

EX50Li

18"/46 cm

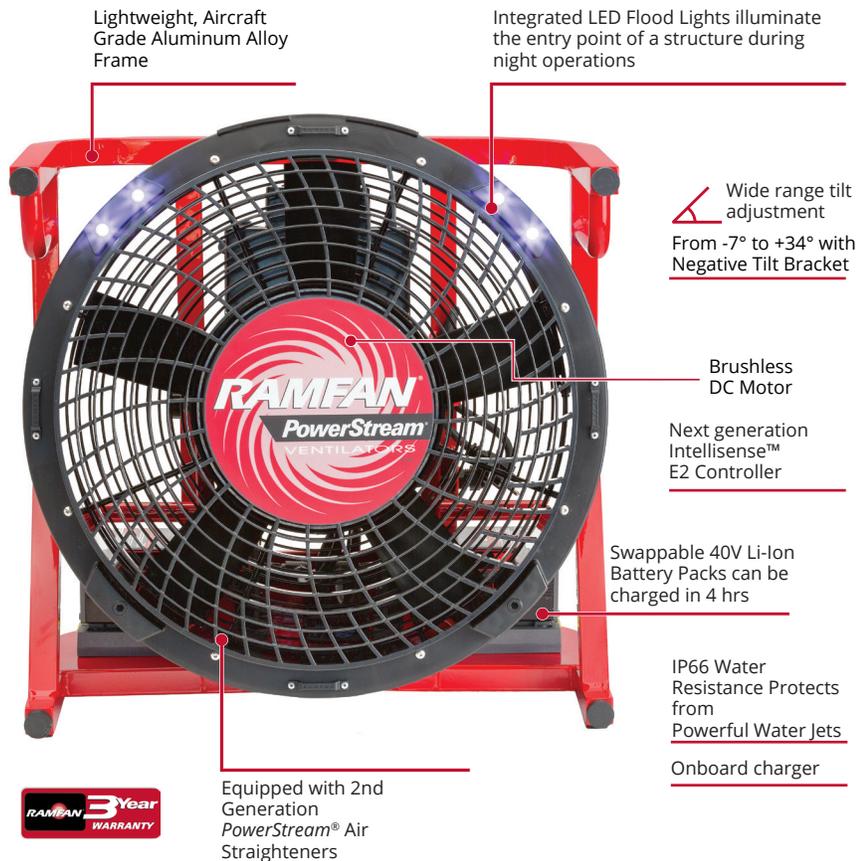
All-Purpose Battery Ventilator

The RAMFAN EX50Li is the only battery-powered PPV fan available with hot swappable IP66 rated battery packs, to protect against the inevitable sweep of the fire hose. The ability to have extra battery packs and onboard charger removes the limitations of other traditional fans, leading to a very quick and efficient usage of the fan at the fire ground.

40V Lithium Ion Battery Packs. PPV battery fans require batteries with greater density of energy storage. The battery management system (BMS) is the central element for monitoring and controlling energy storage systems. The 432 Wh Lithium Ion battery system allows for cordless operation and it was designed specifically for the high draw and sustained run-time applications demanded of PPV fans.

Specifications

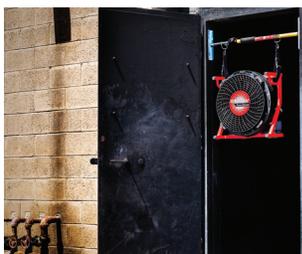
Model	EX50Li
Order #EL5500-2PK	Includes RAMFAN EX50Li 115 VAC (1), 40V 6Ah battery packs (2) and carrying strap (1).
Order #EL5500-230	EX50Li 230 VAC
NSN (Nato Stock Number)	4140-01-667-0430
Motor	0.8 Hp / 0.6 kW
Runtime @ Max. Speed	DC: 90 minutes (four battery packs) DC: 45 minutes (two battery packs) DC: 23 minutes (one battery pack) AC: Unlimited
Battery System	40V Lithium-ion, 432Wh, 12Ah
IP Rating (Motor/Battery System/Controller)	IP66 / IP66 / IP66
Dimensions (h x w x d)	22" x 21" x 12" in / 56 x 53 x 30 cm
Weight	with two batteries: 54 lbs / 25 kg with one battery: 50 lbs / 23 kg without batteries: 45 lbs / 20 kg
Approvals	CE AMCA
AMCA Verified Airflow	
AC Power Supply	9,635 cfm (16,370 m ³ /hr)
DC Power Supply	10,120 cfm (17,194 m ³ /hr)



Note: Output changes as setback from the opening changes. Single door airflow is per AMCA 240-15 testing. This data derives from 0" static pressure. Real world results will be substantially reduced by structure backpressure. EX50Li is tested at 13.5 ft (4.1 m) setback at 12.7° tilt and 2924 rpm on AC Power Supply and tested at 14 ft (4.3 m) setback at 9° tilt and 3045 rpm on DC Power Supply.

AMCA 240, as defined and tested by the third-party Air Movement and Control Association (AMCA), is tested through a standard area opening which represents a single-door structure opening most often used in fire fighting PPV operations. This test procedure is published and is the most accurate method for PPV airflow testing that currently exists. AMCA's testing center is available to all manufacturers of ventilators for performance verification to this standard. Due to its standardized, published testing procedure and third-party status, this is known internationally as the best testing method for comparing PPV fans. Verify performance data online at AMCA.org.

Operational Flexibility



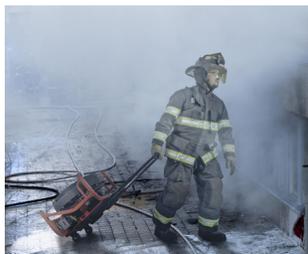
Smoke Ejector

Perfectly balanced to hang from a doorbar during smoke ejection.



Rehabilitation

Integrated misters rapidly cool and rehabilitate.



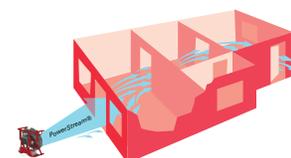
Wheel Kit

Wheel kit allows firefighters to pull the fan step-by-step in a fast, efficient order. The tough rub rails will protect against stairs and curbs, which makes the pull of the fan a smoother journey.



Confined Space Rescue

Used directly on top of a manhole or connected to duct for rescues in a confined space.



PPV

Equipped with 2nd generation PowerStream® airflow straighteners for flexible positioning, reduced noise inside the structure and a deeper FlowPath™ through the structure.

EX50Li

Wheel Kit

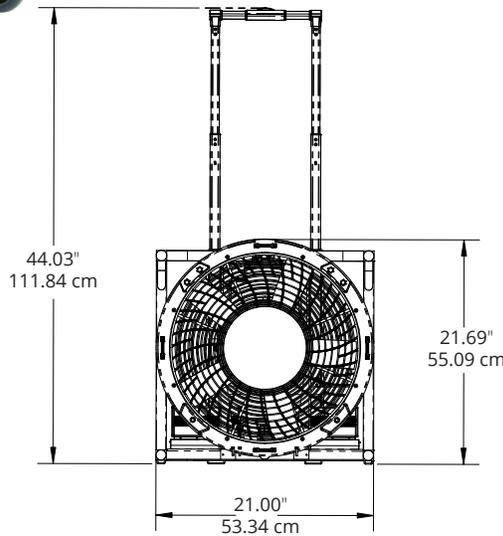
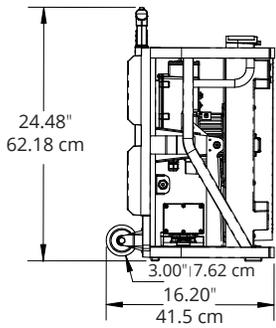
Tough, ergonomic design. Telescoping handle and polymer skirts make ascending curbs and steps simple. Designed to eliminate the risk of back injury caused by carrying load on one shoulder.



HANDLE DOWN

WHEEL KIT

Order# EL6015
 Weight: 5 lbs
 Total collapsed height 24.48 in
 Total extended height 44.03 in



HANDLE UP

Corrosion-resistant black anodized handles

Extra tough rub rails to protect against stairs and curbs



Available Accessories

External Battery Charger
 Order # R2C-5500DC
 Charge batteries on fire apparatus
 Order # R2C-5500AC (115 VAC)
 Order # R2C-5500AC230 (230 VAC)
 Charge batteries at fire station



Swappable 40V Li-Ion Battery Pack
 Order # R2-360-AH-U
 Spare Battery
 (recommend ordering 2)



Vehicle Mount Kit
 Order # EL600K
 Custom mount that perfectly fits fan



EX50Li Integrated Misters
 Order # EL8111
 (Male NH Adapter)



Double Female NH 1" Adapter
 Order # WF20-0252
1" BSP to STORZ Adapter
 Order # GX-8020

Convert to Confined Space Rescue Fan

Order # FDT-185MSR
 18"/46cm duct (16.4'/5m length)
 Order # FDT-1615BR
 16"/40cm duct (15'/4.6m length)
 Order # FDT-1625BR
 16"/40cm duct (25'/7.6m length)



Shoulder Strap

Order # EL6013



Convert to a Smoke Ejector Door Bar and Hanger Kit

Order # EL7095K
Hanger Kit
 (if you already own door bar)
 Order # EL8095



Negative Tilt Bracket*

Order # EL8007
 Engineered to increase the tilt range from -7° to +34°.
 *Standard range without Negative Tilt Bracket is 0° to +34°

