

# **RAMFAN<sup>®</sup>**

**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**<sup>®</sup>



**46** CERTIFICATES & STANDARDS

**48** SERVICES



# CORE TECHNOLOGIES

PURPOSE BUILT - POWER TO SERVE

**Battery Safety**

**RAMFAN Power Ecosystem**

**System Diagnostics**

**BrushlessPPV™**

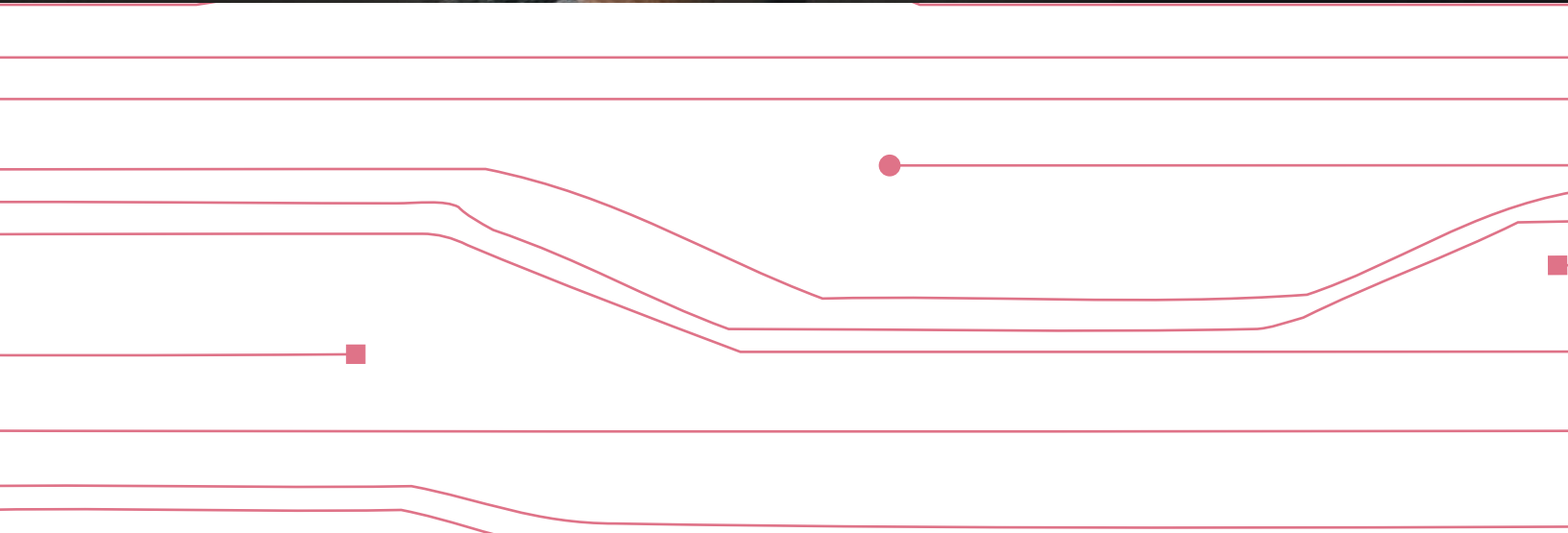
**Advanced Safety Features**

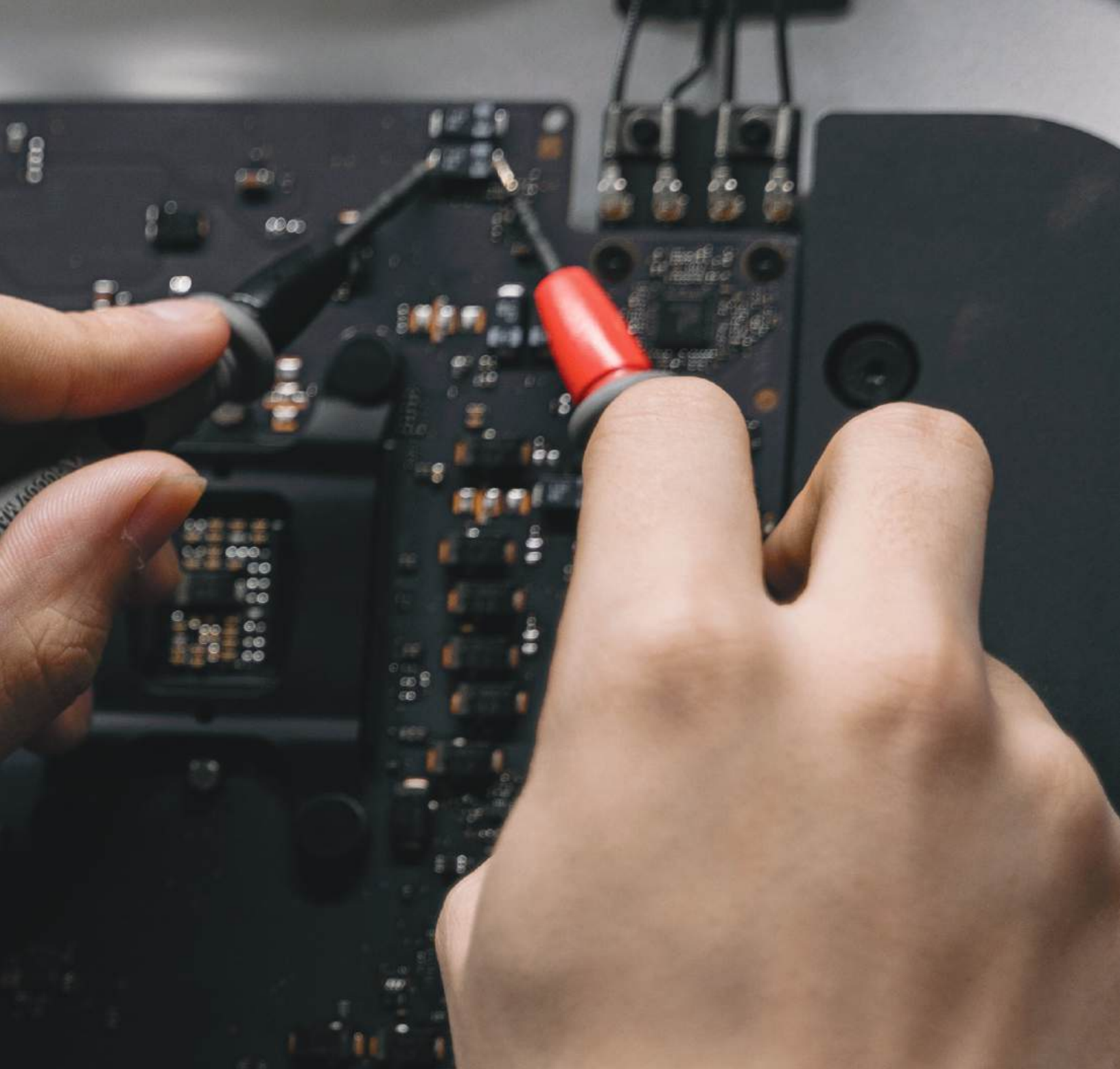
MAX mode

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.

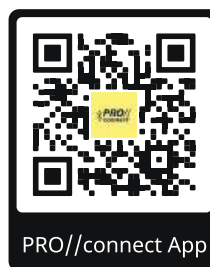


## INTELLIGENT FUNCTIONS

- 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 App

## 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**



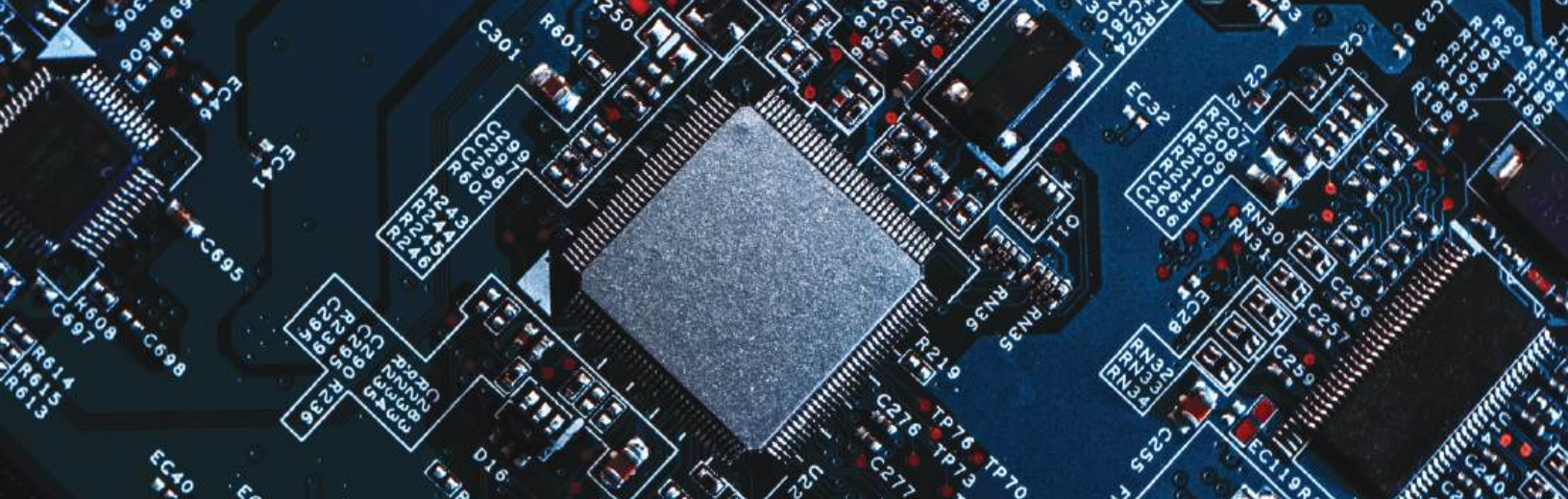
**Lithium-ion  
Batteries**



**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 <sub>DC</sub>	Intellisense S1	Battery-Electric PPV	1 hp
40V <sub>DC</sub>	Intellisense E4		
52V <sub>DC</sub>	Intellisense E3		2 hp
400V <sub>DC</sub>	Intellisense P1	Plug-In Electric PPV	3 hp

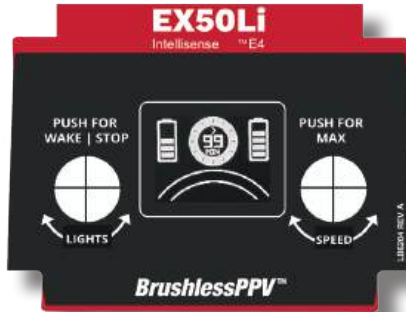




ADVANCED SAFETY FEATURES

# 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<sub>DC</sub>, 40V<sub>DC</sub>, and 52V<sub>DC</sub> BrushlessPPV™ Fans

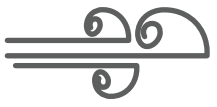


# ROLLOVER PROTECTION SYSTEM

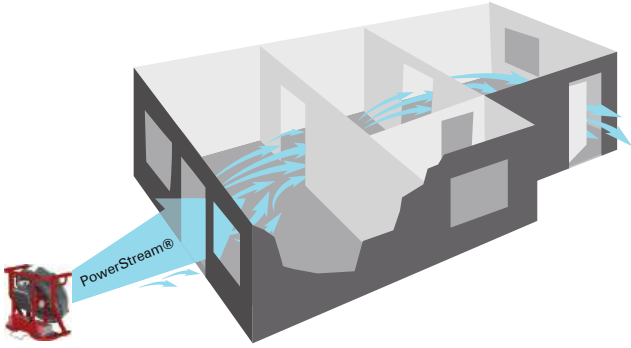


- Detect abrupt, unsafe fan movements
- Auto shutdown of fan to prevent injury
- Embedded sensor detection
- Safety technology built into all BrushlessPPV fans

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

**Intellisense E4**

**BrushlessPPV™**  
Motor Controller  
48V

**AC/DC Power Conversion 1kW**

**System Diagnostics**


**(BMS)**  
Battery Management System

**Accessory Power**


**AC/DC Battery Charger**

**DC Battery Charger**

## SPECS

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

## SPECS

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

# 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 Charger



AC/DC  
Battery Charger

## SPECS

<b>ORDER# EL6525 2PK</b>	Includes RAMFAN 52V 8Ah battery packs (2) , power cord (1), wheel kit assembled (1)
<b>MOTOR</b>	2 hp BrushlessPPV™
<b>RUNTIME AT FULL SPEED</b>	45 minutes (2 x 8Ah battery packs) Unlimited (AC power)
<b>BATTERY COMPATABILITY</b>	RAMFAN 52V (2 simultaneously)
<b>IP RATING</b>	IP64
<b>WEIGHT</b>	63 lbs
<b>DIMENSIONS (H X W X D)</b>	23" x 21" x 21"
<b>AMPS</b>	Under testing
<b>NOISE</b>	90.2 dB
<b>APPROVALS</b>	  UN 38.3 IEC 62133-2
<b>NOMINAL DIAMETER</b>	18"
<b>CONTROLLER PLATFORM</b>	Intellisense E3
<b>ON-TOOL CHARGING</b>	1.5A per battery, simultaneous charge
<b>AMCA 240-15 VERIFIED AIRFLOW</b>	
<b>BATTERY POWER</b>	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
<b>MOTOR</b>	1 hp BrushlessPPV™
<b>RUNTIME AT FULL SPEED</b>	40 minutes (2 x 12Ah batteries) Unlimited (AC power)
<b>BATTERY COMPATABILITY</b>	18V Lithium-Ion Milwaukee M18 DeWALT 18V/20V FLEXVOLT
<b>IP RATING</b>	IP64 (Fan only)
<b>WEIGHT</b>	50 lbs
<b>DIMENSIONS (H X W X D)</b>	22" x 21" x 12"
<b>AMPS</b>	6.7A (115V), 3.8A (230V)
<b>NOISE</b>	91 dB
<b>APPROVALS</b>	
<b>NOMINAL DIAMETER</b>	18"
<b>CONTROLLER PLATFORM</b>	Intellisense S1
<b>AMCA 240-15 VERIFIED AIRFLOW</b>	
<b>BATTERY POWER</b>	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

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

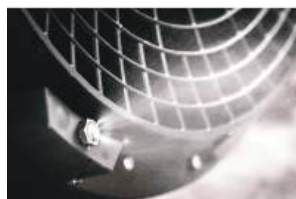
**Door Bar Hanger and Kit**

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**





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

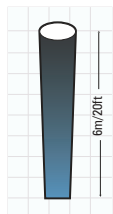
Extreme power in a lightweight and portable platform. 400 V / 2.4 kW for high flow vent tactics in larger structures and/or more aggressive tactics.

	400V (115 VAC)	400V (230 VAC)
<b>ORDER #</b>	EK90500	EK90520
<b>MOTOR</b>	3 hp BrushlessPPV™	
<b>POWER</b>	AC grid portable generator, portable battery pack	
<b>PPV AIRFLOW</b>	14,000 CFM (23,786 M <sup>3</sup> /HR)	
<b>WEIGHT</b>	68 lbs (31 kg)	
<b>DIMENSIONS (H x W x D)</b>	22" x 21" x 12"	
<b>AMPS</b>	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)
<b>ORDER #</b>	EB80600	EB88245	EK86500	EK86520
<b>MOTOR</b>	1.5 hp (1.1 kW)			
<b>POWER</b>	115V, 1Ø, 15A or 20A, 60Hz	230VAC, 1Ø, 10A, 50/60Hz	115V, 1Ø, 15A or 20A, 60Hz	230VAC, 1Ø, 10A, 50/60Hz
<b>PPV AIRFLOW</b>	11,391 cfm (19,365 m <sup>3</sup> /hr)	10,994 cfm (18,690 m <sup>3</sup> /hr)	11,540 cfm (19,618 m <sup>3</sup> /hr)	13,354 cfm (22,702 m <sup>3</sup> /hr)
<b>WEIGHT</b>	68 lbs (31 kg)		70 lbs (32 kg)	
<b>DIMENSIONS (H x W x D)</b>	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	
<b>AMPS</b>	15A / 20A			10A
<b>NOISE</b>	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

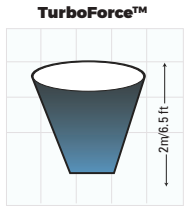


**EV400/EV420**

**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)
<b>ORDER #</b>	EB80500	EB805010, EB81505 (CE)
<b>MOTOR</b>	1.5 hp (1.1 kW)	
<b>POWER</b>	115V, 1Ø, 15A or 20A, 60Hz	EB80510:230VAC, 1Ø, 10A, 60Hz EB81505:230VAC, 1Ø, 10A, 50Hz
<b>PPV AIRFLOW</b>	11,391 cfm (21,940 m <sup>3</sup> /hr)	10,994 cfm (30,039 m <sup>3</sup> /hr)
<b>WEIGHT</b>	68 lbs (31 kg)	
<b>DIMENSIONS (H x W x D)</b>	22.6 x 17.4 x 18.5 in / 57 x 44 x 47 cm	
<b>AMPS</b>	15A / 20A	



**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)
<b>ORDER #</b>	EB80500X	EB80500X-230	EB90600X	EB90600X-230
<b>MOTOR</b>	1.5 hp (1.1 kW)			
<b>POWER</b>	115V, 1Ø, 15A, 50/60Hz	230VAC, 1Ø, 8A, 50/60Hz	115V, 1Ø, 15A, 50/60Hz	
<b>PPV AIRFLOW</b>	11,391 cfm (19,365 m <sup>3</sup> /hr)	11,391 cfm (18,690 m <sup>3</sup> /hr)	11,540 cfm (19,618 m <sup>3</sup> /hr)	13,354 cfm (22,702 m <sup>3</sup> /hr)
<b>WEIGHT</b>	68 lbs (31 kg)		72 lbs (33 kg)	
<b>DIMENSIONS (H x W x D)</b>	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	
<b>AMPS</b>	80A / 15A			
<b>NOISE</b>	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)
<b>ORDER #</b>	GG5500	GG5010
<b>MOTOR</b>	Honda GXH50 2.1 hp (1.6 kW)	
<b>RUN TIME</b>	1 hr 40 min	
<b>PPV AIRFLOW</b>	12,820 cfm (21,794 m <sup>3</sup> /hr)	
<b>WEIGHT</b>	36 lbs (16 kg)	48 lbs (22 kg)
<b>DIMENSIONS (H x W x D)</b>	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
<b>AMPS</b>	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)
<b>ORDER #</b>	GA5006	GE5001
<b>MOTOR</b>	Honda GX160 4.8 hp (3.5 kW)	
<b>RUN TIME</b>	1 hr 26 min	
<b>PPV AIRFLOW</b> Single Door Double Door	12,906 cfm (21,940 m <sup>3</sup> /hr)	17,670 cfm (30,039 m <sup>3</sup> /hr)
<b>WEIGHT</b>	84 lbs (38 kg)	88 lbs (40 kg)
<b>DIMENSIONS (H x W x D)</b>	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
<b>NOISE</b>	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.

	<b>GX310 (18"/46 cm)</b>	<b>GX350 (18"/46 cm)</b>	<b>GX400 (21"/54 cm)</b>
<b>ORDER #</b>	GH5010	GH5020	GE5022
<b>MOTOR</b>	Honda GX160 4.8 hp (3.5 kW)		Honda GX200 5.5 hp (4.1 kW)
<b>RUN TIME</b>	2 hr 6 min		1 hr 50 min
<b>PPV AIRFLOW</b> Single Door Double Door	16,968 cfm (28,846 m <sup>3</sup> /hr)	18,705 cfm (31,799 m <sup>3</sup> /hr)	16,979 cfm (28,555 m <sup>3</sup> /hr) 22,500 cfm (38,250 m <sup>3</sup> /hr)
<b>WEIGHT</b>	82 lbs (37 kg)	84 lbs (38 kg)	88 lbs (40 kg)
<b>DIMENSIONS</b> (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
<b>NOISE</b>	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**

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

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

**WX500****WF540**

<b>WF540 (21"/54 cm)</b>	
<b>ORDER #</b>	WD5010
<b>PPV AIRFLOW Single Door</b>	22,443 cfm @ 150 psi (38,154 m <sup>3</sup> /hr @ 1.0 MPa)
<b>PRESSURE NOMINAL: MAX:</b>	100 psi / 0.7 MPa 250 psi / 1.7 MPa
<b>WEIGHT</b>	75 lbs (34 kg)
<b>DIMENSIONS (H x W x D)</b>	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.

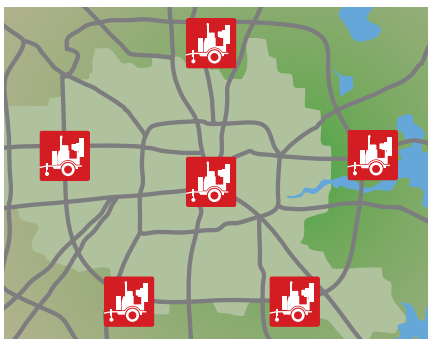
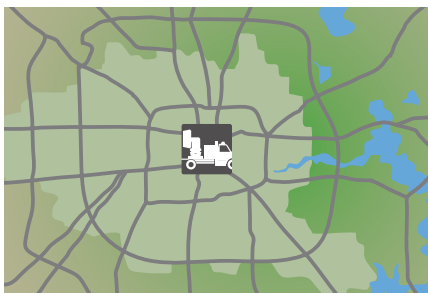
## ONE HUGE FAN DOESN'T MAKE SENSE ANYMORE

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.

## 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**



**GX600**

	<b>GX500 (24"/60 cm)</b>	<b>GX600 (28"/70 cm)</b>
<b>ORDER #</b>	GD5005, GD5003 (CCCF Certified)	GJ5005
<b>MOTOR</b>	Honda GX270 8.5 hp (6.3 kW)	Vanguard 18 hp (13.4 kW) V-Twin OHV mod .3
<b>RUN TIME</b>	2 hrs 2 min	2 hrs 40 min
<b>PPV AIRFLOW</b> 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) 49,000 cfm (83,300 m³/hr)
<b>WEIGHT</b>	137 lbs (62 kg)	175 lbs (80 kg)
<b>DIMENSIONS</b> (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
<b>NOISE</b>	100 dB @ 3' (1 m) / 95 dB @ 10' (3 m)	105 dB @ 3' (1 m) / 103 dB @ 10' (3 m)

	<b>VX700 (Skid Mounted)</b> (28"/70 cm)	<b>VX700 (US Trailer Mounted)</b> (28"/70 cm)
<b>ORDER #</b>	GK500	GK5005
<b>MOTOR</b>	Honda GX630 23 hp (17 kW)	
<b>RUN TIME</b>	2 hrs 30 min	
<b>PPV AIRFLOW</b> Double Door Warehouse	46,700 (79,390 m³/hr) 60,200 cfm (105,400 m³/hr)	
<b>WEIGHT</b>	220 lbs (100 kg)	920 lbs (417 kg)
<b>DIMENSIONS</b> (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
<b>NOISE</b>	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)
<b>ORDER #</b>	ED7003	ED8002	ED9002
<b>MOTOR</b>	1 hp (0.25 kW)		0.25 hp (0.19 kW)
<b>POWER</b>	115V, 1Ø, 50/60 Hz	230V, 1Ø, 50/60 Hz	12 VDC
<b>FREE AIR THROUGH DUCT</b>	980 cfm (1,666 m <sup>3</sup> /hr)	819 cfm (1,392 m <sup>3</sup> /hr)	862 cfm (1,465 m <sup>3</sup> /hr)
<b>15'/4.6 m w/one 90° turn:</b>	789 cfm (1,341 m <sup>3</sup> /hr)	659 cfm (1,120 m <sup>3</sup> /hr)	695 cfm (1,181 m <sup>3</sup> /hr)
<b>15'/4.6 m w/two 90° turns:</b>	666 cfm (1,132 m <sup>3</sup> /hr)	558 cfm (948 m <sup>3</sup> /hr)	586 cfm (996 m <sup>3</sup> /hr)
<b>25'/7.6 m w/one 90° turn:</b>	722 cfm (1,227 m <sup>3</sup> /hr)	603 cfm (1,025 m <sup>3</sup> /hr)	
<b>25'/7.6 m w/two 90° turns:</b>	614 cfm (1,044 m <sup>3</sup> /hr)	510 cfm (867 m <sup>3</sup> /hr)	
<b>WEIGHT</b>	17 lbs (8 kg)		
<b>DIMENSIONS (H x W x D)</b>	14.0 x 12.0 x 13.0 in / 36 x 31 x 33 cm		
<b>AMPS</b>	9.5A / 2.5A	4.8A / 1.3A	11.5A
<b>NOISE</b>	74 dB		

	UB20xx (115V)	UB20xx (230V)
<b>ORDER #</b>	EF7002	EF8002
<b>MOTOR</b>	0.33 hp (0.25 kW)	
<b>POWER</b>	115V, 1Ø, 50/60 Hz	230V, 1Ø, 50/60 Hz
<b>FREE AIR THROUGH DUCT</b>	980 cfm (1,666 m <sup>3</sup> /hr)	819 cfm (1,392 m <sup>3</sup> /hr)
<b>15'/4.6 m w/one 90° turn:</b>	789 cfm (1,341 m <sup>3</sup> /hr)	659 cfm (1,120 m <sup>3</sup> /hr)
<b>15'/4.6 m w/two 90° turns:</b>	666 cfm (1,132 m <sup>3</sup> /hr)	558 cfm (948 m <sup>3</sup> /hr)
<b>25'/7.6 m w/one 90° turn:</b>	722 cfm (1,227 m <sup>3</sup> /hr)	603 cfm (1,025 m <sup>3</sup> /hr)
<b>25'/7.6 m w/two 90° turns:</b>	614 cfm (1,044 m <sup>3</sup> /hr)	510 cfm (867 m <sup>3</sup> /hr)
<b>WEIGHT</b>	27 lbs (12 kg)	
<b>DIMENSIONS (H x W x D)</b>	14.0 x 14.0 x 15.5 in / 35 x 35 x 39 cm	
<b>AMPS</b>	7A / 2A	
<b>NOISE</b>	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 CONFINE 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 m<sup>3</sup>/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)
<b>ORDER #</b>	EJ4002	EJ8002
<b>MOTOR</b>	1 hp (0.75 kW)	
<b>POWER</b>	115V, 1Ø, 50/60 Hz	230V, 1Ø, 50/60 Hz
<b>FREE AIR THROUGH DUCT</b>	2,420 cfm (4,114 m <sup>3</sup> /hr)	2,017 cfm (3,429 m <sup>3</sup> /hr)
<b>15'/4.6 m w/one 90° turn:</b>	2,050 cfm (3,485 m <sup>3</sup> /hr)	1,650 cfm (2,805 m <sup>3</sup> /hr)
<b>15'/4.6 m w/two 90° turns:</b>	2,050 cfm (3,485 m <sup>3</sup> /hr)	1,500 cfm (2,550 m <sup>3</sup> /hr)
<b>25'/7.6 m w/one 90° turn:</b>	1,875 cfm (3,188 m <sup>3</sup> /hr)	1,376 cfm (2,340 m <sup>3</sup> /hr)
<b>25'/7.6 m w/two 90° turns:</b>	1,825 cfm (3,103 m <sup>3</sup> /hr)	1,400 cfm (2,380 m <sup>3</sup> /hr)
<b>WEIGHT</b>	37 lbs (17 kg)	
<b>DIMENSIONS (H x W x D)</b>	200 x 15.5 x 12.0 in / 51 x 39 x 31 cm	
<b>AMPS</b>	33A / 8A	17A / 5A
<b>NOISE</b>	95 dB 3' (1 m)	

	EFi75xx (115V)	EFi75xx (230V)
<b>ORDER #</b>	EB7201XX	EB7201XX-230
<b>MOTOR</b>	0.75 hp (0.56 kW)	
<b>POWER</b>	115V, 1Ø, 50/60 Hz	230V, 1Ø, 50/60 Hz
<b>FREE AIR THROUGH DUCT</b>	2,500 cfm (4,250 m <sup>3</sup> /hr)	
<b>4.6 m w/one 90° turn:</b>	1,664 cfm (2,829 m <sup>3</sup> /hr)	
<b>4.6 m w/two 90° turns:</b>	1,529 cfm (2,599 m <sup>3</sup> /hr)	
<b>WEIGHT</b>	44 lbs (20 kg)	
<b>DIMENSIONS (H x W x D)</b>	16.0 x 15.0 x 16.0 in / 41 x 38 x 41 cm	
<b>AMPS</b>	37A / 8.8A	27A / 4.4A
<b>NOISE</b>	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)
<b>ORDER NO#</b>	EA8000XX, EA8000XX-230	EA8120XX, EA8120XX-110	EG8200XX, EG8200XX-230
<b>MOTOR</b>	0.5 hp (0.37 kW)	1.2 hp (0.9 kW)	1.5 hp (1.1 kW)
<b>ELECTRIC</b>	115/230V, 1Ø, 50/60 Hz	110/240V, 1Ø, 50Hz	115/230V, 1Ø, 50/60 Hz
<b>FREE AIR THROUGH DUCT</b>	3,200 cfm (5,440 m <sup>3</sup> /hr)	3,750 cfm (6,375 m <sup>3</sup> /hr)	4,459 cfm (7,580 m <sup>3</sup> /hr)
<b>4.6 M W/ONE 90° TURN:</b>	1,935 cfm (3,289 m <sup>3</sup> /hr)	2,700 cfm (4,590 m <sup>3</sup> /hr)	3,179 cfm (5,404 m <sup>3</sup> /hr)
<b>WEIGHT</b>	49 lbs (22 kg)	55 lbs (25 kg)	61 lbs (28 kg)
<b>DIMENSIONS (H x W x D)</b>	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
<b>AMPS</b>	25A /6A, 13A / 3A	54A / 10A, 27A / 5A	80A / 15A, 40A / 8A
<b>NOISE</b>	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)
<b>ORDER NO#</b>	EA7000X	EA7300X	EG8000X, EG8000X-230
<b>MOTOR</b>	0.5 hp (0.37 kW)	1.2 hp (0.9 kW)	1.5 hp (1.1 kW)
<b>ELECTRIC</b>	115/230V, 1Ø, 50/60 Hz	230V, 1Ø, 50Hz	115/230V, 1Ø, 50/60 Hz
<b>FREE AIR THROUGH DUCT</b>	3,200 cfm (5,440 m <sup>3</sup> /hr)	3,750 cfm (6,375 m <sup>3</sup> /hr)	4,459 cfm (7,580 m <sup>3</sup> /hr)
<b>4.6 M W/ONE 90° TURN:</b>	1,935 cfm (3,289 m <sup>3</sup> /hr)	2,700 cfm (4,590 m <sup>3</sup> /hr)	3,179 cfm (5,404 m <sup>3</sup> /hr)
<b>WEIGHT</b>	49 lbs (22 kg)	55 lbs (25 kg)	61 lbs (28 kg)
<b>DIMENSIONS (H x W x D)</b>	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
<b>AMPS</b>	25A /6A, 10A / 3A	27A / 5A	80A / 15A, 40A / 8A
<b>NOISE</b>	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)
<b>ORDER NO#</b>	EA7000, EA7000-230	EA7300	EG8000, EG8000-230
<b>MOTOR</b>	0.5 hp (0.37 kW)	1.2 hp (0.9 kW)	1.5 hp (1.1 kW)
<b>ELECTRIC</b>	115/230V, 1Ø, 50/60 Hz	230V, 1Ø, 50Hz	115/230V, 1Ø, 50/60 Hz
<b>FREE AIR THROUGH DUCT</b>	3,200 cfm (5,440 m <sup>3</sup> /hr)	3,750 cfm (6,375 m <sup>3</sup> /hr)	4,459 cfm (7,580 m <sup>3</sup> /hr)
<b>4.6 M W/ONE 90° TURN:</b>	1,935 cfm (3,289 m <sup>3</sup> /hr)	2,700 cfm (4,590 m <sup>3</sup> /hr)	3,179 cfm (5,404 m <sup>3</sup> /hr)
<b>WEIGHT</b>	49 lbs (22 kg)	55 lbs (25 kg)	61 lbs (28 kg)
<b>DIMENSIONS (H x W x D)</b>	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
<b>AMPS</b>	25A /6A, 10A / 3A	27A / 5A	80A / 15A, 40A / 8A
<b>NOISE</b>	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.



MEMBER

**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.

Segurança



**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 Japans 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.
<b>NSN</b>	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](mailto: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](mailto: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  
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### SINGAPORE

Hours of Operation

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

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