74/68 cm
NOISE	100dB@3ft/1m 96dB@10ft/3m
MOTOR	Honda 8.5Hp/6.3kW GX270
RUN TIME	2hr 2min
APPROVALS	CE





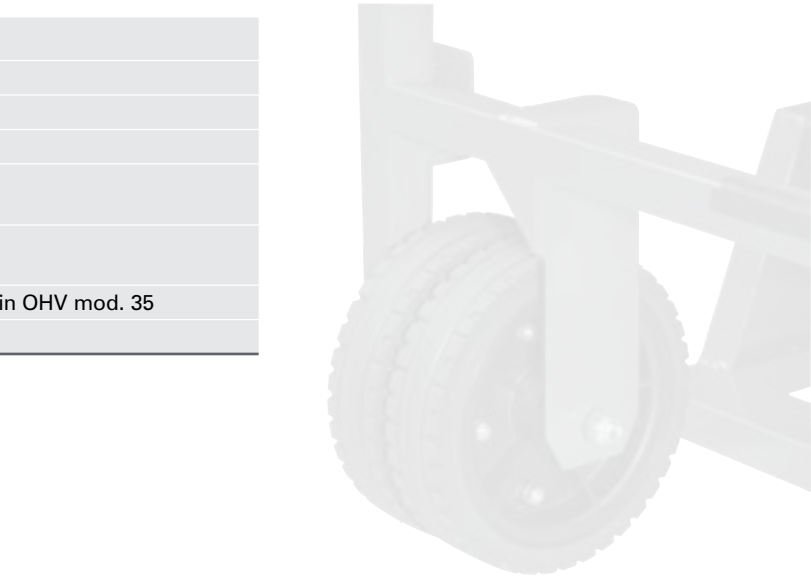



28”/70cm | GX600

Ideal for Large Commercial Structures

- *PowerStream*® Air Straighteners support greater setback distances up to 18ft / 6m reducing the noise level inside the building while allowing the entry/exit to keep clear of obstructions for advancing firefighters
- 7-Blade Polymer TurboForce™ Impeller for increased shatter resistance and enhanced PPV performance
- Full-width Folding Handle for easy maneuvering
- Four lifting handles for easy loading/unloading
- WIDE-Trac Semi-Pneumatic Urethane Tires easily roll over mud or rough terrain
- Welded, Unitized Steel Frame, off-road “Roll Cage” design with wide footprint reduces vibration and lengthens service life. No bolts to shake loose!
- ONE-Step™ Tilt Adjustment - easily change the angle of the fan from 0–18° in four precise steps. Fan can ventilate over steps, porches, slopes and other fireground obstacles
- Integrated misting system

MODEL	GX600
Order #	**GJ5005**
STOCK LOCATIONS	
PPV AIRFLOW	32,500cfm/55,250m³/hr
IMPELLER	7-blade
WEIGHT	175lbs/80kg
DIMENSIONS (h/w/d)	34.5/37.3/30.3 in 88/95/77 cm
NOISE	105dB@3ft/1m 103dB@10ft/3m
MOTOR	Vanguard 18Hp/13.4kW V-Twin OHV mod. 35
RUN TIME	2 hrs 40min











28”/70cm | VX700 LSV
Large Structure Ventilator

- Designed for high-rises, malls, apartments, warehouses and other large-scale structures
- Built-in skids, optional trailer
- *PowerStream*® ventilation provides setback distance of 20–32’ from door!
- Fan tilt angle of -5º to +18º
- Powerful Honda V-Twin GX630 engine with oil alert protection, electric start, 12VDC system with 17A alternator
- Amber beacon light and overhead equipment light
- 4 Gallon/15 Liter EPA & CARB certified fuel tank for 2.5 hours of run time
- Battery Indicator displays charge level
- Hour Meter tracks maintenance schedules
- Integral 8-nozzle water mister
- Hose fittings provide adaptability. BSP and NPSH inlet water fittings

Optional Accessories: BIGbore™ Exhaust Diverter



MODEL	VX700	VX700 w/ Trailer	VX700 w/ Trailer
Order #	**GK5000 (Skid Mounted)**	**GK5005 (Trailer Mounted)**	**GK5010 (Trailer Mounted)**
STOCK LOCATIONS			
PVV AIRFLOW	46,700–60,200cfm 79,390–105,400m³/hr	46,700–60,200cfm 79,390–105,400m³/hr	79,390–105,400m³/hr
WEIGHT	220lbs/100kg	920lbs	420kg
DIMENSIONS (h/w/d)	49/33.3/47.3 in 1,240/850/1,200 mm	79.75/58/124 in	2,046/1,520/3,204 mm
MOTOR	Honda GX630 23Hp/17kW	Honda GX630 23Hp/17kW	Honda GX630 23Hp/17kW
APPROVALS	CE	–	CE















EFC120

16”/40cm | EFC50/EFC120/EFC150 Smoke Ejectors

- New polymer TurboForce™ impeller for increased shatter resistance and enhanced performance
- Built for smoke ejection in confined spaces
- High velocity flow decreases smoke ejection time dramatically
- High-impact, heat resistant Lexan® polycarbonate housing with 4-corner handles for fast set-up and storage
- Lightweight, compact design stacks easily
- Optional tilt bracket available – see page 49
- Stackable for easy storage
- Plug sold separately – see page 50 for plug options

Optional Accessories: Standard Duct, Layflat Duct, Duct Adapters, Duct Carrying Bags, 16” Multi-Purpose Accessory Pack, Door Bar and Hanger Kit

MODEL	EFC50	EFC120 (50Hz)	EFC150
Order #	**EA7000, EA7000-230**	**EA7300**	**EG8000, EG8000-230**
STOCK LOCATIONS			
FREE AIR 15ft/4.6m 1-90° turn	3,200cfm/5,440m³/hr 1,935cfm/3,289.5m³/hr	3,750cfm/6,375m³/hr 2,700cfm/4,590m³/hr	4,459cfm/7,580.3m³/hr 3,179cfm/5,404.3m³/hr
IMPELLER	21-blade	7-blade	7-blade
DUCT ADAPTER(S)	0	2	0
WEIGHT	46lbs/21kg	53lbs/24kg	55lbs/25kg
DIMENSIONS (h/w/d)	19/18/12 in 483/457/305 mm	19/18/16 in 483/457/407 mm	19/18/12 in 483/457/305 mm
NOISE	90.2dB	86.1dB	90.2dB
MOTOR	0.5Hp/0.37kW	1.2Hp/0.9kW	1.5Hp/1.1kW
ELECTRIC	115/230VAC, 1ø, 50/60Hz	240VAC, 1ø, 50Hz	115/230VAC, 1ø, 50/60Hz
AMPS – START **– RUN**	115V: 21A 230V: 10A 115V: 6A 230V: 3A	27A 5A	115V: 80A 230V: 40A 115V: 15A 230V: 8A
APPROVALS	CE	CE	–






16”/40cm | EFC50x/EFC120x/EFC150x
Intrinsically Safe Turbo Blowers

- UL and ATEX Certified Motors for safe use in adverse atmospheres
- High-impact, heat resistant Lexan® polycarbonate housing with 4-corner handles for fast set-up and storage
- Built for smoke ejection in hazardous conditions and confined spaces
- High velocity flow decreases de-smoking time dramatically
- Lightweight, compact design stacks easily
- Optional tilt bracket available – see page 49
- Plug sold separately – see page 50 for plug options

Optional Accessories: Anti-Static Duct, Layflat Duct, Duct Carrying Bags, 16” Multi-Purpose Accessory Pack, Door Bar and Hanger Kit



EFC150x

MODEL	EFC50x	EFC120x (50Hz)	EFC150x
Order #	**EA7000X, EA7000X-230**	**EA7300X**	**EG8000X, EG8000X-230**
STOCK LOCATIONS			
FREE AIR 15ft/4.6m 1-90° turn	3,200cfm/5,440m³/hr 1,935cfm/3,289.5m³/hr	3,750cfm/6,375m³/hr 2,700cfm/4,590m³/hr	4,459cfm/7,580m³/hr 3,179cfm/5,404m³/hr
IMPELLER	21-blade	7-blade	7-blade
DUCT ADAPTER(S)	0	2	2
WEIGHT	49lbs/22kg	51lbs/23kg	55lbs/25kg
DIMENSIONS (h/w/d)	19/18/12 in 483/457/305 mm	19/18/16 in 483/457/407 mm	19/18/16 in 483/457/407 mm
NOISE	90.2dB	86.1dB	90.2dB
MOTOR	0.5Hp/0.37kW	1.2Hp/0.9kW	1.5Hp/1.1kW
ELECTRIC	115/230VAC, 1ø, 50/60Hz	230VAC, 1ø, 50Hz	115/230VAC, 1ø, 50/60Hz
AMPS – START **– RUN**	115V: 21A 230V: 10A 115V: 6A 230V: 3A	27A 5A	115V: 80A 230V: 40A 115V: 15A 230V: 8A
APPROVALS	LR66789 LISTED CE	Ex CE	Ex CE





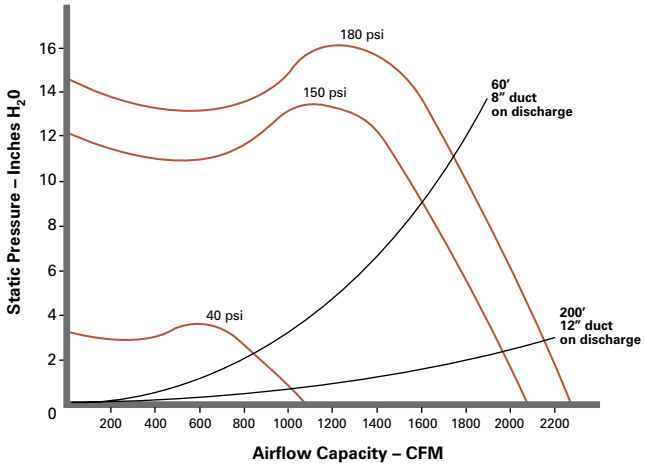

8"/20cm | WF20 Water Powered PPV Turbo Blower

- Standard for U.S. Navy, Royal Navy, French, ANZAC, others
- Operates from the fire mains and overboard drainage
- 4.6Hp @ 150psi water pressure
- Intrinsically safe, non-electrical
- Dual purpose: Ducted and PPV-mist cooling



WF20 - Ducted

WF20 Performance



Water/air couplings to customer specifications


French


British


USA

SPECIFICATIONS	
Order #	**WA5001BSP/WA5001NH/ WA5001N(NPSH)**
DUCTED AIR FLOW @ 150psi	1,835cfm/3,120m³/hr
WEIGHT	35lbs/15.9kg
DIMENSIONS (h/w/d)	16/12/12 in 400/310/310 mm
POWER	4.6Hp/3.4kW @150psi 8Hp/6kW @250psi
PRESSURE/FLOW	Min: 40psi/29gpm Max: 250psi/94gpm
CONNECTIONS	1.5"/3.8cm NST (NH), NPSH, or BSP male connections
CERTIFICATIONS	U.S. Navy Test Report

DUCTING ACCESSORIES	
Description	**Order #**
Duct – Neoprene Coated US Navy Standard (10"x15')/(25cmx4.6m)	**DT-1015DVI-3**
Duct – Neoprene Coated US Navy Standard, long (10"x25')/ (25cmx7.6m)	**DT-1025DVI-3**
Wire Reinforced Duct w/ storage bag AFNOR DN 300 cplgs (30cmx5m)	**WA0721**
Duct Adapter, 10"/25cm with Snap-Lock – 2 required/blower	**WA0411**
Duct Adapter, 12"/30cm for use with belted duct – 2 required/blower	**WA0511**
Duct Adapters (2 included) AFNOR DN 300 Type M (French Norm)	**WA0711**
Kit – U.S. Navy version Blower w/ (4) Duct (DT-1015DVI-3) & (2)10" adapters	**4140-01-333-2224**

The Safest and Most Powerful Portable Ventilator in the World

No portable blower in the world compares with the smoke removal rates of the WF20 connected to ducting from 8" to 12". Warships at general quarters require powerful suction to remove smoke from interior spaces. The WF20 suctions the smoke from the affected areas through long lengths of ducting to the outside air. At normal fire main pressures of 125 to 150psi, the WF20 makes about 4.5Hp with a 50gpm flow rate.

The WF20 blower uses the water pressure energy of a fire hose and a patented turbine, coupled to a high-efficiency fan blade, to generate high-velocity, high-pressure airflows. The modular construction, choice of corrosion-resistant materials and simplicity assures infrequent and simple maintenance.

Exhaustive testing during U.S. Navy evaluations left the WF20 as the uncontested champion of shipboard de-smoking.

Add the Multiplier/Mister



WF20 - Multiplier/ Mister - PPV

- Venturi device doubles airflow
- Injects 3.5 gpm of water into airflow
- Use as PPV blower
- Intrinsically safe in hazardous conditions

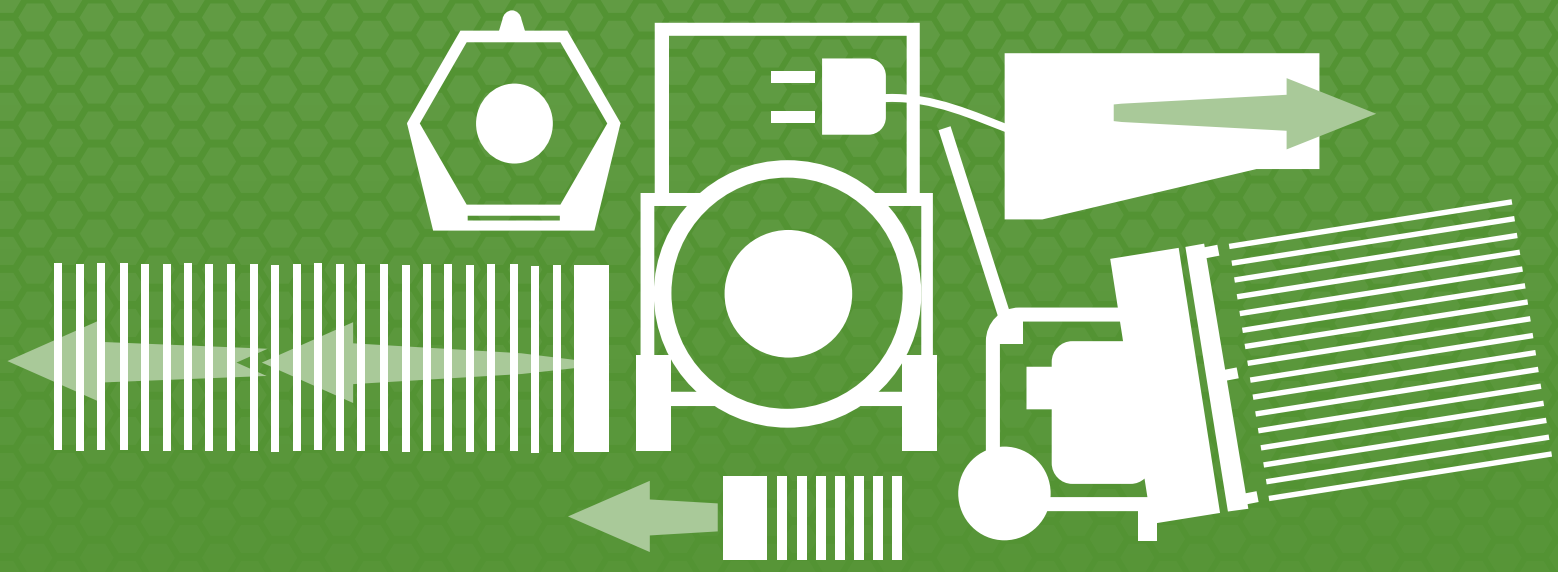
The Multiplier/Mister Attachment injects up to 3.5 gpm into the airstream producing a cooling mist. This has proven beneficial in creating heat migration boundaries, cooling of personnel and even catapults and aircraft wheels.

PPV AIRFLOW	
FREE AIR @ 150psi	13,125cfm/22,313m³/hr
FREE AIR @ 250psi	16,511cfm/28,069m³/hr

MULTIPLIER/MISTER ACCESSORIES	
Description	**Order #**
Multiplier/Mister	**WA0802**
AFNOR Multiplier/Mister w/ ZAG Adapter AFNOR DN 300 Type M (French)	**WA0711**
Strainer Adapter for use with BIC, Guillemin and Storz Couplings	**WA2810**
Multiplier/Mister ZAG Adapter AFNOR DN 300 Type M (French Norm)	**ZAGAY-2**


15
RAMFAN
TurboForce

ACCESSORIES

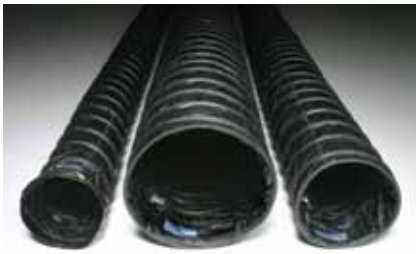


ACCESSORIES



Standard Duct – 15′/4.6m & 25′/7.6m

- ECKO-flex non-collapsible, reinforced duct
- 8″/20cm, 12″/30cm or 16″/40cm diameter sizes
- Flame retardant
- IMPA codes available for ducting, please call to inquire



Anti-Static Duct – 15′/4.6m & 25′/7.6m

- Non-collapsible, reinforced duct
- Safely conducts electricity to the ground circuit of the blower
- Surface resistance less than 6 Gø
- 8″/20cm, 12″/30cm and 16″/40cm diameter sizes
- Flame retardant
- IMPA codes available for ducting, please call to inquire



Disposable Duct – 100′/30.5m

- Disposable, layflat polyethylene duct
- No reinforcement, 4mil thick
- 12″/30cm and 16″/40cm diameter sizes are sold by the foot



Layflat Duct 25′/7.6m

- Fiber reinforced, collapsible duct
- 16″/40cm diameter sizes
- 16″/40cm duct available with a 90° elbow, 4′x10′ Elbow Order No. FDT-L4X10SME



Cooling Collars/Misters – 16″/40cm Blowers

- Quickly cool and rehabilitate with a cooling collar
- Fits around duct adapter of blower injecting mist into airflow
- Designed for use with a garden hose
- Water output per hour is based on water pressure



16″/40cm Multi-Purpose Accessory Pack

- Multi-purpose solution for ventilation.
- Layflat storage bag includes:
  - 16″/ 40cm Cooling Collar
  - 16″/ 40cm Unreinforced Layflat Duct (25′/ 7.6m)
  - 16″/ 40cm 90° Unreinforced duct 4′/1.2m x 10′/3m



BIGbore™ Exhaust Diverter

- Diverts engine exhaust away from the work environment
- 2”/5cm diameter flexible, galvanized hose reduces engine backpressure
- Quick connect fittings meet DIN standards
- Additional hose available to extend exhaust diversion



Door Bar and Hanger Kit

- Suspend smoke ejector box fans in doorway or window for more efficient ventilation
- Compatible with all EFi and EFC-series fans



Tilt Bracket

- Provides full 360° rotation for ultimate freedom to direct air where you want
- Compatible with all EFi and EFC-series fans



Duct Carrying Bags

Order #	Includes
BG12	Storage Bag for 8”/20cm x 15’/4.6m or 25’/7.6m Duct and for 12”/30cm x 25’/7.6m Duct
BG12S	Storage Bag for 12”/30cm x 15’/4.6m Duct
BG16	Storage Bag for 16”/40cm Duct



Duct Couplers and Adapters/Reducers

Order #	Includes
DC8	8”/20cm Duct Coupler Stainless HD
DC12	12”/30cm Duct Coupler Stainless HD
DC16	16”/40cm Duct Coupler Stainless HD
ED0304	8”/20cm Inlet Duct Adapter for UB20
EF0304X	8”/20cm Anti-Static Inlet Duct Adapter for UB20xx
EC0301	12”/30cm to 8”/20cm Duct Adapter/Reducer
EA7116	16”/40cm Duct Adapter



Misting Systems

Order #	System Includes
GH8111	18”/46cm Mister for Models GX350
GE8111	21”/54cm Mister for Models GX400
GD8111	24”/60cm Mister for Models GX500
GJ8111	28”/70cm Mister for Model GX600
EB8111	16”/40cm Mister for Models EX400/420, EV400/420

Plug Options

Adapter	Order #	System Includes	Frequency	Amps	Max. Volts
	**EZ-0721671**	Twistlock Adapter 5-15P to L5-20R	60	20	125
	**EZGFI**	GFI Receptacle	60	15	125
	**EZ-5-15P**	NEMA	60	15	125
	**EZ-6-15P**	NEMA	60	15	250
	**EZ-5-20P**	NEMA	60	20	125
	**EZ-L5-15P**	NEMA Twistlock	60	15	125
	**EZ-L5-20P**	NEMA Twistlock	60	20	125
	**EZ-L5-30P**	NEMA Twistlock	60	30	125
	**EZ-L6-20P**	NEMA Twistlock	60	20	250
	**EZ-L6-30P**	NEMA Twistlock	60	30	250
	**EZ-70141-HD**	Schuko Plug, Heavy Duty	50	16	200-250
	**EZ-999-21000**	Non-ATEX Splash Proof Schuko, Euro Standard	50	16	100-130
	**EZ-999-21001**	Non-ATEX Splash Proof Schuko, Euro Standard	50	16	200-250
		ATEX CERTIFIED PLUGS			
	**EZ-ATX96430**	ATEX Haz Loc Splash Proof Schuko, Euro Standard	50/60	16	100-130
	**EZ-ATX96433**	ATEX Haz Loc Splash Proof Schuko, Euro Standard	50/60	16	200-250
	**EZ-UGP15231**	Killark Haz Loc	60	15	125

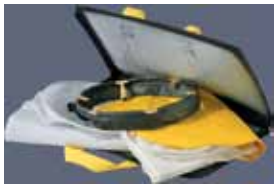
Power Component Substitution: Euramco Safety can install any specified plug or length of cord for your specific application.

Quick Reference Order Guide

ACCESSORIES	INDUSTRIAL/ CONFINED SPACE		HAZARDOUS LOCATION		SMOKE REMOVAL	
	Model	Order #	Model	Order #	Model	Order #
Standard Duct 15'/ 4.6m and 5m 	UB20 EFI50/120/150 UB30	FDT-2162-4046BR FDT-1615BR FDT-3053 4005BB	AFi75xx AFi50xx	FDT-1215BB FDT-1615BR	EF390/400 EV400/420 EFC50/120/150 WF390L EX400/420	FDT-1615BR FDT-1615BR FDT-1615BR FDT-1615BR FDT-1615BR
Standard Duct 15'/ 7.6m and 10m 	UB20 EFI50/120/150 UB30	FDT-2162-4046BR FDT-1615BR FDT-3053 4010BB	AFi75xx AFi50xx	FDT-1225BB FDT-1625BR	EF390/400 EV400/420 EFC50/120/150 WF390L EX400/420	FDT-1625BB FDT-1625BB FDT-1625BB FDT-1625BB FDT-1625BR
Anti-Static Duct 15'/ 4.6m 			UB20xx EFi75xx EFi50xx/120xx EFi150xx AFi75xx AFi50xx	FDT-0815CBB FDT-1215CBB FDT-1615CBR FDT-1615CBR FDT-1215CBB FDT-1615CBR	EFC50x/120x/ 150x	FDT-1615CBR
Anti-Static Duct 25'/ 7.6m 			UB20xx EFi75xx EFi50xx/120xx EFi150xx AFi75xx AFi50xx	FDT-0825CBB FDT-1225CBB FDT-1625CBR FDT-1625CBR FDT-1225CBB FDT-1625CBR	EFC50x/120x/ 150x	FDT-1625CBR
Disposable Duct – 100' 	EFi50/120/150	FDT-16DISP			EF390/400 EV400/420 WF390L GX200 GF164SE GF165 EX400/420	FDT-16DISP FDT-16DISP FDT-16DISP FDT-16DISP FDT-16DISP FDT-16DISP FDT-16DISP
Layflat Duct 25'/ 7.6m 	EFi50/120/150 UB30	FDT-1625SME FDT-1225SME			EF390/400 EV400/420 EFC50/150/120 EFC50x/120x/ 150x WF390L GX200 GF164SE GF165 EX400	FDT-1625SME FDT-1625SME FDT-1625SME FDT-1625SME FDT-1625SME FDT-1625SME FDT-1625SME FDT-1625SME FDT-1625SME

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Quick Reference Order Guide, *Continued*

ACCESSORIES	INDUSTRIAL/ CONFINED SPACE		HAZARDOUS LOCATION		SMOKE REMOVAL	
	Model	Order #	Model	Order #	Model	Order #
Cooling Collar 					EV400/420 GF210 WF390L	ED-MIST16 GFMK WFMK
16"/40cm Multi-Purpose Accessory Pack 	EFi50/120/150	BG16LFA	EFi50xx/120xx EFi150xx AFi50xx	BG16LFA BG16LFA BG16LFA	GF164SE/165 EF390/400 EV400/420 EFC50/120/150 EFC50x/120x/ 150x EX400/420	BG16LFA BG16LFA BG16LFA BG16LFA BG16LFA BG16LFA
BIGbore™ Exhaust Diverter 					GF164SE GF165 GX200 GX350 GX400 GX500	GF7110-CZ GF7110-BZ GF7110-KZ GF7110-GZ GF7110-GZ GF7110-LZ
Hanger Kit 	EFi50/120/150	EA7090K	EFi50xx/120xx EFi150xx	EA7090K EA7090K	EFC50/120/150 EFC50x/120x/ 150x	EA7090K EA7090K
Door Bar	EFi50/120/150	EA7080	EFi50xx/120xx EFi150xx	EA7080 EA7080	EFC50/120/150 EFC50x/120x/ 150x	EA7080 EA7080
Tilt Bracket 	EFi50/120/150	EA9145	EFi50xx/120xx EFi150xx	EA9145	EFC50/120/150 EFC50x/120x/ 150x	EA9145

Certification Reference Chart

LOGO	REPRESENTS	MARKING / CERTIFICATION
	ATEX- European Union Hazardous Location Certification by UL International Demko A/S notified by number 0539	II 2 G Ex d e IIB T6 Gb Demko 09 ATEX 0926969X
	European Union EMC and Safety	CE
	Recognized Component Mark for Canada and the United States	UL E305448
	CSA Mark with other Standards as indicated by the mark below logo.	Motor Cert. LR66789
	CSA Certified for both Canadian and United States markets	Motor Only 1743107
	CSA Certified to the applicable US Standards for gas and other liquid petroleum products	1743107
	CSA Certified to the applicable Canadian Standards for gas and other liquid petroleum products	1743107
	International Electric Code - worldwide certification standards for electrical equipment used in hazardous locations.	IECEx UL 13.0062X
	INMETRO Mark -Brazilian Hazardous Location Conformity	Ex d e IIB T6 Gb UL-Br 13.0593X
	North American Hazardous Location Certification	UL Class 1 - Group D UL Class II - Group E,F,G Motor Cert. E312535
	Registed by UL to a specifed ISO or QS System.	UL ISO 9001:2008
IP RATING	**FIRST DIGIT**	**SECOND DIGIT**
IP55	Limited protection against dust ingress. (no harmful deposit)	Protected against low pressure water jets from any direction. Limited ingress permitted.
IP65	Totally protected against dust ingress.	Protected against low pressure water jets from any direction. Limited ingress permitted.

Notes

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