

RAMFAN[®]

FIRE RESCUE CATALOG VOL. 55.2





FIRE RESCUE CATALOG

BATTERY | ELECTRIC | GAS | WATER

CONTENTS

4 CORE TECHNOLOGIES

12 ADVANCED SAFETY FEATURES

14 BrushlessPPV™ FAMILY

24 PLUG-IN ELECTRIC PPV BLOWERS

28 GAS PPV BLOWERS

32 WATER PPV BLOWERS

36 LARGE STRUCTURE VENTILATORS

40 ELECTRIC CONFINED SPACE FANS



RAMFAN[®]



46 CERTIFICATES & STANDARDS

48 SERVICES



CORE TECHNOLOGIES

PURPOSE BUILT - POWER TO SERVE

Battery Safety

RAMFAN Power Ecosystem

System Diagnostics

BrushlessPPV™

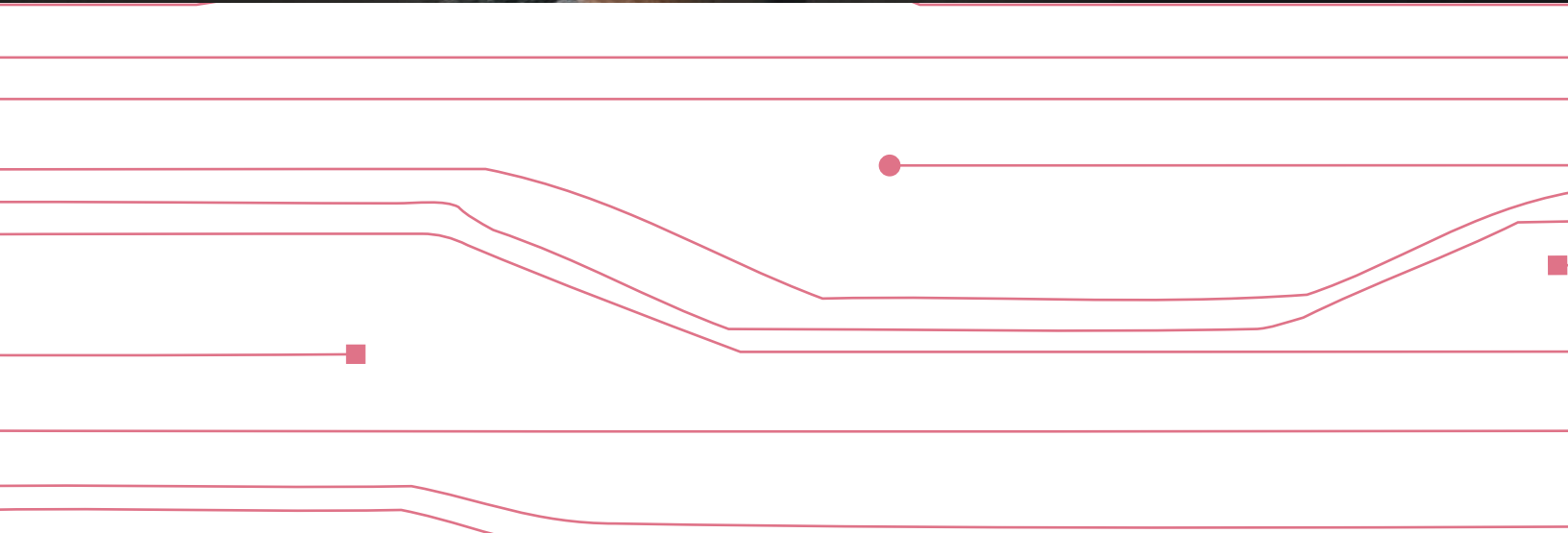
Advanced Safety Features

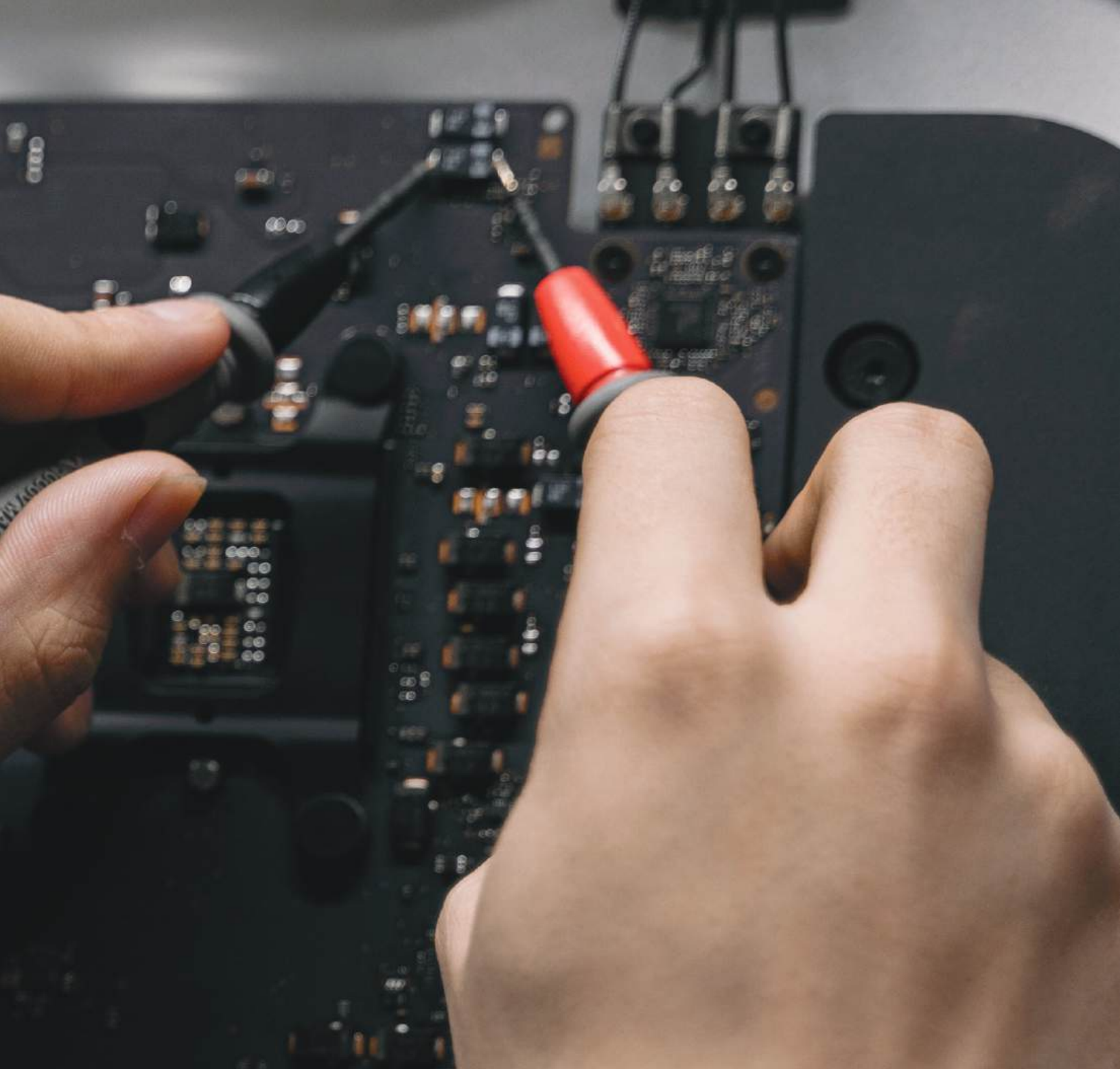
MAX mode

Variable Input Power Management

Rollover Protection System (ROPS)

PowerStream®







BATTERY SAFETY

- UL 94 V-0 Flameproof plastics
- Extruded aluminum housing 360° heat sink
- Cell level diagnostics
- PRO//connect compatibility
- Depressurization valve



MAINTENANCE PROCEDURE

BATTERY PACK	AFTER EACH USE	MONTHLY	EVERY YEAR
Gaskets	Inspect	Inspect	Inspect
External Connections	Inspect		
PRO//connect Diagnostics			Inspect
Discharge & Recharge		Inspect	



40V & 52V Compatibility

SYSTEM DIAGNOSTICS

The RAMFAN 40V (EX50Li) and 52V (EX150Li) BrushlessPPV fans feature essential battery-to-fan communication* for optimal safety and performance, ensuring battery operations are within safe temperature and current limits.



INTELLIGENT FUNCTIONS

- Maintenance Mode
- Recycle Mode

AVAILABLE DATA

- Charge Cycles
- State of Health
- State of Charge
- Temperature Sensors
- Cell Voltage
- Date of Last Charge
- Fault Code Reader



PRO//connect Compatibility

MODEL	CAPACITY	POWER	PERFORMANCE
M5-40V	10 Ah	216 Wh	500 cycles
M1-52V	8 Ah	375 Wh	500 cycles

*Battery-to-fan communication is not available on the 18V model, which is designed around Milwaukee and DeWalt proprietary technology restrictions.

The RAMFAN POWER ECOSYSTEM

RAMFAN

THE RAMFAN VERTICALLY INTEGRATED
MANUFACTURING ECOSYSTEM



**PRO//connect
Diagnostics**



**Brushless
Motors**



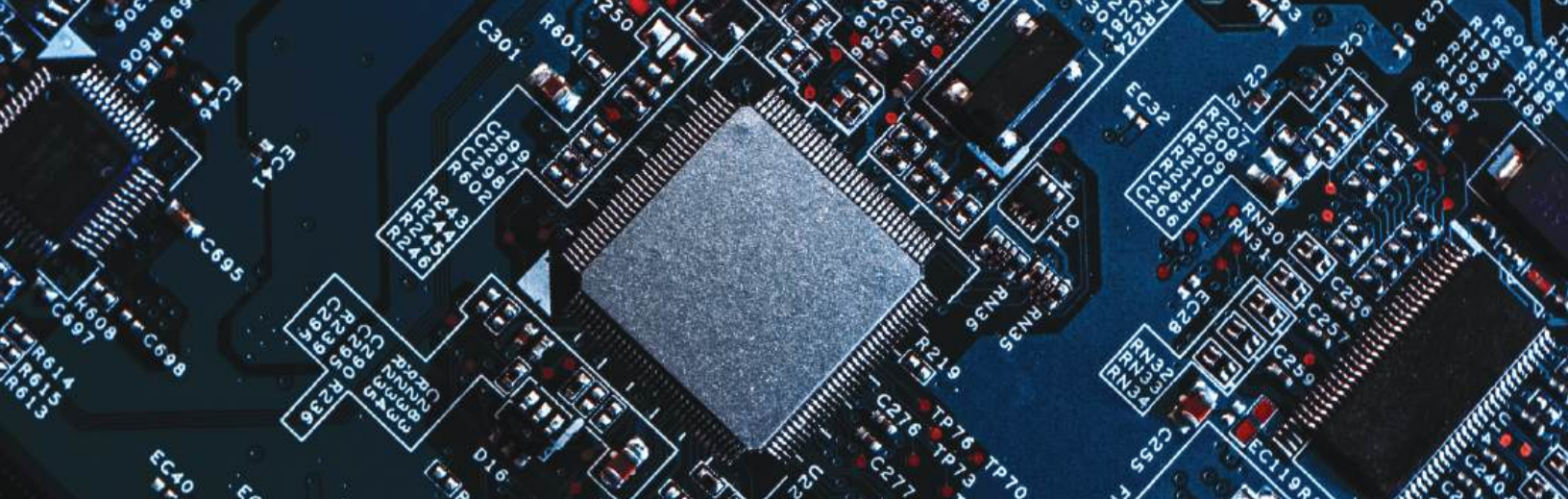
**Lithium-ion
Batteries**



Controllers



Impellers



With over five decades of expertise, RAMFAN has established itself as a pioneering force in the development of highly robust and efficient BrushlessPPV fans, tailored for first responders. Our enduring commitment to innovation is rooted in extensive field experience and valuable insights garnered from global firefighting and rescue teams. This rich history of engagement and continuous improvement has culminated in the creation of the RAMFAN Power Ecosystem.

PURPOSE-BUILT FOR MAXIMUM PREPAREDNESS

Central to the RAMFAN POWER Ecosystem are several key purpose-built components, each designed to meet the specific needs of first responders:

- Advanced Brushless Motor Technology
- Advanced Safety PRO//connect Lithium-ion Batteries
- POWERSTREAM Impeller for Optimal Focused Airflow
- Sophisticated Battery Management System (BMS)
- The PRO//connect System for Enhanced Performance Diagnostics

DEDICATED TO THE MISSION

This ecosystem represents our dedication to providing first responders with the most reliable and effective ventilation tools, engineered for extreme conditions, and designed to save lives.



BRUSHLESSPPV™



- Continuous duty
- Greater than 90% efficiency
- TAE0 design
- Ultra lightweight
- Optimized for firefighting PPV use

BrushlessPPV™ Models

PLATFORM	CONTROLLER	APPLICATION	CLASS
18V _{DC}	Intellisense S1	Battery-Electric PPV	1 hp
40V _{DC}	Intellisense E4		
52V _{DC}	Intellisense E3		2 hp
400V _{DC}	Intellisense P1	Plug-In Electric PPV	3 hp





ADVANCED SAFETY FEATURES

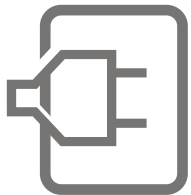
MAX MODE

1, 2, GO!



- Simple, intuitive operation
- Short-cut to maximum power
- Single button press

AVAILABLE ON
All BrushlessPPV™ Fans



VARIABLE INPUT POWER MANAGEMENT SYSTEM

- Auto detection of input power: battery & AC circuits
- Maximize the performance based on available power source
- Optimize for performance, safety & durability



AVAILABLE ON
18V_{DC}, 40V_{DC}, and 52V_{DC} BrushlessPPV™ Fans



ROLLOVER PROTECTION SYSTEM

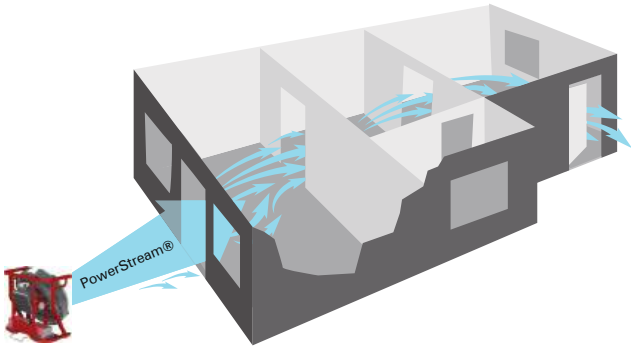


- Detect abrupt, unsafe fan movements
- Auto shutdown of fan to prevent injury
- Embedded sensor detection
- Safety technology built into all BrushlessPPV fans

AVAILABLE ON
All BrushlessPPV™ Fans



POWERSTREAM®



- RAMFAN proprietary air straightener technology
- Allows for greater the setback, using air entrained
- Increases the total air volume going into a structure
- Advanced fan impeller design converts a wide, spinning mass of air into a straight, focused beam

AVAILABLE ON
EX, GX, WX Models



BrushlessPPV™ FAMILY

RAMFAN's unique ecosystem of PPV fans designed exclusively for firefighting, providing the highest power available at the fireground.



18V/1hp



40V/1hp



52V/2hp

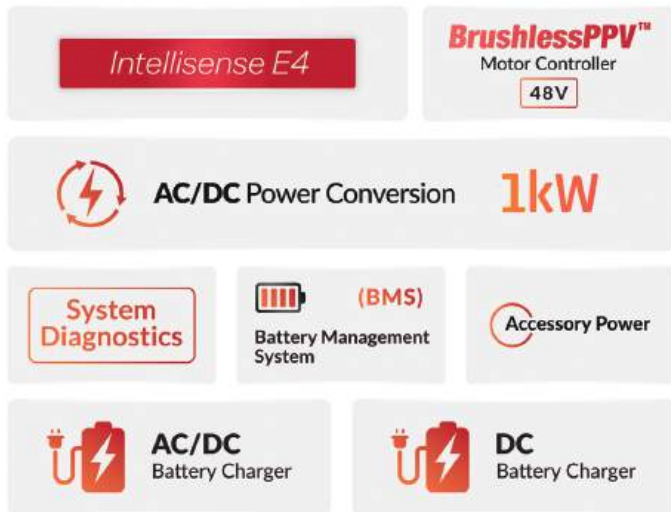


400V/3hp

40V



DC CHARGER



SPECS

ORDER# EL5900-2PK	Includes RAMFAN 40V 6Ah battery packs (2), power cord (1), carrying strap (1), wheel kit assembled (1)
MOTOR	1kW BrushlessPPV™
RUNTIME AT FULL SPEED	45 minutes (2 x 6Ah batteries) Unlimited (AC power)
BATTERY COMPATABILITY	RAMFAN 40V (2 simultaneously)
IP RATING	IP66
WEIGHT	55 lbs
DIMENSIONS (H X W X D)	22" x 21" x 16" in/56 x 53 x 41cm 22" x 21" x 12" in/56 x 30cm (wheel kit removed)
AMPS	6.7A (115V), 3.8A (230V)
NOISE	87 dB
APPROVALS	
NOMINAL DIAMETER	18"

SPECS

ORDER # EL5540MK (115V) # EL5540MKCE (23V)	EX50Li G3 (40V) Makita Model
MOTOR	1kW Brushless PPV™
RUNTIME AT MAX. SPEED	DC: 45 minutes (Two battery packs) AC: Unlimited
WEIGHT	54 lbs / 25 kg
DIMENSIONS	22 x 21 x 16in/56 x 53 x 41 cm 22 x 21 x 12in/56 x 53 x 30 cm (wheel kit removed)
NOISE	<87 dB
CONSUMPTION (RUNNING @ 100%, AC)	700 W
BATTERY SYSTEM	Makita XGT 40V 8.0 Ah Li-on
BATTERY SYSTEM PERFORMANCE	See Makita specification
DIMENSION	22 x 21 x 16in/56 x 53 x 41 cm 22 x 21 x 12in/56 x 53 x 30 cm (wheel kit removed)
WEIGHT	54 lbs / 25 kg
NOISE	<87 dB
OPERATING TEMPERATURE RANGE	-4°F to 105°F / -20°C to 40°C
CHARGE TEMPERATURE RANGE	-32°F to 105°F / -0°C to 40°C
TILT	-10° / 34°
CONFORMS TO	
AIRFLOW: 11,750 CFM (20,000 M./HR) [AMCA 240-21 PENDING]	

52V



Intellisense E3

BrushlessPPV™

Motor Controller

56V



AC/DC Power Conversion 1400W

PRO//Connect

System
Diagnostics

(BMS)

Battery Management
System

Accessory Power

AC/DC
Battery ChargerAC/DC
Battery Charger

SPECS

ORDER# EL6525 2PK	Includes RAMFAN 52V 8Ah battery packs (2) , power cord (1), wheel kit assembled (1)		
MOTOR	2 hp BrushlessPPV™		
RUNTIME AT FULL SPEED	45 minutes (2 x 8Ah battery packs) Unlimited (AC power)		
BATTERY COMPATABILITY	RAMFAN 52V (2 simultaneously)		
IP RATING	IP64		
WEIGHT	63 lbs		
DIMENSIONS (H X W X D)	23" x 21" x 21"		
AMPS	Under testing		
NOISE	90.2 dB		
APPROVALS	 UN 38.3 IEC 62133-2		
NOMINAL DIAMETER	18"		
CONTROLLER PLATFORM	Intellisense E3		
ON-TOOL CHARGING	1.5A per battery, simultaneous charge		
AMCA 240-15 VERIFIED AIRFLOW			
BATTERY POWER	12,377 cfm		



18V

18V for small flow
desmoking of rooms
or small residential
structures—compatible
with the commercial
batteries of your extrication
and handheld power tools

Use the batteries and
chargers you already
have in service.

SPECS

ORDER# EL5518D/ EL5518M	RAMFAN 18V
MOTOR	1 hp BrushlessPPV™
RUNTIME AT FULL SPEED	40 minutes (2 x 12Ah batteries) Unlimited (AC power)
BATTERY COMPATABILITY	18V Lithium-Ion Milwaukee M18 DeWALT 18V/20V FLEXVOLT
IP RATING	IP64 (Fan only)
WEIGHT	50 lbs
DIMENSIONS (H X W X D)	22" x 21" x 12"
AMPS	6.7A (115V), 3.8A (230V)
NOISE	91 dB
APPROVALS	 
NOMINAL DIAMETER	18"
CONTROLLER PLATFORM	Intellisense S1
AMCA 240-15 VERIFIED AIRFLOW	
BATTERY POWER	10,400 cfm

Intellisense S1


DC/DC
Battery-In-Series (BIS) Controller
18V / 36V


AC/DC
Power Conversion
700W

BrushlessPPV™
Motor Controller
36V-16A

System Diagnostics

Accessory Power

400V



**EXTREME POWER IN A
LITE-WEIGHT PORTABLE
PLATFORM.**

400V/2.4kW for high
flow vent tactics in larger
structures and/or more
aggressive tactics.



SPECS

ORDER# EK90500/ EK90520	Includes RAMFAN 400V
MOTOR	3 hp BrushlessPPV™
RUNTIME AT FULL SPEED	40 minutes (instagrid power) Unlimited (AC power)
IP RATING	IP64
WEIGHT	54 lbs
DIMENSIONS (H X W X D)	22" x 21" x 12"
AMPS	15A (115V), 10A (230V)
NOISE	90 dB
POWER SOURCE	AC grid portable generator, portable battery pack
NOMINAL DIAMETER	18"
AMCA 240-15 VERIFIED AIRFLOW: 14,000 CFM (23,786 M³/HR)	
CONTROLLER PLATFORM	Intellisense P1

Intellisense P1



AC
Power Conversion
1600W (115V)
2400W (230V)

BrushlessPPV™
Motor Controller
400V-6A

System Diagnostics

Accessory Power

ACCESSORIES



Simultaneous Fast Charger

Order# R25515
Order# R25515DC

Order # M16515DC
Order # M16515



PRO//connect Battery Packs

Order # M1-52V
Order# M5-40V
Recommend purchasing 2



DC Charger

Order# EL-7300
Compatible with EX50Li G3
40V BrushlessPPV model



Door Bar Hanger and Kit

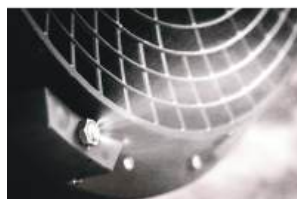
Order# EL7095
(Compatible with 18V, 40V,
and 400V BrushlessPPV
models)

Order# EL8095
Hanger Kit



Vehicle Mount

Order# EL610K
18V, 40V, 52V, 400V
BrushlessPPV models



Integrated Misters

Order# EL8111
(Compatible with 18V, 40V,
52V, and 400V BrushlessPPV
models)



Standard Duct with Storage Bags

Order# FDT-185MSR
18"/46 cm x 16.4"/5 m
For use with all 46 cm
Fans

Order# BG16
Storage Bag Only
Storage Bag for 16" (40 cm)



HI-Expansion Foam Adapter

Order# HI-5000
Compatible with:

- 18V
- 40V
- 52V
- 400V
- EX500
- EX520
- XP500
- XP520



PLUG-IN ELECTRIC
BLOWERS





**EX550****400VDC BRUSHLESS PPV**

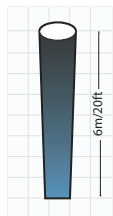
Extreme power in a lightweight and portable platform. 400 V / 2.4 kW for high flow vent tactics in larger structures and/or more aggressive tactics.

	400V (115 VAC)	400V (230 VAC)
ORDER #	EK90500	EK90520
MOTOR	3 hp BrushlessPPV™	
POWER	AC grid portable generator, portable battery pack	
PPV AIRFLOW	14,000 CFM (23,786 M³/HR)	
WEIGHT	68 lbs (31 kg)	
DIMENSIONS (H x W x D)	22" x 21" x 12"	
AMPS	15A (115V)	10A (230V)

EX SERIES

The latest variable speed electric PPV fans with PowerStream® air straighteners for greater flow velocities and more flexible setback. Dual Current available on EX400 & EX500 models, with the flip of a switch, power fan from GFCI 20A fire truck circuit to GFCI 15A house circuit. EX500 and EX520 have optional ingratiated misting system.

PowerStream®



	EX400 (16"/40 cm)	EX420 (16"/40 cm)	EX500 (18"/46 cm)	EX520 (18"/46 cm)
ORDER #	EB80600	EB88245	EK86500	EK86520
MOTOR	1.5 hp (1.1 kW)			
POWER	115V, 1Ø, 15A or 20A, 60Hz	230VAC, 1Ø, 10A, 50/60Hz	115V, 1Ø, 15A or 20A, 60Hz	230VAC, 1Ø, 10A, 50/60Hz
PPV AIRFLOW	11,391 cfm (19,365 m³/hr)	10,994 cfm (18,690 m³/hr)	11,540 cfm (19,618 m³/hr)	13,354 cfm (22,702 m³/hr)
WEIGHT	68 lbs (31 kg)		70 lbs (32 kg)	
DIMENSIONS (H x W x D)	22.6 x 17.4 x 18.5 in / 57 x 44 x 47 cm		23.5 x 21.0 x 18.5 in / 60 x 53 x 47 cm	
AMPS	15A / 20A			10A
NOISE	88 db @ 3' (1 m)		95 db @ 3' (1 m) / 91 db @ 10' (3 m)	

**EX400/EX420****EX500/EX520****ACCESSORIES****Standard Duct with Storage Bags**

Order# FDT-1615BR
16"/40 cm x 15'/4.6 m

Order# FDT-1625BR
16"/40 cm x 25'/7.6 m
For use with all 40 cm Fans

Order# FDT-185MSR
18"/46 cm x 16.4'/5 m
For use with all 46 cm Fans

Order# BG16
Storage Bag Only
Storage Bag for 16" (40 cm)

**Integrated Misting System**

Order# GH8112
1.85 gal/min @ 100 psi (1 l/min @ 6.9 bar)
(Compatible with EX500/EX520)

Order# EB8111
(Compatible with EV400/EV420, EX400/EX420)

Order# EL6013



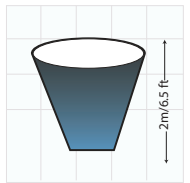
EV400/EV420

EV SERIES

Powerful variable speed electric PPV fan with a powder coated steel frame, all-terrain heavy-duty tires and full width retractable handle.

	EV400 (16"/40 cm)	EV420 (16"/40 cm)
ORDER #	EB80500	EB805010, EB81505 (CE)
MOTOR	1.5 hp (1.1 kW)	
POWER	115V, 1Ø, 15A or 20A, 60Hz	EB80510:230VAC, 1Ø, 10A, 60Hz EB81505:230VAC, 1Ø, 10A, 50Hz
PPV AIRFLOW	11,391 cfm (21,940 m³/hr)	10,994 cfm (30,039 m³/hr)
WEIGHT	68 lbs (31 kg)	
DIMENSIONS (H x W x D)	22.6 x 17.4 x 18.5 in / 57 x 44 x 47 cm	
AMPS	15A / 20A	

TurboForce™



XP SERIES

ATEX certified motor to safely purge hazardous gases. Equipped with PowerStream® air straighteners for greater setback distances.

	XP400 (16"/40 cm)	XP420 (16"/40 cm)	XP500 (18"/46 cm)	XP520 (18"/46 cm)
ORDER #	EB80500X	EB80500X-230	EB90600X	EB90600X-230
MOTOR	1.5 hp (1.1 kW)			
POWER	115V, 1Ø, 15A, 50/60Hz	230VAC, 1Ø, 8A, 50/60Hz	115V, 1Ø, 15A, 50/60Hz	
PPV AIRFLOW	11,391 cfm (19,365 m³/hr)	11,391 cfm (18,690 m³/hr)	11,540 cfm (19,618 m³/hr)	13,354 cfm (22,702 m³/hr)
WEIGHT	68 lbs (31 kg)		72 lbs (33 kg)	
DIMENSIONS (H x W x D)	22.6 x 17.4 x 18.5 in / 57 x 44 x 47 cm		23.5 x 21.0 x 18.5 in / 60 x 53 x 47 cm	
AMPS	80A / 15A			
NOISE	97 db @ 3' (1 m) / 95 db @ 10' (3 m)			



XP400/XP420



XP500/XP520



Cooling Collars/Misters 40 cm Blowers

Order# ED-MIST16
For use with all 16"
(40 cm) fans



HI-Expansion Foam Adapter

Order# HI-5000
Compatible with:
• 18V
• 40V
• 52V
• 400V
• EX500
• EX520
• XP500
• XP520

GAS

PPV BLOWERS & ACCESSORIES





**GX200L****GX200**

ULTRA LIGHTWEIGHT SERIES

RAMFAN offers the lightest PPV fans on the market, providing the ultimate portability. Starting at only 36 lbs, the GX200L can easily be carried with one hand. Light enough to carry up stairwells and deploy in large commercial buildings or powerful enough for PPV in residential houses. Equipped with PowerStream® air straighteners.

	GX200L (16"/40 cm)	GX200 (16"/40 cm)
ORDER #	GG5500	GG5010
MOTOR	Honda GXH50 2.1 hp (1.6 kW)	
RUN TIME	1 hr 40 min	
PPV AIRFLOW	12,820 cfm (21,794 m³/hr)	
WEIGHT	36 lbs (16 kg)	48 lbs (22 kg)
DIMENSIONS (H x W x D)	22.0 x 18.5 x 20.0 in / 56 x 47 x 51 cm	20.5 x 19.5 x 20.5 in / 55 x 50 x 52 cm
AMPS	91 dB @ 3' (1 m) / 86 dB @ 10' (3 m)	

GF SERIES

Tried and True the GF series have been around since RAMFAN got its start. The economical gas fans are well known for their durability.

	GF165 (16"/40 cm)	GF210 (16"/40 cm)
ORDER #	GA5006	GE5001
MOTOR	Honda GX160 4.8 hp (3.5 kW)	
RUN TIME	1 hr 26 min	
PPV AIRFLOW Single Door Double Door	12,906 cfm (21,940 m³/hr)	17,670 cfm (30,039 m³/hr)
WEIGHT	84 lbs (38 kg)	88 lbs (40 kg)
DIMENSIONS (H x W x D)	22.0 x 20.2 x 20.0 in / 56 x 51 x 51 cm	24.8 x 25.3 x 22.4 in / 63 x 64 x 22 cm
NOISE	96.2 dB @ 3' (1 m)	96 dB @ 3' (1 m)

**GF165****GF210**

ACCESSORIES



BIGbore™ Exhaust Diverter (Muffler Fitting)

Order# GF7110-CZ (For Honda GC160 Motor)
Order# GF7110-KZ (For Honda GXH50 Motor)
Order# GF7110-LZ (For Honda GX270 Motor)
Order# GF7120-BZ (For Honda GX160 Motor)
Order# GF7120-GZ (For Honda GX200 Motor)
Order# GF7120-DZ (For Honda GX120 Motor)



Hour Meter

Order# GX1515
For use with Honda Motors
Keep track regularly
schedule maintenance



Cooling Collars/Misters 40 cm Blowers

Order# ED-MIST16
For use with all 16" (40 cm) Fans



40 cm Multi-Purpose Accessory Kit

Order# BG16LFA
For use with all 16" (40 cm) Fans



GX SERIES

High performance PPV fans for structural firefighting. The GX Series blowers are equipped with PowerStream® air straighteners that tighten the airflow to keep it focused over longer distances without losing significant power; permitting unrestricted setback from the access point, reduced interference with communication and flexible positioning. Optional integrated misters.

	GX310 (18"/46 cm)	GX350 (18"/46 cm)	GX400 (21"/54 cm)
ORDER #	GH5010	GH5020	GE5022
MOTOR	Honda GX160 4.8 hp (3.5 kW)		
RUN TIME	2 hr 6 min		
PPV AIRFLOW Single Door Double Door	16,968 cfm (28,846 m³/hr)	18,705 cfm (31,799 m³/hr)	16,979 cfm (28,555 m³/hr) 22,500 cfm (38,250 m³/hr)
WEIGHT	82 lbs (37 kg)	84 lbs (38 kg)	88 lbs (40 kg)
DIMENSIONS (H x W x D)	21.6 x 21.6 x 19.7 in / 55 x 55 x 50 cm	21.6 x 21.6 x 19.7 in / 55 x 55 x 50 cm	24.9 x 25.0 x 22.0 in / 63 x 64 x 56 cm
NOISE	100 dB @ 3' (1 m)/ 95 dB @ 10' (3 m)	101 dB @ 3' (1 m)/ 97 dB @ 10' (3 m)	99 dB @ 3' (1 m)/ 95 dB @ 10' (3 m)



GX310/GX350



GX400



Exhaust Diverter Hose

Order# GF7115
For use with BIGbore™ Exhaust Diverter
2" x 12' (5 cm x 3.6 m)



Integrated Misting System

Order# GH8112 (For GX310, 350)
1.85 gal/min @ 100 psi (7 l/min @ 6.9 bar)

Order# GE8111 (GX400)



Standard Duct with Storage Bags

Order# FDT-1615BR
16"/40 cm x 15'/4.6 m
Order# FDT-1625BR
For use with all 40 cm
Fans
16"/40 cm x 25'/7.6 m
Order# FDT-185MSR
For use with all 18" (46 cm)
Fans
18"/46 cm x 16.4'/5 m
Order# BG16
Storage Bag Only
Storage Bag for 16" (40 cm)

WATER

PPV BLOWERS & ACCESSORIES





SAFER...

RAMFAN's water powered design eliminates the threat of electrical shock and minimizes 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 built of corrosion proof composite materials for long life, simple maintenance and easy replacement of parts.

**WF390L**

	WF390L (16"/40 cm)
ORDER #	WB5001LB, WB5001LNH, WB5001DIN (CCCF)
PPV AIRFLOW Single Door	10,886 cfm (18,506 m ³ /hr)
PRESSURE NOMINAL: MAX:	150 psi / 1.0MPa 250 psi / 1.7MPa
WEIGHT	60 lbs (27 kg)
DIMENSIONS (H x W x D)	22.8 x 16.9 x 16.0 in / 58 x 43 x 41 cm

	WX500 (24"/61 cm)
ORDER #	WX5001
PPV AIRFLOW Single Door	16,155 cfm @ 150 psi (27,464 m ³ /hr @ 1.0 MPa)
PRESSURE NOMINAL: MAX:	100 psi / 0.7 MPa 150 psi / 1.0 MPa
WEIGHT	60 lbs (27.22 kg)
DIMENSIONS (H x W x D)	23.5 x 21.0 x 18.5 in / 60 x 53 x 47 cm

**WX500****WF540**

	WF540 (21"/54 cm)
ORDER #	WD5010
PPV AIRFLOW Single Door	22,443 cfm @ 150 psi (38,154 m ³ /hr @ 1.0 MPa)
PRESSURE NOMINAL: MAX:	100 psi / 0.7 MPa 250 psi / 1.7 MPa
WEIGHT	75 lbs (34 kg)
DIMENSIONS (H x W x D)	25.6 x 24.8 x 20.9 in / 65 x 63 x 53 cm

ACCESSORIES**Integrated Misting System**

Order# WD8111
(WF540) 1.85 gal/min @ 100 psi (7 l/min @ 7 bar)

Order# WB8111
(WF390L)

Many water connection fittings available. Call for details.



LSV

LARGE STRUCTURE VENTILATORS





COME OF AGE AS ONLINE COMMERCE GROWS

Online retailers are filling warehouses everywhere with products. Adding these large warehouses into the current landscape 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 the fire fighting operations in a large structure with small structure equipment.

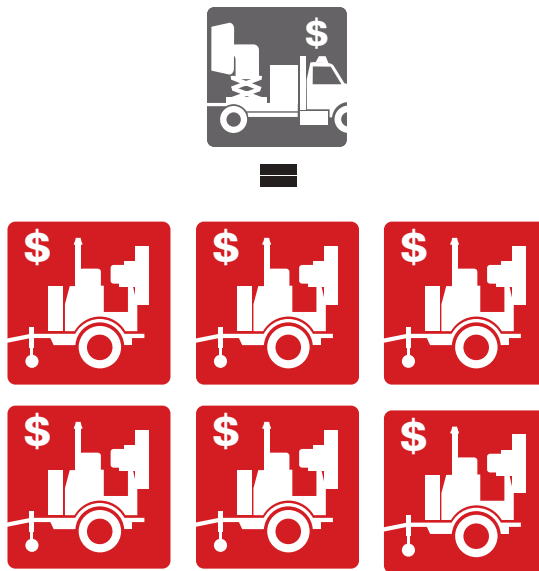
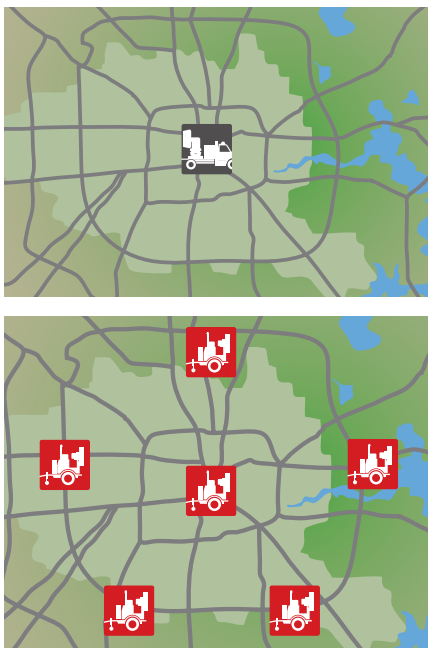
ONE HUGE FAN DOESN'T MAKE SENSE ANYMORE

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 high-rise stairwell and is offered at a price point so low you can buy 6 LSV's for every one truck mounted fan.

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 response 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.



LSV = LARGE STRUCTURE VENTILATORS = BIG FANS FOR BIG BUILDINGS

Large volumes of high-velocity airflow is required for ventilating large and complex structures. Quickly removing smoke, gases, engine exhaust or particulates from a large confined area increases safety of both personnel and property, reducing the chances of toxic inhalation and general atmospheric danger.



GX500



GX600

GX SERIES

High performance PPV fans for structural firefighting. The GX Series blowers are equipped with PowerStream® air straighteners that tighten the airflow to keep it focused over longer distances without losing significant power; permitting unrestricted setback from the access point, reduced interference with communication and flexible positioning. Optional integrated misters.

	GX500 (24"/60 cm)	GX600 (28"/70 cm)
ORDER #	GD5005, GD5003 (CCCF Certified)	GJ5005
MOTOR	Honda GX270 8.5 hp (6.3 kW)	Vangaurd 18 hp (13.4 kW) V-Twin OHV mod .3
RUN TIME	2 hrs 2 min	2 hrs 40 min
PPV AIRFLOW Single Door Double Door	27,800 cfm (47,260 m³/hr) 37,700 cfm (64,090 m³/hr)	32,500 cfm (55,250 m³/hr) 49,00 cfm (83,300 m³/hr)
WEIGHT	137 lbs (62 kg)	175 lbs (80 kg)
DIMENSIONS (H x W x D)	30.1 x 29.1 x 24.7 in / 76 x 73 x 62 cm	34.5 x 37.3 x 30.3 in / 88 x 95 x 77 cm
NOISE	100 dB @ 3' (1 m) / 95 dB @ 10' (3 m)	105 dB @ 3' (1 m) / 103 dB @ 10' (3 m)

	VX700 (Skid Mounted) (28"/70 cm)	VX700 (US Trailer Mounted) (28"/70 cm)
ORDER #	GK500	GK5005
MOTOR	Honda GX630 23 hp (17 kW)	
RUN TIME	2 hrs 30 min	
PPV AIRFLOW Double Door Warehouse	46,700 (79,390 m³/hr) 60,200 cfm (105,400 m³/hr)	
WEIGHT	220 lbs (100 kg)	920 lbs (417 kg)
DIMENSIONS (H x W x D)	49.0 x 33.3 x 47.3 in / 124 x 85 x 120 cm	6.6 x 4.8 x 10.3 ft / 2.0 x 1.4 x 3.1 m
NOISE	100 dB @ 3' (1 m) / 95 dB @ 10' (3 m)	



VX700

VARIATIONS



European Trailer Mounted



Skid Mounted



Continuous Track Mounted

ACCESSORIES



BIGbore™ Exhaust Diverter (Muffler Fitting)
Order# GF7110-LZ
(GX500)



Hour Meter
Order# GX1515 (For use with Honda Motors)
Keep track regularly schedule maintenance



Exhaust Diverter Hose
Order# GF7115
2" x 12' (5 cm x 3.6 m)



Integrated Misting System
Order# GD8111 (GX500)
Order# GD8111M (GX500 Option BSP)
Order# GJ8111 (GX600 only)

ELECTRIC

CONFINED SPACE FANS





CONFINED SPACE VENTILATORS

Confined space rescues require additional considerations to perform a rescue. In addition to general risks there is a danger of asphyxiation (lack of oxygen), poisoning, or fire and explosion. A fan can be used during confined space rescue to combat the additional risks. Ventilation can be performed by supplying or exhausting air or both. The weight and characteristics of the atmospheric hazard as well as the environmental conditions of the general area will dictate the type(s) of ventilation applied. Using a blower that can be used in positive or negative pressure ventilation is ideal. The safest option is to use the UB20xx explosion proof ventilator. It prevents a source of ignition in a flammable environment. In addition to the fan, consider an assortment of duct and Manhole Entry Device (M.E.D.). The M.E.D. will permit access through the manhole without interrupting airflow. Spaces that are deep may require extensive duct work. Multiple fans used in different configurations may be required. The more options you have, the better equipped you will be to address the problem.



SAFE

	UB20 (115V)	UB20 (230V)	UB20 (12VDC)
ORDER #	ED7003	ED8002	ED9002
MOTOR	1 hp (0.25 kW)		0.25 hp (0.19 kW)
POWER	115V, 1Ø, 50/60 Hz	230V, 1Ø, 50/60 Hz	12 VDC
FREE AIR THROUGH DUCT 15'/4.6 m w/one 90° turn: 15'/4.6 m w/two 90° turns: 25'/7.6 m w/one 90° turn: 25'/7.6 m w/two 90° turns:	980 cfm (1,666 m³/hr)	819 cfm (1,392 m³/hr)	862 cfm (1,465 m³/hr)
	789 cfm (1,341 m³/hr)	659 cfm (1,120 m³/hr)	695 cfm (1,181 m³/hr)
	666 cfm (1,132 m³/hr)	558 cfm (948 m³/hr)	586 cfm (996 m³/hr)
	722 cfm (1,227 m³/hr)	603 cfm (1,025 m³/hr)	
	614 cfm (1,044 m³/hr)	510 cfm (867 m³/hr)	
WEIGHT	17 lbs (8 kg)		
DIMENSIONS (H x W x D)	14.0 x 12.0 x 13.0 in / 36 x 31 x 33 cm		
AMPS	9.5A / 2.5A	4.8A / 1.3A	11.5A
NOISE	74 dB		

	UB20xx (115V)	UB20xx (230V)
ORDER #	EF7002	EF8002
MOTOR	0.33 hp (0.25 kW)	
POWER	115V, 1Ø, 50/60 Hz	230V, 1Ø, 50/60 Hz
FREE AIR THROUGH DUCT 15'/4.6 m w/one 90° turn: 15'/4.6 m w/two 90° turns: 25'/7.6 m w/one 90° turn: 25'/7.6 m w/two 90° turns:	980 cfm (1,666 m³/hr)	819 cfm (1,392 m³/hr)
	789 cfm (1,341 m³/hr)	659 cfm (1,120 m³/hr)
	666 cfm (1,132 m³/hr)	558 cfm (948 m³/hr)
	722 cfm (1,227 m³/hr)	603 cfm (1,025 m³/hr)
	614 cfm (1,044 m³/hr)	510 cfm (867 m³/hr)
WEIGHT	27 lbs (12 kg)	
DIMENSIONS (H x W x D)	14.0 x 14.0 x 15.5 in / 35 x 35 x 39 cm	
AMPS	7A / 2A	
NOISE	74 dB	



SAFEST

ACCESSORIES



Standard Duct

Order# FDT-21624046BR
8'/20 cm x 15'/4.6 m

Order# FDT-21624076BR
8'/20 cm x 25'/7.6 m



Quick-Couple™ Canister

Order# ED7004CS
Quick-Couple Canister with 15'(4.6 m) Standard Duct

Order# ED7004CL
Quick-Couple Canister with 25'(7.6 m) Standard Duct

Order# ED7004CL/DS - Quick-Couple™ Canister w/ (2pcs) 5'/1.5 m and 15'/4.6 m duct



Anti-static Duct

Order# FDT-0815CBB
8'/20 cm x 15'/4.6 m

Order# FDT-0825CBB
8'/20 cm x 25'/7.6 m



Quick-Couple™ Canister

Order# ED7004CS
Quick-Couple Canister with 15'(4.6 m) Standard Duct

Order# ED7004CL
Quick-Couple Canister with 25'(7.6 m) Standard Duct

Order# ED7004CL/DS - Quick-Couple™ Canister w/ (2pcs) 5'/1.5 m and 15'/4.6 m duct

HIGH VOLUME CONFINED SPACE VENTILATORS

Proper ventilation in confined spaces is essential for a safe work environment. Atmospheric hazards cause approximately 90% of worker injuries and fatalities in confined spaces. Ventilation of a confined space should be done to stabilize the environment. This could be to replace the bad air, make the air breathable, get rid of toxic vapors, make the area warmer or cooler, remove dust and so on. The larger the confined space the more powerful ventilator you will need. The RAMFAN UB30 is a high power ventilation unit moving up to 4,114 m³/hr of air for use in confined spaces. Constructed from ultra durable polymer to stand up to rugged work environments. The fan will provide reliable exhaustion or ventilation on the job site.



SAFE

	UB30 (115V)	UB30 (230V)
ORDER #	EJ4002	EJ8002
MOTOR	1 hp (0.75 kW)	
POWER	115V, 1Ø, 50/60 Hz	230V, 1Ø, 50/60 Hz
FREE AIR THROUGH DUCT		
15'/4.6 m w/one 90° turn:	2,420 cfm (4,114 m³/hr)	2,017 cfm (3,429 m³/hr)
15'/4.6 m w/two 90° turns:	2,050 cfm (3,485 m³/hr)	1,650 cfm (2,805 m³/hr)
25'/7.6 m w/one 90° turn:	2,050 cfm (3,485 m³/hr)	1,500 cfm (2,550 m³/hr)
25'/7.6 m w/two 90° turns:	1,875 cfm (3,188 m³/hr)	1,376 cfm (2,340 m³/hr)
	1,825 cfm (3,103 m³/hr)	1,400 cfm (2,380 m³/hr)
	1,750 cfm (2,974 m³/hr)	1,324 cfm (2,250 m³/hr)
WEIGHT	37 lbs (17 kg)	
DIMENSIONS (H x W x D)	20.0 x 15.5 x 12.0 in / 51 x 39 x 31 cm	
AMPS	33A / 8A	17A / 5A
NOISE	95 dB 3' (1 m)	

	EFi75xx (115V)	EFi75xx (230V)
ORDER #	EB7201XX	EB7201XX-230
MOTOR	0.75 hp (0.56 kW)	
POWER	115V, 1Ø, 50/60 Hz	230V, 1Ø, 50/60 Hz
FREE AIR THROUGH DUCT		
4.6 m w/one 90° turn:	2,500 cfm (4,250 m³/hr)	
4.6 m w/two 90° turns:	1,664 cfm (2,829 m³/hr)	
	1,529 cfm (2,599 m³/hr)	
WEIGHT	44 lbs (20 kg)	
DIMENSIONS (H x W x D)	16.0 x 15.0 x 16.0 in / 41 x 38 x 41 cm	
AMPS	37A / 8.8A	27A / 4.4A
NOISE	89 dB	

SAFEST



Standard Duct

Order# FDT-30534005BB
12"/30 cm x 16'/5 m

Order# FDT-30534010BB
12"/30 cm x 32'/10 m



Anti-static Duct

Order# FDT-1215CBB
12"/30 cm x 15'/4.6 m

Order# FDT-1225CBB
12"/30 cm x 25'/7.6 m



Explosion Proof Extension Cords

Order# H7250151-ATX1 (110V)
/ H7250152-ATX2 (240V)
ATEX Extension Cord, 15m, ATX
M/F connectors 16A

Order# H7250151-CEA1 (110V)
/ H7250152-CEA2 (240V)
ATEX Extension Cord, 15m,
CEAG M/F connectors 16A

Order# H7250151-STA1 (110V)
/ H7250152-STA2 (240V)
ATEX Extension Cord, 15m,
STAHL M/F connectors 16A

Order# H7250301-ATX1 (110V) /
H7250302-ATX2 (240V)
ATEX Extension Cord, 30m, ATX
M/F connectors 16A

Order# H7250301-CEA1 (110V) /
H7250302-CEA2 (240V)
ATEX Extension Cord, 30m, CEAG
M/F connectors 16A

Order# H7250301-STA1 (110V) /
H7250302-STA2 (240V)
ATEX Extension Cord, 30m, STAHL
M/F connectors 16A

EFi50xx/EFi120xx/EFi150xx

SAFEST



EURAMCO'S SPECIALTY. CERTIFIED EXPLOSION-PROOF PORTABLE VENTILATORS.			
	EFi50XX* (16"/40 cm)	EFi120XX (16"/40 cm)	EFi150XX (16"/40 cm)
ORDER NO#	EA8000XX, EA8000XX-230	EA8120XX, EA8120XX-110	EG8200XX, EG8200XX-230
MOTOR	0.5 hp (0.37 kW)	1.2 hp (0.9 kW)	1.5 hp (1.1 kW)
ELECTRIC	115/230V, 1Ø, 50/60 Hz	110/240V, 1Ø, 50Hz	115/230V, 1Ø, 50/60 Hz
FREE AIR THROUGH DUCT	3,200 cfm (5,440 m³/hr)	3,750 cfm (6,375 m³/hr)	4,459 cfm (7,580 m³/hr)
4.6 M W/ONE 90° TURN:	1,935 cfm (3,289 m³/hr)	2,700 cfm (4,590 m³/hr)	3,179 cfm (5,404 m³/hr)
WEIGHT	49 lbs (22 kg)	55 lbs (25 kg)	61 lbs (28 kg)
DIMENSIONS (H x W x D)	19.0 x 18.0 x 12.0 in / 48 x 46 x 41 cm	19.0 x 18.0 x 16.0 in / 48 x 46 x 41 cm	19.0 x 18.0 x 16.0 in / 48 x 46 x 41 cm
AMPS	25A / 6A, 13A / 3A	54A / 10A, 27A / 5A	80A / 15A, 40A / 8A
NOISE	90.2 db @ 3' (1 m)	86.1 db @ 3' (1 m)	90.2 db @ 3' (1 m)

*Certified Motor Only

EFC50x/EFC120x/EFC150x

SAFER

HEAT-RESISTANT LEXAN® HOUSING, AND USE AN EXPLOSION-PROOF MOTOR			
	EFC50X (16"/40 cm)	EFC120X (16"/40 cm)	EFC150X (16"/40 cm)
ORDER NO#	EA7000X	EA7300X	EG8000X, EG8000X-230
MOTOR	0.5 hp (0.37 kW)	1.2 hp (0.9 kW)	1.5 hp (1.1 kW)
ELECTRIC	115/230V, 1Ø, 50/60 Hz	230V, 1Ø, 50Hz	115/230V, 1Ø, 50/60 Hz
FREE AIR THROUGH DUCT	3,200 cfm (5,440 m³/hr)	3,750 cfm (6,375 m³/hr)	4,459 cfm (7,580 m³/hr)
4.6 M W/ONE 90° TURN:	1,935 cfm (3,289 m³/hr)	2,700 cfm (4,590 m³/hr)	3,179 cfm (5,404 m³/hr)
WEIGHT	49 lbs (22 kg)	55 lbs (25 kg)	61 lbs (28 kg)
DIMENSIONS (H x W x D)	19.0 x 18.0 x 12.0 in / 48 x 46 x 31 cm	19.0 x 18.0 x 16.0 in / 48 x 46 x 41 cm	19.0 x 18.0 x 16.0 in / 48 x 46 x 41 cm
AMPS	25A / 6A, 10A / 3A	27A / 5A	80A / 15A, 40A / 8A
NOISE	90.2 db @ 3' (1 m)	86.1 db @ 3' (1 m)	90.2 db @ 3' (1 m)



EFC50/EFC120/EFC150

SAFE



HEAT-RESISTANT LEXAN® HOUSING			
	EFC50 (16"/40 CM)	EFC120 (16"/40 CM)	EFC150 (16"/40 CM)
ORDER NO#	EA7000, EA7000-230	EA7300	EG8000, EG8000-230
MOTOR	0.5 hp (0.37 kW)	1.2 hp (0.9 kW)	1.5 hp (1.1 kW)
ELECTRIC	115/230V, 1Ø, 50/60 Hz	230V, 1Ø, 50Hz	115/230V, 1Ø, 50/60 Hz
FREE AIR THROUGH DUCT	3,200 cfm (5,440 m³/hr)	3,750 cfm (6,375 m³/hr)	4,459 cfm (7,580 m³/hr)
4.6 M W/ONE 90° TURN:	1,935 cfm (3,289 m³/hr)	2,700 cfm (4,590 m³/hr)	3,179 cfm (5,404 m³/hr)
WEIGHT	49 lbs (22 kg)	55 lbs (25 kg)	61 lbs (28 kg)
DIMENSIONS (H x W x D)	19.0 x 18.0 x 12.0 in / 48 x 46 x 31 cm	19.0 x 18.0 x 16.0 in / 48 x 46 x 41 cm	19.0 x 18.0 x 12.0 in / 48 x 46 x 31 cm
AMPS	25A / 6A, 10A / 3A	27A / 5A	80A / 15A, 40A / 8A
NOISE	90.2 db @ 3' (1 m)	86.1 db @ 3' (1 m)	90.2 db @ 3' (1 m)





EURAMCO GROUP'S CERTIFIED PRODUCT MARK OF EXCELLENCE

Euramco Group'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 GROUP 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 Group 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 Conformity 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.



CHINA COMPULSORY CERTIFICATION OF FIRE PRODUCTS | China Compulsory Certification of fire protection products, also known as "3C certification", it is the Chinese government to protect consumer safety and national security, strengthen product quality management to implement a product conformity assessment system.



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.



GITEKI CERTIFICATE OF COMPLIANCE | This certification applies to all products using the radio frequency spectrum. The Giteki mark is a visible indication of a product's compliance with applicable Japan's regulatory arrangements, including all technical and record-keeping requirements.

CERTIFICATIONS & STANDARDS

PLEASE NOTE: YOU CAN FIND VERIFICATION MARKINGS FROM THE BELOW ORGANIZATIONS THROUGHOUT THE CATALOG.

CERTIFICATIONS



ATEX- European Union Hazardous Location Certification by UL International Demko A/S notified by number 0539



CSA Certified to the applicable Canadian Standards for gas and other liquid petroleum products



European Union EMC and Safety



International Electric Code - worldwide certification standards for electrical equipment used in hazardous locations.



Recognized Component Mark for Canada and the United States



INMETRO Mark - Brazilian Hazardous Location Conformity



CSA Mark with other Standards as indicated by the mark below logo.



North American Hazardous Location Conformity



CSA Certified for both Canadian and United States markets



Registered by UL to a specified ISO or QS System.



CSA Certified to the applicable US Standards for gas and other liquid petroleum products

RATINGS

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.
IP64	Totally protected against dust ingress.	Protected against water spray from any direction
IP65	Totally protected against dust ingress.	Protected against low pressure water jets from any direction. Limited ingress permitted.

STANDARDS

ORGANIZATION		
	ANSI American	The American National Standards Institute (ANSI) empowers its members and constituents to strengthen the U.S. marketplace position in the global economy.
NSN	NSN NO.	13-digit numeric code, identifying all the 'standardize material items of supply' as they have been recognized by all NATO countries including United States Department of Defense.
	IMPA CODES	Is used in the marine industry, this aims to bridge the language barrier and offer worldwide shipping companies an easy way to order goods.



SERVICES

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@euramco.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@ramfan.com

- A confirmation will follow all orders placed.

AMERICA

Hours of Operation

M-F 8:30 a.m. - 5:00 p.m. PST

Toll Free 1 (800) 472-6326

Phone +1 (619) 670-9590

Fax+ 1 (619) 670-7345

CHINA

Hours of Operation

M-F 8:30 a.m. - 5:00 p.m.

Phone +86-574-87979390

Fax+ 86-574-87979391

EUROPE - LUXEMBOURG

Hours of Operation

M-F 9:00 a.m. - 5:00 p.m.

Phone +352-26008055

Fax+ 352-26008056

SINGAPORE

Hours of Operation

M-F 8:30 a.m. - 5:00 p.m.

Phone +65-9773 33 35

Find us on



@euramcogroup

[linkedin.com/company/euramcogroup](https://www.linkedin.com/company/euramcogroup)

Euramco Group

Contents of this catalog are subject to change without notice.

Image Disclaimer: We operate a policy of continuous product development. Images are used for illustration purposes only and may not be the latest version of the product.



**Headquarters -
USA**

2746 Via Orange Way
Spring Valley, CA
91978 USA

Europe

68, Avenue de la
liberte
1931 Luxembourg

China 中国

优兰特集团
Building 2, No. 239,
GuiAn South Road,
ZhuangShi Street,
ZhenHai District, Ningbo,
China 315201

Singapore

1 Fullerton Road
#02-01 One Fullerton
Singapore 049213

General Inquiries: theteam@ramfan.com

Support: support@ramfan.com