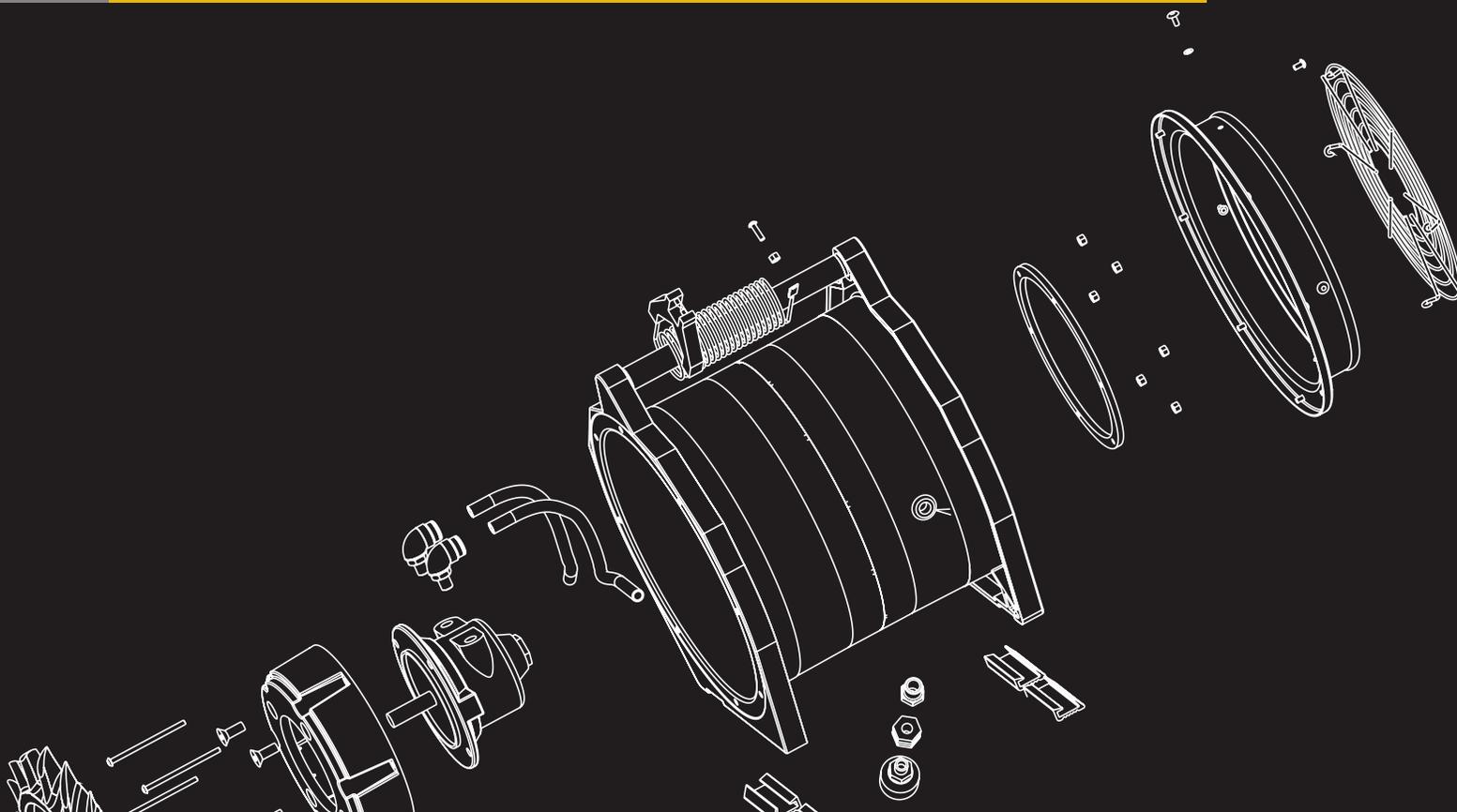


RAMFAN[®]

HAZARDOUS LOCATION





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GLOBAL STRENGTH. LOCAL EXPERTISE. AT YOUR SERVICE.

Euramco Group is headquartered in San Diego, CA in the US with offices in Europe, Middle East, and Asia. We've acquired highly talented employees from around the world to lead the way in development of rotating machinery to control the flow of air to make tough job sites safer.

The world is diverse with different requirements, regulations and procedures in each region. We cater our offerings to the local market, which are guided by experts in the region providing intelligence on what is needed in their markets.

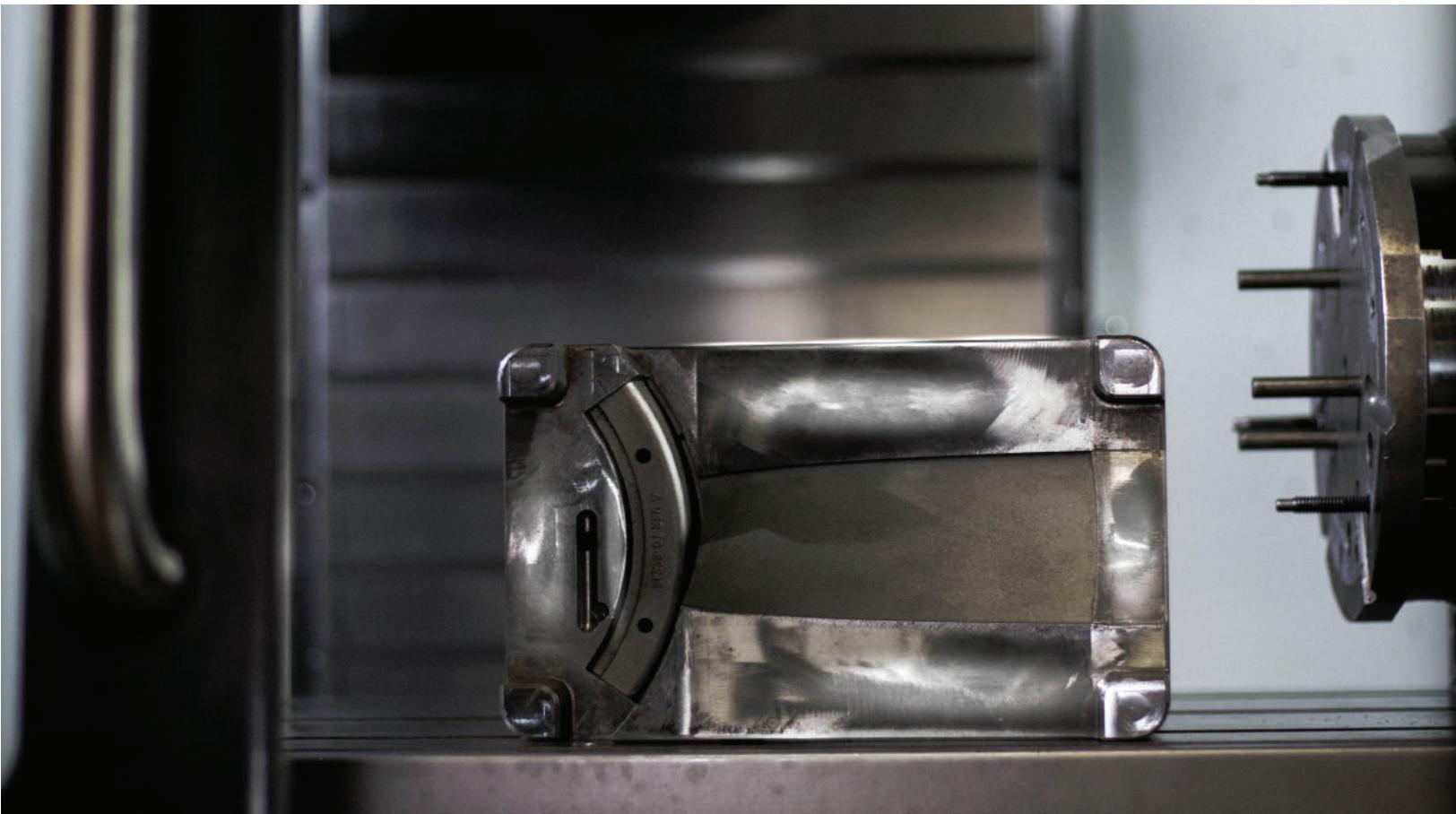
We are at your service. We offer an extended warranty on products, not because we should, but because we believe in the quality of our products and stand behind them. Field service engineers are available to help discuss how our products that you purchased can be used. Competent sales engineers are ready to support via phone or email. Whether you are a first-time customer or still using our reliable products sold decades ago, we've always sought to provide the best service.

EUROPE

NORTH AMERICA

ASIA

MIDDLE EAST



FLOWPATH™ CONTROL

A fluid is anything that flows; usually a liquid or gas. And, its motion and state can be specified in terms of the velocity and pressure. Since our company's inception, we've dedicated ourselves to engineering fans and pumps to use the physics of fluid dynamics to our advantage. Whether controlling air movement through a ship's passageway at high pressure to remove heat and contaminants from below deck, or pumping water through a hose line to deliver an extinguishing agent through an industrial firefighting apparatus, the foundational physics are the same. This specialized focus on expanding the possibilities of fluid movement is at the core of our daily work, and at the core of every product we engineer. We call it FlowPath Control.



THE INDUSTRIES



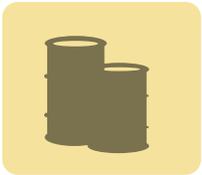
Shipping and Offshore FPSO



Petrochemical



Chemical Plants



Offshore Platforms



Vessels and Tanks



Manholes



Confined Spaces

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 2014/34/EU, 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.

ATEX EXPLAINED

1 EQUIPMENT GROUP & CATEGORY

Equipment Group	Equipment Category	Protection Level	Hazard Gas Dust	Use
II - Industrial (non-Mining)	1	Very high protection	G -	Zones 0, 1, 2
	2	High Protection	G -	Zones 1, 2

2 CLASSIFICATION OF HAZARDOUS

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

3 IGNITION PROTECTION CATEGORIES

Ignition Protection Categories	I.D.	Zone(s)	Safety Principle
Increased safety	Ex eb	Zone 1	No arcs, sparks or hot surfaces
Flame-proof	Ex db	Zone 1	Contain the explosion and extinguish the flame
Constructional Safety	Ex h	Zone 1, Zone 2	Ignition hazards mitigated by good engineering methods

4 GAS GROUPS

Gas Group	Representative Test Gas
IIA	Propane
IIB	Ethylene

Gas Group IIB includes all gases for Group IIA

ATEX STRING

Ex
II 2 G Ex db eb IIB T6 Gb

II 2 G Ex h IIB T6 Gb

5 TEMPERATURE CLASSES

Class	T1	T2	T3	T4	T5	T6
	MAXIMUM SURFACE TEMPERATURE					
IIA	450°C	300°C	200°C	135°C	100°C	85°C
	Acetone Ammoniac Benzene Acetic Acid Ethane Ethyl Acetate Ethyl Chloride Methane Methanol	i-Amylacetate n-Butane n-Butyl Alcohol	Gasolines Diesel Fuels Heating Oils n-Hexane	Acetyl- dehyde	-	-

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

6 CONDITIONS & SUBDIVISIONS

Flammable Materials	Temporary Behavior of Explosive Atmosphere	Classification of Hazardous Areas	Group as Defined in Directive 2014/34/EU	Equipment Category as Defined in Directive 2014/34/EU	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

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

Highlighted areas in chart apply to Euramco Group's ATEX certification

What is ATEX?

ATEX is the name commonly given to the two European Directives for controlling explosive atmospheres:

- 1) Directive 99/92/EC (also known as 'ATEX 137' or the 'ATEX Workplace Directive') on minimum requirements for improving the health and safety protection of workers potentially at risk from explosive atmospheres. The text of the Directive and the supporting EU produced guidelines are available on the EU website.
- 2) Directive 94/9/EC (also known as 'ATEX 95' or 'the ATEX Equipment Directive') on the approximation of the laws of Members States concerning equipment and protective systems intended for use in potentially explosive atmospheres. The text of the Directive and EU produced supporting guidelines are available on the EU website.

What is an Explosive Atmosphere?

Dangerous Substances and Explosive Atmospheres Regulations 2002 (DSEAR) defines an explosive atmosphere as a mixture of dangerous substances with air under atmospheric conditions that are in the form of gases, vapors, mist or dust. And, after ignition has occurred, combustion can spread to the entire unburned mixture.

Atmospheric conditions are commonly referred to as ambient temperatures and pressures, which include temperatures of -20°C to 40°C and pressures of 0.8 to 1.1 bar.

Likelihood of Presence: Zone 1

Ignitable concentrations of flammable gases or vapors which are likely to occur under normal operating conditions.

Group IIB

The Zone System defines the type of hazardous gas and the location of the surrounding atmosphere. Group I contains explosive gasses that naturally occur in mines. Group II contains explosive gases found in atmospheres other than mines. Group III contains explosive dust atmospheres. Groups II and III are further defined by the level of hazards for each group marked by an A, B, or C with each letter corresponding to a more explosive material than the previous letter. Equipment that is safe to use in Group B is also safe to use in group A, but not in group C.

Group A - Atmospheres containing propane, acetone, benzene, butane, methane, petrol, hexane, paint solvents, or gases and vapors of equivalent hazard.

Group B - Atmospheres containing ethylene, propylene oxide, ethylene oxide, butadiene, cyclopropane, ethyl ether, or gases and vapors of equivalent hazard.

Zone system Group IIB is equivalent to Class/Division system Class I, Group C.

Temperature Code (T Code)

A mixture of hazardous gases and air may be ignited by coming into contact with a hot surface. The conditions under which a hot surface will ignite a gas depends on surface area, temperature, and the concentration of the gas. The maximum possible surface temperature of equipment is shown in the ATEX Explosion Classification as a "T" Value, which ranges from T1 to T6 in order of decreasing value (so T6 is "Safer").

T6<=85°C/185°F

Ignition Source: Electrical

There are two general sources of ignition, from an electrical source and from a non-electrical source. Examples of specific electrical sources include arcing between contacts of a switch or breakdown between traces on a printed wiring board. Examples of non-electrical sources include the hot surfaces of a brake or electrostatic charging of a non-metallic fluid handling system.

Protection Techniques

Protection Techniques refer to the methods used to protect electrical and non-electrical sources from igniting an explosive atmosphere. These methods are defined in national, regional, and international codes and standards.

Flameproof 'd'

Flameproof is a type 'd' (Ex d) of protection where the enclosure will withstand an internal explosion of a flammable mixture that has penetrated into the interior, without suffering damage and without causing ignition, through any joints or structural openings in the enclosure, of an external gas atmosphere consisting of one or more of the gases or vapors for which it is designed.

Increased Safety 'e'

Increased Safety is a type 'e' (Ex e) protection that is applied to electrical equipment, which it does not produce arcs or sparks in normal service or under specified abnormal conditions. Additional measures are applied, so it gives increased security against the possibility of excessive temperatures and of the occurrence of arcs and sparks.

Euramco Hazardous Location Certifications:

ATEX - European Committee for Electrotechnical Standardization (CENELEC): EN 60079-1:2014

IECEX - International Electrotechnical Commission (IEC): IEC 60079-1 Ed. 7.0

INMETRO - Brazilian Association of Technical Standards (ABNT): ABNT NBR IEC 60079-1:2009

Equivalent Global Standards:

Canadian Electrical Code (CEC): CAN/CSA-C22.2 NO. 60079-1:11

Japanese Industrial Standards (JIS): JIS C 60079-1:2008

Korean Standards Association (KSA): KS C IEC 60079-1:2012

National Electrical Code (NEC): ANSI/UL 60079-1

Russian State Standards (GOST): GOST IEC 60079-1:2011

South African National Standards (SANS): SANS 60079-1 Ed. 5 (2015)

Standardization Administration of China (SAC): GB 3836.2-2010

Standards Australia/New Zealand (AS/NZS): AS/NZS 60079.1:2007

Bureau of Indian Standards (BIS): BIS IS/IEC 60079-1:2007

Hazardous areas are classified into zones based on an assessment of the frequency of occurrence and duration of a potentially explosive gas atmosphere. IEC60079-10-1 defines the areas in an explosive atmosphere such as:

- « Explosive atmosphere: mixture with air, under atmospheric conditions, flammable substances in the form of gas, vapor, dust, fibers, or flyings, which after ignition it permits self-sustaining propagation.
- « **Zone 0:** An area in which an explosive gas atmosphere is continuously present, for long periods of time or frequently.
- « **Zone 1:** An area in which an explosive gas atmosphere is likely to occasionally occur in normal operation.
- « **Zone 2:** An area in which an explosive gas atmosphere is not likely to occur in normal operation, but if it does occur, will only persist for a short period of time.



Compliance certifications have always been a critical part of our product development strategy. And, we were an early adopter of explosion-proof certifications for our purpose-built hazardous location air movers.

Today, our commitment to delivering full-unit certified and explosion-proof ventilation solutions remains unmatched. We continue to build on this foundation by adding new innovative products as well as international certifications to better serve our customers in different regions of the world.

Our ventilators currently hold full-unit hazardous location certifications for ATEX, IECEx, INMETRO and CE.

While various standards exist that are in line with IEC 60079 Standard on Explosive Atmospheres, countries use these principles in their regulations in different ways. Some countries are making these standards mandatory through their legislative act. Others are making compliance with the standards a means of proving compliance with the essential health and safety requirements laid out in the legislation. And, a third group relies heavily on the self-correcting nature of the chain of liability where few mandatory elements of the standard exist.

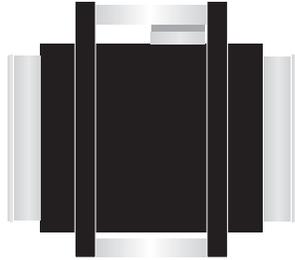
This provides a challenging global operating environment for a manufacturer, but these barriers are critical to surmount to maximize the safety of the users and facilities how our equipment operates.



PLEASE NOTE: You can find certification markings from the below organizations throughout the catalog.

CERTIFICATIONS	
LOGO	REPRESENTS
	ATEX- European Union Hazardous Location Certification by UL International Demko A/S notified by number 0539
	UL Recognized Component Mark for Canada and the United States
	International Electric Code - worldwide certification standards for electrical equipment used in hazardous locations.
	INMETRO Mark -Brazilian Hazardous Location Conformity
	UL Listed North American Hazardous Location Certification

ENERGY POWER

**ELECTRIC**

Clean Atmosphere.
Quick Operation.

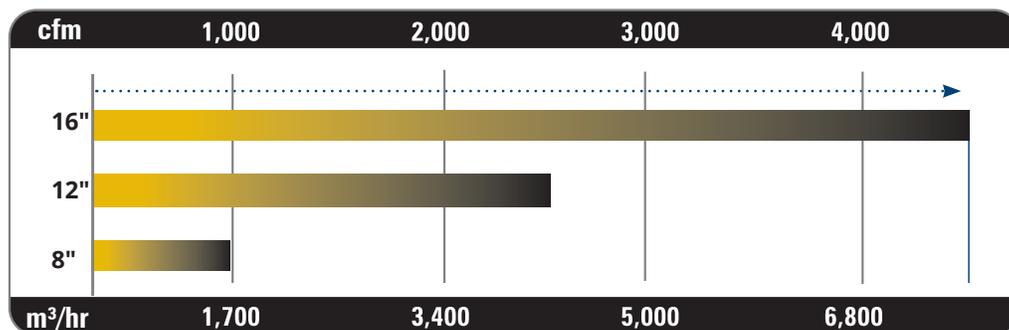
**COMPRESSED AIR**

Intrinsically Safe.

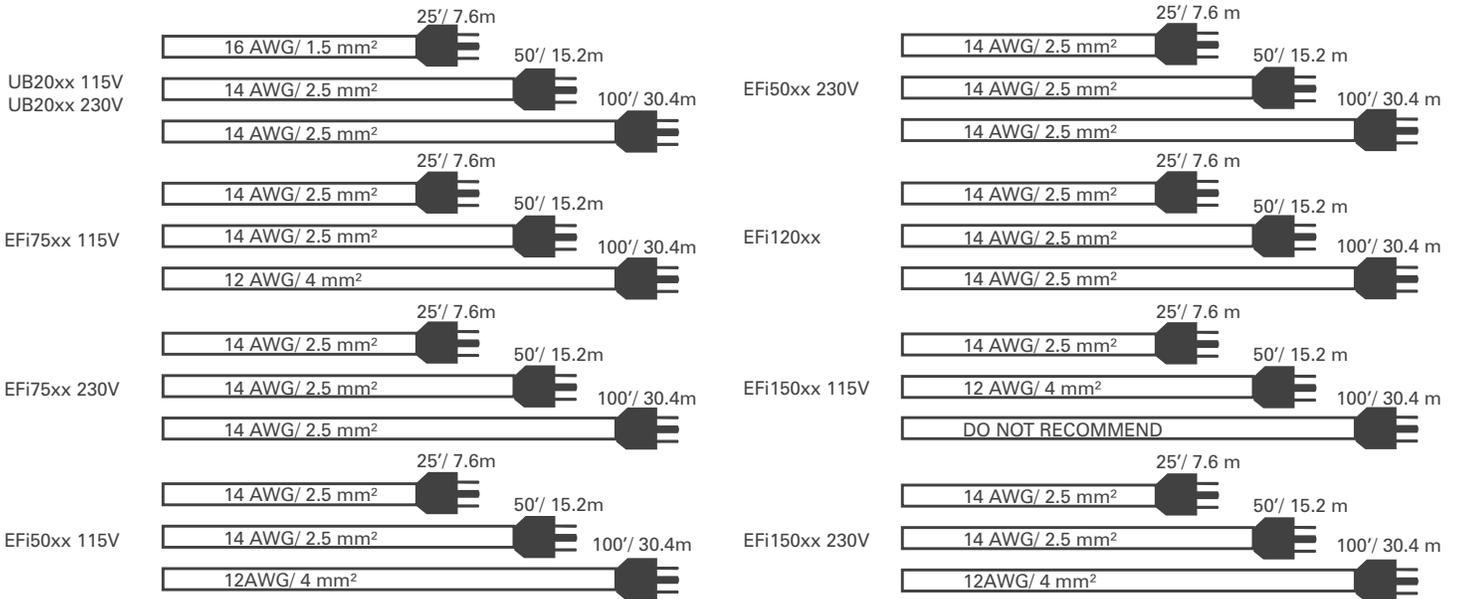
AIRFLOW REQUIREMENTS

You will need a fan that is capable of ventilating structures in your response area. Airflow performance is determined by impeller design, impeller diameter and input power. We engineer each impeller for the motor its built with. For our electric fans, we even build the motors – giving us full control to meet our performance targets. We manufacture the most efficiently powerful fan impellers in the industry.

■ DUCTED AIRFLOW



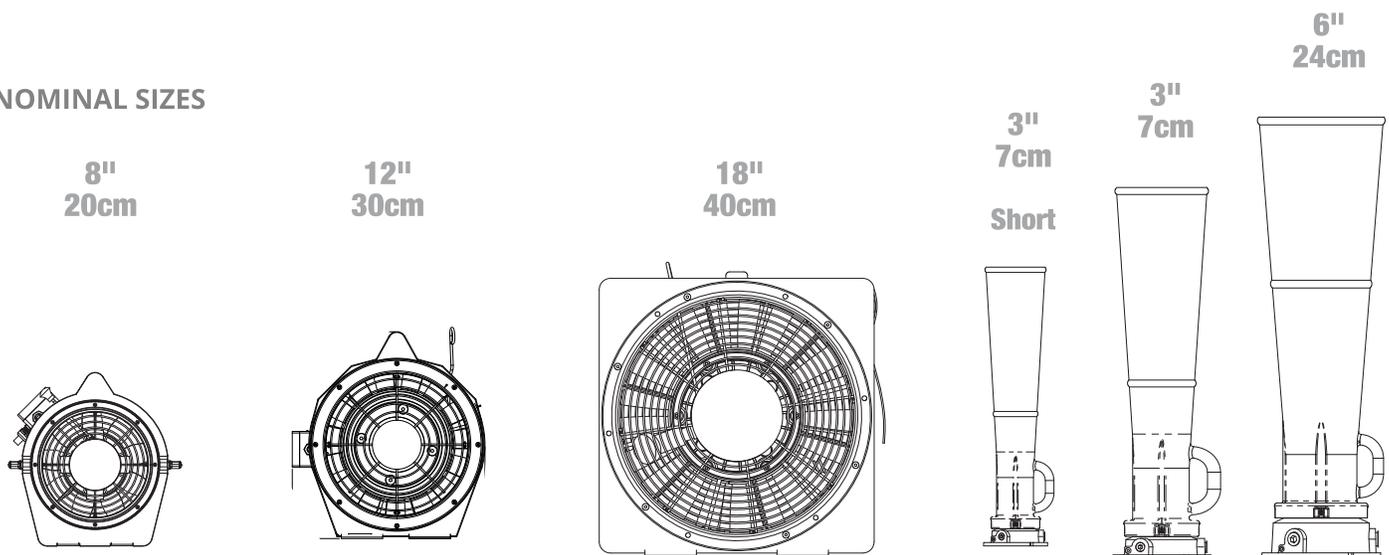
CABLE LENGTHS



SIZE REQUIREMENTS

Increasing a fan's size or input power will increase the airflow. However, a large fan powered by a large motor will weigh more and take up more compartment space.

NOMINAL SIZES





EXPLOSION PROOF EXTENSION CORDS

WORLD'S TOUGHEST CABLE



The ATEX/ IECEx certified ECX Series Power Cords from Euramco Group is designed to take a beating. Rated for Extra Hard Usage, the highly flexible SOOW/H07RN-F cables are extremely high on impact, cutting, abrasion, oils, and most industrial chemicals. Their flexible jackets allow for easy installation and routing of the cable—even in extreme cold weather conditions. Additionally, the ECX Power Extension Cords are terminated with IP66 connectors, which are made of industrial grade polymers for stronger durability under harsh environments. They are totally sealed against dust and moisture ingress and protected against heavy seas or powerful jets of water, which make it exceptionally resilient to extreme environmental conditions. With a variety of cable sizes and lengths, the ECX Power Extension Cords are always ready to power equipment.

IECEX & ATEX Certified

MODEL SERIES	ATEX CERTIFICATION STRING	ATEX DIRECTIVE
ECX	Ex II 2 G D Ex de IIB, Zone 1, 2, 21 & 22	2014/34/EU

TYPE	APPROVALS	OPERATING TEMPERATURE RANGE	COLOR	CHARACTERISTICS
H07RN-F	RoHS, CE, VDE, <HAR>, EN 50525-2-21	-25°C to +60°C (-13°F to 140°F)	Black	Resistant to mechanical influences in harsh environmental conditions. Suitable for outdoor use. Flame-retardant. Cold-resistant, Water-resistant. Oil-resistant. UV-resistant.
TC-ER (SOOW)	RoHS, UL, CSA, MSHA, Fire-Rated UL/FT4 Certified Passed UL2225 Crush & Impact test	-30°C to +90°C (-22°F to 194°F)	Yellow	

ECX-25-XXX-XXX-XX-XX

EXTENSION CORD

EXPLOSION PROOF POWER CABLE SERIES

CABLE LENGTH	
XX	LENGTH (METER)
01	1m
02	2m
↓	-
50	50m

CABLE TYPE			WIRE SIZE	
XX	TYPE	COLOR	GAGE	CROSS SECTION
H7	H07RN-F	BLACK	13 AWG	2.5mm ²
ST	TC-ER (SOOW)	YELLOW	14 AWG	2.08mm ²

VOLTAGE	
XXX	VOLTAGE
110	110V
240	240V

CONNECTOR MANUFACTURER		
XXX	BRAND	
ATX	APPLETON	ATEX / IECEX / INMETRO CERTIFIED
CEA	CEAG	ATEX / IECEX CERTIFIED
STA	STAHL	ATEX / IECEX CERTIFIED

Maximum Recommended Cable Length				
Fan Model	110V		230V	
	Meters	Feet	Meters	Feet
UB20xx	50m	164ft	50m	164ft
EFi75xx	10m	33ft	50m	164ft
EFi120xx	-	-	50m	164ft
EFi150xx	5m	16ft	35m	115ft





ELECTRIC BLOWERS

CERTIFIED EXPLOSION-PROOF

ATEX, INMETRO, and IECEx certified, RAMFAN portable electric blowers are safe for use in extreme conditions. Designed for use in explosive environments with all components along the electrical path certified and the equipment as a whole. The electric blowers are durable, chemical resistant, weatherproof, flame retardant and anti-static housing for hazardous conditions.



GAS
ZONES
1+2

UB20xx
8"/20 cm



GAS
ZONES
1+2

EFi75xx
12"/30 cm



GAS
ZONES
1+2

EFi50xx/EFi120xx/EFi150xx
16"/40 cm

Models	Cable	Plug Types	Certification String	Certifications
UB20xx	25', 16AWG	ATEX 100/130V	II 2 G Ex de IIB T6 Gb	
	7.6m, 1.5mm2	ATEX 240V		
EFi75xx	25', 14AWG	ATEX 100/130V	II 2 G Ex de IIB T6 Gb	
	7.6m, 2.5mm2	ATEX 200/250V		
EFi50xx	30', 14AWG	NONE	Class I-II Group D, E, F, G (Motor Only)	
	9m, 2.5mm2			
EFi120xx	7.6m, 2.5mm2	ATEX 100/130V	II 2 G Ex de IIB T6 Gb	
	7.6m, 2.5mm2	ATEX 240V		
EFi150xx	25', 14AWG	ATEX 100/130V	II 2 G Ex de IIB T6 Gb	
	7.6m, 2.5mm2	ATEX 240V		

UB20xx

Compact and lightweight while delivering the highest CFM available in its class. Ultra-quiet operation at 74 dB. Power cable is 25' (7.6 m) for a long for extended reach. Integrated duct adapters to easily connect to an anti-static duct. Optional anti-static Quick-Couple™ Canister stores and protects conductive duct from rips and tears, by integrating into the UB20xx blower for fast and convenient set-up.

EFi75xx

Supplies fresh air and exhaust hazardous/explosive gases safely with optional duct adapters, which can be easily connected to the anti-static duct.

EFi50xx/ EFi120xx/ EFi150xx

The largest hazardous location blowers for the highest volume of air movement. Use the EFi50xx (0.5 hp) when you need a high volume, low velocity, somewhat gentler flow; or the EFi150xx (1.5 hp) model for higher velocities, increased volumes, and reduced purge or cooling times. 16" (40 cm) integrated duct adapters is an option, and it's stackable in storage or during operation. 16" (40 cm) integrated duct adapters as option. Stackable in storage or during operation.

SPECIFICATIONS

Models	Order	Free Air	Air Through 15' (4.6m) Duct w/ one 90° turn	Air Through 15' (4.6m) Duct w/ two 90° turns	Air Through 25' (7.6m) Duct w/ one 90° turn	Air Through 25' (7.6m) Duct w/ two 90° turns	Motor	Power	Amps (Start/Run)	Weight	Dimensions (h/w/d)
UB20xx	EF7002	980 cfm 1666 m³/hr	789 cfm 1341 m³/hr	666 cfm 1132 m³/hr	722 cfm 1227 m³/hr	614 cfm 1044 m³/hr	0.33 hp 0.25 kW	115V, 1Φ, 50/60Hz	7A/ 2.3A	27 lbs 12 kg	14/14/15.5 in 35/35/39 cm
	EF8002	819 cfm 1392 m³/hr	659 cfm 1120 m³/hr	558 cfm 948 m³/hr	603 cfm 1025 m³/hr	510 cfm 867 m³/hr		230V, 1Φ, 50/60Hz	3A/ 1.2A		
EFi75xx	EB7201XX	2500 cfm 4250 m³/hr	1664 cfm 2829 m³/hr	1529 cfm 2599 m³/hr			0.75 hp 0.56 kW	115V, 1Φ, 50/60Hz	37A/ 8.8A	44 lbs 20 kg	16/15/16 in 41/38/41 cm
	EB7201XX-230							230V, 1Φ, 50/60Hz	27A/ 4.4A		
EFi50xx	EA8000XX	3200 cfm 5440 m³/hr	1935 cfm 3289 m³/hr				0.5 hp 0.37 kW	115V, 1Φ, 60Hz	25A/ 6A	49 lbs 22 kg	19/18/16 in 48/46/41 cm
	EA8000XX-230							230V, 1Φ, 50Hz	13A/ 3A		
EFi120xx	EA8120XX-110	3750 cfm 6375 m³/hr	2700 cfm 4590 m³/hr				1.2 hp 0.9 kW	110V, 1Φ, 50Hz	54A/ 10A	55 lbs 25 kg	19/18/16 in 48/46/41 cm
	EA8120XX							240V, 1Φ, 50Hz	27A/ 5A		
EFi150xx	EG8200XX	4459 cfm 7580 m³/hr	3179 cfm 5404 m³/hr				1.5 hp 1.1 kW	115V, 1Φ, 60Hz	80A/ 15A	61 lbs 28 kg	19/18/16 in 48/46/41 cm
	EG8200XX-230							230V, 1Φ, 50Hz	40A/ 8A		

ACCESSORIES AVAILABLE FOR ADDITIONAL ACCESSORY INFORMATION SEE PAGES 30-33



DUCT ADAPTER/
REDUCER 12''-8''



ANTI-STATIC DUCT WITH
STORAGE BAG



QUICK COUPLE™
CANISTER



EXPLOSION PROOF
EXTENSION CORD





VENTILATION KITS

ALL-IN-ONE SYSTEMS

Kits contain the required equipment for confined space ventilation to eliminate the guesswork when placing an order. Ensure you have the ventilation equipment you need by ordering kits that contain the fan and accessories specific to your confined space operation.

AIRCRAFT FUEL TANK VENTILATION KIT

A complete, portable, explosion-proof ventilation kit designed specifically for fuel tank purging and exhausting fuel vapors completely away from the aircraft location to create a safer work environment.

UB20xx M.E.D.™ MANHOLE ENTRY DEVICE

The explosion-proof UB20xx System safely utilizes high strength polymers with an anti-static housing designed to discharge static build-up. The M.E.D.™ allows workers to enter and exit small, man-size openings while maintaining continuous ventilation.



M.E.D.™ Manhole Entry System In Use



AIRCRAFT FUEL TANK VENTILATION KIT

Order # EF72323-WT- Standard Maintenance Kit

- (1) Hazardous Location Blower/Exhauster 8 in
- (2) Ventilation Duct
- (1) Wye Duct Splitter
- (1) Duct coupler / Stainless HD 12" (300m)
- (1) Duct coupler Anti-Static PC/Nylon
- (2) Fuel Tank Adapter
- (1) Disposable layflat polyethylene duct (4/mil)
- (1) Zone 0 Headlamp
- (1) Zone 1 Inspection Lamp

Order # EB7325-WT - Extended Maintenance Kit

- (1) Hazardous Location Blower/Exhauster 12 in
- (4) Ventilation Duct
- (1) Wye Duct Splitter
- (1) Duct coupler / Stainless HD 12" (200m)
- (1) Duct coupler Anti-Static PC/Nylon
- (2) Fuel Tank Adapter
- (1) Zone 0 Headlamp
- (1) Zone 1 Inspection Lamp



UB20xx M.E.D.™ MANHOLE ENTRY SYSTEM

Order# EF7015-MEDXX UB20XX Manhole Entry System - 115V powered blower

Order# EF8015-MEDXX UB20XX Manhole Entry System - 240V powered blower

ACCESSORIES AVAILABLE FOR ADDITIONAL ACCESSORY INFORMATION SEE PAGES 30-33



**UB20XX
WITH DUCT AND CANISTER**



**ANTI-STATIC DUCT WITH
STORAGE BAG**



VENTURI

INTRINSICALLY SAFE "AIR HORNS"



Safe for use in explosive atmospheres. Venturis are powered by compressed air or saturated steam. They operate on the Venturi principle of using small volumes of high velocity air (from a compressed source) pushing the air through the cone body creating entrained air (pulling action), which induces large volumes of low velocity air through the cone and out the air diffuser.



RV760S
3"/7 cm

RV760
3"/7 cm

RV1500
6"/15 cm

SPECIFICATIONS

Models	Order#	Airflow at 40 PSI (cfm)	Airflow at 80 PSI (cfm)	Air Consumption/ Induction Ratio (40 PSI)	Air Consumption/ Induction Ratio (80 PSI)	Weight	Material	Dimensions (h/w/d)
RV760S	RV760S	810 1377	1180 2006	37 to 1	20 to 1	5 lbs 2 kg	Polyethylene with Carbon	5/16 in 13/41 cm
RV760	RV760	1001 1702	1439 2446	46 to 1	25 to 1	6 lbs 3 kg	Polyethylene with Carbon	8/33 in 20/84 cm
RV1500	RV1500	2740 4658	3329 5659	47 to 1	27 to 1	19 lbs 9 kg	Polyethylene with Carbon	12/42 in 30/41 cm

ACCESSORIES AVAILABLE FOR ADDITIONAL ACCESSORY INFORMATION SEE PAGES 30-33



STATIC CORD



PNEUMATIC BLOWERS

INTRINSICALLY SAFE



Pneumatic, explosion-proof blowers for use in hazardous locations. High strength anti-static housing with integrated duct adapters. Compressed air does not enter the airstream. Complete with filter, motor lubrication, exhaust muffler, air control valve and static grounding cord.

AFi50xx

Compact, air-driven ventilator. The pneumatic motor exhausts outside of the duct, so compressed air does not enter the airstream.

AFi75xx

Large, air-driven ventilator is stackable in storage or during operation. Exhausts outside of duct, so compressed air is not in airstream.



AFi75xx
12"/30 cm



AFi50xx
16"/40 cm

SPECIFICATIONS

Models	Order#	Airflow at 80 PSI	Air Consumption/ Induction Ratio (80 PSI)	Motor	Weight	Fan Housing	Dimensions (h/w/d)
AFi50xx	AB7000	3200 cfm 5440 m ³ /hr	80 to 1	GAST 4AM-NRV-50C	43 lbs 20 kg	Anti-Static Polycarbonate	19/21/16 in 48/53/41 cm
AFi75xx	AA7000	2042 cfm 3471 m ³ /hr	51 to 1	GAST 4AM-NRV-50C	38 lbs 17 kg	ABS Alloy	16/17/16 in 41/43/41 cm

ACCESSORIES AVAILABLE FOR ADDITIONAL ACCESSORY INFORMATION SEE PAGES 30-33



**DUCT ADAPTER/
REDUCER 12"-8"**



**ANTI-STATIC DUCT WITH
STORAGE BAG**



DUCT

CONDUCTIVE



ECKO Flex™ ducting allows great flexibility with several diameters and lengths to allow you to safely ventilate virtually any application. With new and improved construction, our unique anti-static ducting is available on short lead times with many items held in stock. Flexible ducting is vitally important in improving safety and working conditions. It can be used to bring fresh air into an area, extract contaminated air, and be used to direct heated air where it is needed. Using ducting gives you greater flexibility. Carefully selected materials, robust design, and rigorous testing will bring you a ducting system second to none. Constructed from an anti-static reinforced polymer material with an integrated steel helix wire, it has been vigorously tested by an independent laboratory where it passed both the anti-static and flammability tests.

ANTI-STATIC

Collapsible reinforced, conductive duct is flame retardant. Each duct comes with its own bag.



8"/20cm | 12"/30cm | 16"/40cm ANTI-STATIC DUCT

Order#	DUCT DIAMETER
FDT-0815CBB	8"/20 cm diameter duct, 15'/4.6 m with storage bag
FDT-0825CBB	12"/30 cm diameter duct, 16'/5 m with storage bag
FDT-1215CBB	12"/30 cm diameter duct, 16'/5 m with storage bag
FDT-1225CBB	12"/30 cm diameter duct, 33'/10 m with storage bag
FDT-1615CBB	16"/40 cm diameter duct, 15'/4.6 m with storage bag
FDT-1625CBB	16"/40 cm diameter duct, 25'/7.6 m with storage bag



PART NUMBER MODELS/ ACCESSORIES

ANNEX



A quick reference for fan and accessory part numbers or order numbers with descriptions.

8"/20CM HAZARDOUS LOCATION ELECTRIC BLOWER - SEE NOTE: (1)

MODEL	PART #	DESCRIPTION
Single Phase Electric - Hazardous Location Blowers EX rated (II 2 G Ex d IIB T6)		
UB20XX	EF7002	8"1/3HP, 115V, 50/60 IECEX/ATEX/INMETRO Blower-Exhauster, 8" Duct adapters
UB20XX	EF8002	20cm 1/4HP 240v 50/60 Hz IECEX/ATEX/INMETRO Blower-Exhauster, 8" Duct adapters
HAZ. LOC. BLOWER KIT		
UB20XX	EF7015	8" 1/3HP XX Blower-Exhaust Incl. Quick-Couple Canister w/15ft anti-static duct
UB20XX	EF8015	20cm 1/4HP Blower-Exhauster Incl. Quick-Couple Canister w/4.6m anti-static duct
UB20XX	EF7025	8" 1/3HP XX Blower-Exhaust Incl. Quick-Couple Canister w/25ft anti-static duct
UB20XX	EF8025	20cm 1/4HP Blower-Exhauster Incl. Quick-Couple Canister w/7.6m anti-static duct
UB20XX M.E.D.	EF7015-MEDXX	UB20XX Manhole Entry System - 115V powered blower
System includes: (or may be individually ordered)		
	EF7002	8" 1/3HP, 115V, 50/60 IECEX/ATEX/INMETRO Blower-Exhauster, 8" Duct adapters
	EF7004CL/DS	Quick-Couple Long Canister, 2 pcs (8") conductive duct - 5ft and 15ft and duct coupler
	MED5100XX	M-E-D, Manhole Entry Device, Anti-Static, Includes: MED Vent, Elbow, Mount (No Blower)
UB20XX M.E.D.	EF8015-MEDXX	UB20XX Manhole Entry System - 240V powered blower
System includes: (or may be individually ordered)		
	EF8002	20cm 1/4HP 240v 50/60 Hz IECEX/ATEX/INMETRO Blower-Exhauster, 8" Duct adapters
	EF7004CL/DS	Quick-Couple Long Canister, 2 pcs (8") conductive duct - 5ft and 15ft and duct coupler
	MED5100XX	M-E-D, Manhole Entry Device, Anti-Static, Includes: MED Vent, Elbow, Mount (No Blower)

12"/30CM HAZARDOUS LOCATION ELECTRIC BLOWER - SEE NOTE: (1)

MODEL	PART #	DESCRIPTION
Single Phase Electric - Hazardous Location Blowers EX rated (II 2 G Ex d IIB T6)		
EFi75XX	EB7201XX	12" 3/4HP Haz. Loc. Blower - IECEX/ATEX 115/240V 50/60Hz 115 V - 12" duct adapters-ATX
EFi75XX	EB7201XX-230	30cm 3/4HP 115/240V 50/60 Hz IECEX/ATEX blower- Wired 240V - 30cm duct adapters-AT
EFi75XX	EB7201XX-AFNOR	30cm 3/4HP 115/240V 50/60 Hz ATEX blower- Wired 240V - ZAG Adapters-ATX plug

16"/40CM HAZARDOUS LOCATION ELECTRIC BLOWER - SEE NOTE: (1)

Hazardous Location, Anti-static Housing - See Note: (1)

Hazardous Location Motors rated for Class I, Group D, Class II, Group E, F, G

EFi50XX	EA8000XX	16" 1/2HP Haz. Loc. Blower - Select 115V or 240v - 16" Adapters included- NO PLUG
EFi50XX	EA8000XX-230	40cm 1/2HP Haz.Loc. Blower - Select 115V or 240v - 40cm Adapters included
Single Phase Electric - Hazardous Location Blowers EX rated (II 2 G Ex de IIB T6 Gb)		
EFi120XX	EA8120XX	40cm 1.2HP Haz. Loc. Blower - IECEX/ATEX 110/240V 50Hz only -Wired 240V - 16A ATX plug
EFi120XX	EA8120XX-110	40cm 1.2HP Haz. Loc. Blower - IECEX/ATEX 110/240V 50Hz only -Wired 110V - 16A ATX plug
EFi150XX	EG8200XX	16" 1.5HP 115/240V 50/60 Hz IECEX/ATEX blower- Wired 115V - duct adapters, ATX plug
EFi150XX	EG8200XX-230	40cm 1.5HP 115/240V 50/60 Hz IECEX/ATEX blower- Wired 240V - duct adapters, ATX plug

Tilt Bracket

Accessory	EA9145	40cm Box Fan Tilt Bracket - Fits all 16" EFC/EFi blowers
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PNEUMATIC BLOWERS

MODEL	PART #	DESCRIPTION
Air motor driven w/ filter-oiler		
AFi50XX	AA7000	40cm Air Driven Blower - 1 each 40cm Adapters included
AFi75XX	AB7000	30cm Air Driven Blower - 2 each 30cm Adapters included

VENTURI BLOWERS

MODEL	PART #	DESCRIPTION
Venturis		
RV1500	RV1500	Venturi 6" Cone
RV760	RV760	Venturi 3" Cone
RV760S	RV760S	Venturi 3" Cone Short

DUCTING

MODEL	PART #	DESCRIPTION
Anti-Static Duct w/ Storage Bag		
Duct	FDT-0815CBB	8"/20cm Conductive Reinforced duct, 15'/4.6m
Duct	FDT-0825CBB	8"/20cm Conductive Reinforced duct, 25'/7.6m
Duct	FDT-1215CBB	12"/30cm Conductive Reinforced duct, 15'/4.6m
Duct	FDT-1225CBB	12"/30cm Conductive Reinforced duct, 25'/7.6m
Duct	FDT-1615CBR	16"/40cm Conductive Reinforced duct, 15'/4.6m
Duct	FDT-1625CBR	16"/40cm Conductive Reinforced duct, 25'/7.6m
Disposable Duct		
Duct	FDT-12DISP	12"/30cm Disposable Layflat polyethylene duct (4mil).....PRICE/100 FEET
Duct	FDT-16DISP	16"/40cm Disposable Layflat polyethylene duct (4mil).....PRICE/100 FEET
Layflat Duct		
Duct	FDT-1625SME	16"/40cm Unreinforced Layflat duct, 25'/7.6m
Duct	FDT-L4X10SME	16"/40cm 90° Unreinforced duct, 4ft x 10ft
Replacement duct for UB20 Quick-Couple Canister		
Duct	FDT-0805CB	8"/20cm Reinforced duct, 5ft (replacement only)
Duct	FDT-0815CR	8"/20cm Reinforced duct, 15'/4.6m (replacement only)
Duct	FDT-0825CR	8"/20cm Reinforced duct, 25'/7.6m (replacement only)
Replacement duct for UB20XX Quick-Couple Canister		
Duct	FDT-0805CCB	8"/20cm Conductive Reinforced duct, 5ft/1.5m (replacement only)
Duct	FDT-0815CRX	8"/20cm Conductive Reinforced duct, 15'/4.6m (replacement only)
Duct	FDT-0825CRX	8"/20cm Conductive Reinforced duct, 25'/7.6m (replacement only)

DUCTING

ACCESSORIES	PART #	DESCRIPTION
Ducted Blower Accessories		
Accessory	AZ-RAC-10	Retract-a-Clamp Grounding Clamp for Venturi Cones
Accessory	BG8	8"/20cm Duct Carrying Bag
Accessory	BG12	12"/30cm Duct Carrying Bag
Accessory	BG16	16"/40cm Duct Carrying Bag
Accessory	DC8	8"/20cm Duct Coupler Stainless HD
Accessory	DC12	12"/30cm Duct Coupler Stainless HD
Accessory	DC16	16"/40cm Duct Coupler Stainless HD
Accessory	EA7116	16" ABS Duct Adapter for "Box Fans" INLET/EXHAUST except for EX-rated
Accessory	EA7117	16" ABS Duct Adapter for "Box Fans" EX-rated exhaust fans only
Accessory	EC0301	8"/20cm Duct Adapter/Reducer for the 12"/30cm UB30

M.E.D. SYSTEM ACCESSORIES

Accessory	MED189	M-E-D, Manhole Entry Device, MED Vent
Accessory	MED189XX	M-E-D, Manhole Entry Device, MED Vent, Black Conductive
Accessory	MED5100	M-E-D, Manhole Entry Device, Includes: MED Vent, Elbow, Mount (No Blower)
Accessory	MED5100XX	M-E-D, Manhole Entry Device, Anti-Static, Includes: MED Vent, Elbow, Mount (No Blower)
Accessory	MED90	M-E-D, Manhole Entry Device, 90° Elbow Connector
Accessory	MED90XX	M-E-D, Manhole Entry Device, 90° Elbow Connector, Black Conductive
Accessory	MEDUM	M-E-D, Manhole Entry Device, Universal Mount

PPV - Accessories

Accessory	BG16LFA	16"/40cm Multi-Purpose Accessory Pack
System includes: (or may be individually ordered)		
	BG16LF	Storage bag for Layflat Duct, 90 deg duct and Mist-16 Kit
	ED-MIST16	16" Cooling Collar for RAMFAN 16" Blowers (May require duct adapter-CALL)
	FDT-1625SME	16"/40cm Unreinforced Layflat duct, 25'/7.6m
	FDT-L4X10SME	16"/40cm 90° Unreinforced duct, 4ft x 10ft

UB20 ACCESSORIES

ACCESSORIES	PART #	DESCRIPTION
Accessory	EF7004CL	Quick-Couple canister with 25'/7.6m of 8"/20cm Conductive reinforced duct for UB20XX
Accessory	EF7004CL/DS	QC Long Canister, 2 pcs (8"/20cm) conductive duct - 5'/1.5m and 15'/4.6m & duct coupler
Accessory	EF7004CS	Quick-Couple Canister with 15'/4.6m of 8"/20cm Conductive reinforced duct for UB20XX
Plugs		
Accessory	EZ-5-15P	115V Plug - NEMA 5-15P (15 amp)
Accessory	EZ-ATX96433	IECEX/ATEX-Appleton (PRE316PB) 16A/240V Plug-Standard
Accessory	EZ-ATX96433-S	IECEX/ATEX-STAHl (8570/12-306) 16A/240V Plug
Accessory	EZ-L5-15P	115V Plug - NEMA L5-15P (15 amp Twist-Lok)
Accessory	EZ-L5-20P	115V Plug - NEMA L5-20P (20 amp Twist-Lok)
Accessory	EZ-L5-30P	115V Plug - NEMA L5-30P (30 amp Twist-Lok)
Accessory	EZ-L6-20P	240v Plug - NEMA L6-20P (20 amp Twist-Lok)
Accessory	EZ-UGP15231	15A 125V Killark UGP-15231 Plug- Hazardous Location - Use with UB20xx
Accessory	ECX-14/100-STAHl240	100ft/30m extension cord with 240V STAHl plug and coupler for hazardous locations
Accessory	ECX-14/100-CEAG240	100ft/30m extension cord with 240V CEAG plug and coupler for hazardous locations

NOTE:

- (1) Units are built with EN60309-1 plugs, unless noted. The US/Canadian market lacks a standardized plug configuration for "EX-PROOF" use. Please request plug options at time of order.



There is a lot riding on the smooth functioning of your equipment - your own safety and the welfare of others. That is why Euramco Safety provides fast and comprehensive service as a standard operational procedure.

All products offered by Euramco Group are designed and manufactured with care. If you are unfamiliar with a product, you and your team should learn how to use it properly before putting it into operation. Our experts offer special training sessions for all devices.

You should study the user manual in-depth prior to start-up. If in doubt, please contact your specialized dealer. Firefighting and rescue equipment is placed under great strain in actual practice. Carry-out maintenance on a regular basis to ensure that it always functions smoothly.



MADE IN THE USA

Please contact your specialized dealer or one of our partners if a device is malfunctioning. They will provide a speedy repair service.

STARTUP

Please read the instruction manual carefully before start-up. You should familiarize yourself, and your team of the users, with your product in detail before using it for the first time. We will provide certifications of compliance and other certificates on request.

All goods sold by Euramco Group are manufactured in accordance with ISO 9001.

MAINTENANCE & REPAIRS

Please refer to the operating manual for information on the maintenance of your products sold by Euramco Safety. Should you have any questions, please contact your specialized dealer.

Please contact our sales staff if a product requires servicing or repair. We will accept products in need of servicing, discuss the quickest and most affordable solution with you, prepare cost estimates, carry-out the work, and answer any questions you may have. Please send us return shipments with the Euramco Return Material Authorization Form.

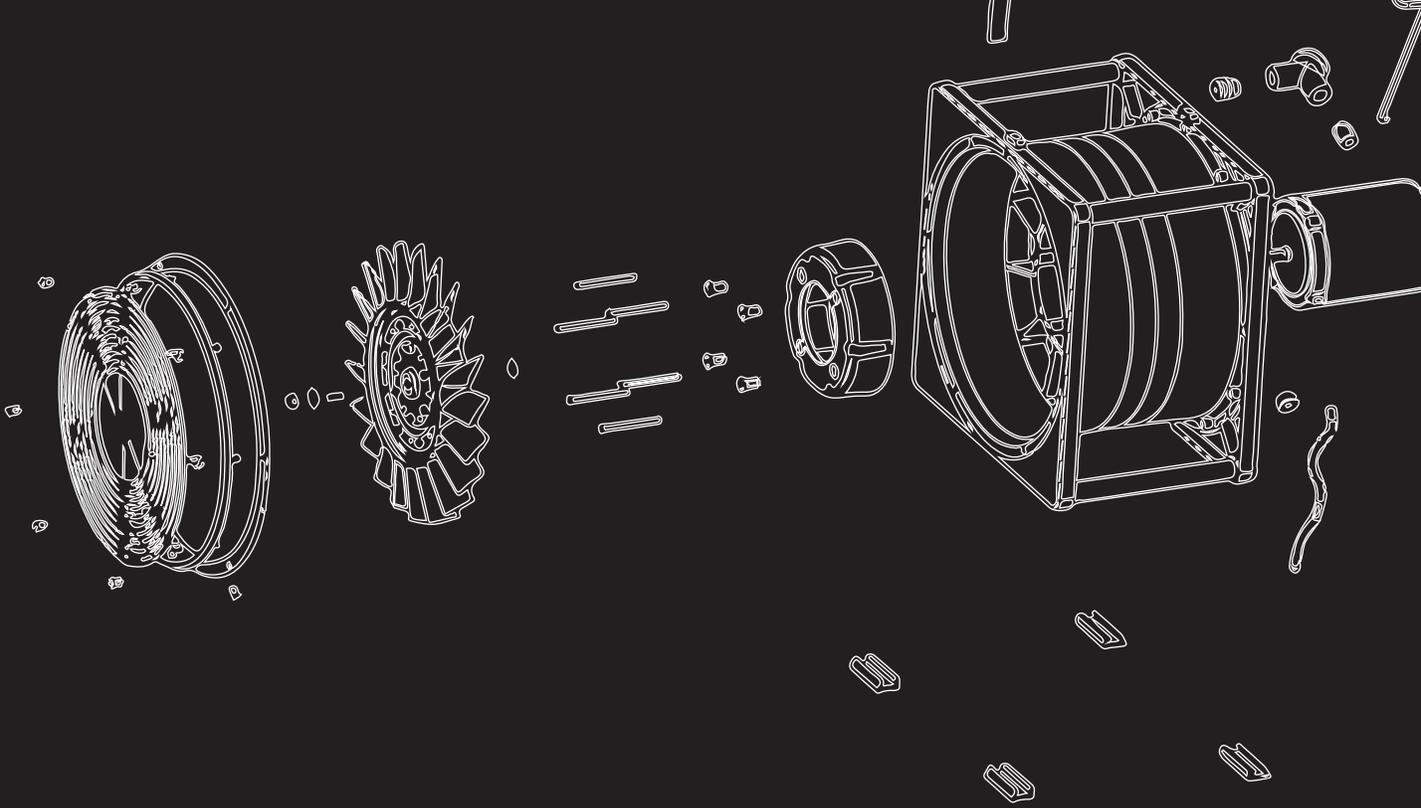
If necessary, we will send you a specialist to carry-out repairs on-site. The service technician will bring spare parts and other materials with him—you don't have to worry about a thing!

Some larger items will require special service considerations. Please contact the repair and service center for repair and maintenance work. Our team will determine whether the work needs to be done on-site, or in our service center and will be happy to answer any further questions you may have.

TRAINING & PRESENTATIONS

You should be able to use and operate your equipment with ease. That is why we give you ample opportunity to put our products to the test before purchasing them. Qualified experts will consult with you on-site regarding your requirements and specifications. They will show you how the actual appliance works and what it can do. Only then will you be able make an informed decision.

Special training programs give you and your team an opportunity to familiarize yourselves in detail with your new equipment. Our trainers will explain correct handling and carry-out practical exercises.



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Distributed by:



USA
2746 Via Orange Way
Spring Valley, CA 91978 USA
Toll Free: (800) 472-6326
Phone: +1 (619) 670-9590
Fax: +1 (619) 670-7345
theteam@euramco.com

LUXEMBOURG
1 Rue Edmond Reuter,
5326 Contern, Luxembourg
Phone: +352-621377200
Fax: +352-26008056
theteam@euramco.com

MIDDLE EAST - UAE
Jebel Ali FTZ, Dubai
Phone: +1 (619) 670-9590 x114
Fax: +1 (619) 670-7345
theteam@euramco.com

CHINA
No. 128, HeZhou Road, JiaoChuan Street,
ZhenHai District, Ningbo, China 315207
Phone: +86-574-87979390
Fax: +86-574-87979391
saleschina@euramco.com