

40V EX50Li G3

1.3hp 1kW BrushlessPPV



Superior upgrade designed exclusively for firefighting

The RAMFAN 40V EX50Li G3 (EL5900) provides the highest power available for firefighters with upgrades that includes an increased power of 67% higher than the Gen 2 EX50Li, a new OLED digital display on the controller, optional MagCode power port and optional AT frame configuration.

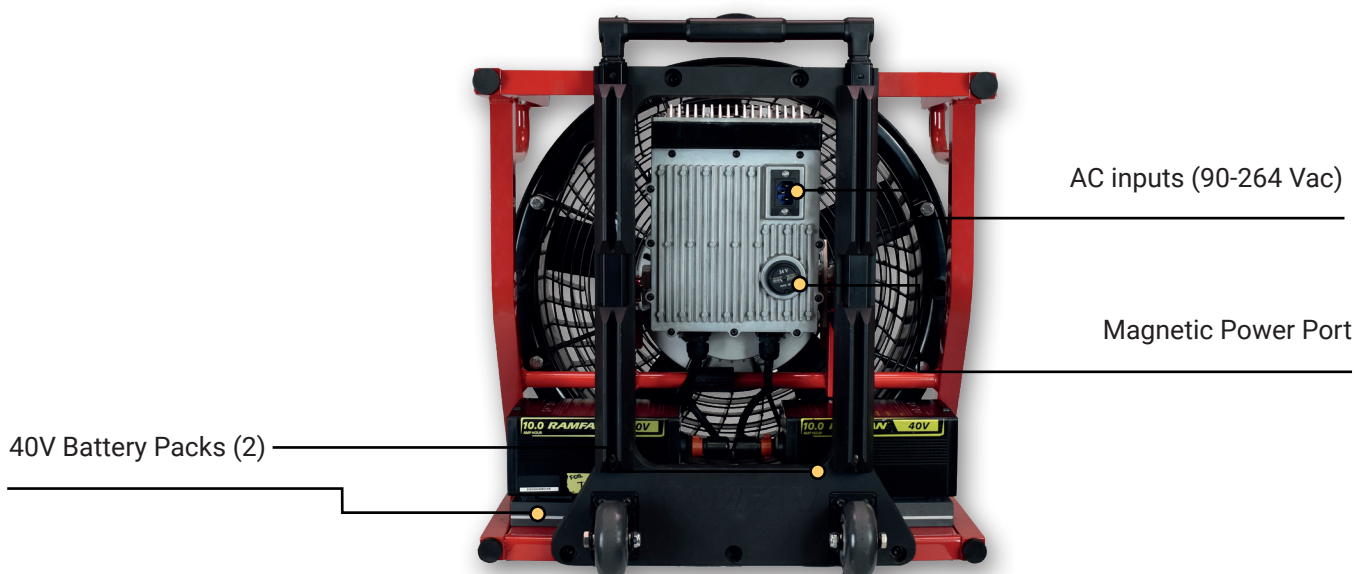
The RAMFAN 40V EX50Li G3 offers flexible charging options designed for fire apparatus readiness. With their on-tool charging, it supports AC charging from standard wall power, allowing the fan to run continuously without draining the batteries while initiating charging of the installed packs when the fan is not running.

The G3 also supports DC charging via our new MagCode Rapid Charger, featuring a magnetically guided DC plug that enables fast, glove-friendly connections with built-in breakaway safety inside the apparatus. For added flexibility, the external Dual-Pack Rapid Charger allows simultaneous charging of two battery packs outside the fan—ensuring fully charged spares are always ready when you need them.

Key Features

User Interface	OLED digital display with runtime, speed settings, modes, and messages
Wireless Connectivity	Pro//connect allows remote operations and diagnostics.
Safety Features	• ROPS: Faster response for enhanced safety during critical movements. • LED Flood Lights: Low runtime warning with integrated shroud flash signaling.
DC Charging	• MagCode Rapid Charger provides a safe, self-aligning DC connection with its magnetic design.
AC Charging	• When plugged in, the internal power supply will provide unlimited AC time. • While connected, the system can charge the 40V battery packs mounted on the fan.

40V EX50Li G3 1.3hp 1kW BrushlessPPV



67% higher power than the Gen 2 EX50Li with a better runtime (1kW continuous / 1.2kW MAX mode™)



Flexible charging options with the On-Tool AC, MagCode Rapid, and Dual-Pack Rapid Chargers.



Integrated OLED digital display with runtime, speed settings, modes, and messages.



Available in standard frame with optional AT frame configuration.



Unmatched 1kW motor performance for superior ventilation.

The RAMFAN EX50Li G3 Brushless PPV (EL5900) provides a highly efficient and adaptable solution for firefighters. Now available with rugged all-terrain wheels!

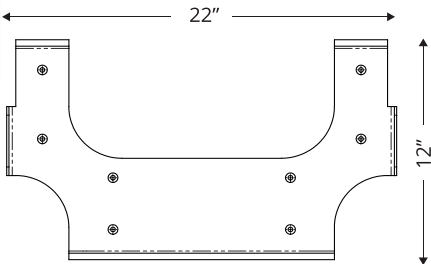


40V EX50Li G3 Diagram

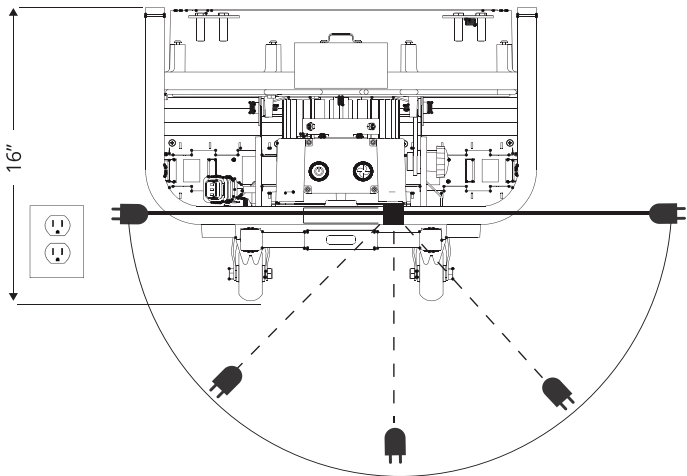


TRUCKFIT

FAN	SIZE		DIMENSIONS (HxVxD)	
			in	cm
40V	18	46	22 x 21 x 16	56 x 53 x 41



Vehicle Mount



10"
AC outlet placement
for ontool charging

**Custom cord lengths available upon request*

Technical Specifications

EX50Li G3 (40V_{DC}) 18"/ 46 cm

Model Number		PRO//connect		Makita
	Input Voltage	115V	230V	
	Urban Edition	EL5900	EL5900-E	
	All-Terrain Edition	EL5925	EL5925-E	
Motor		1kW Brushless PPV		
Runtime @ Max. Speed		45 min - 40v/10Ah (Part# M5-40V) AC: Unlimited		
Input Voltage Range		Universal Input: 90-264 V _{AC} at 50/60 Hz		
Consumption AC (Running @ 100%)		700 W		
Consumption (During On-Tool Charging)		168W		N/A
Charger Output		4A / 2A per battery (simultaneous)		N/A
MagCode Rapid Charger	Optional			N/A
Dual-Pack Rapid Charger	Optional			N/A

Battery System Performance (M5-40V battery)

Nominal Energy	720 Wh
Maximum Discharge Current	20 A
Cycle Life DoD 80%	>500 Cycles (at 1C charge/ discharge 100% DoD)
IP Rating	IP66
Wireless Diagnostics:	via NFC/BLE to PRO//connect mobile app
Recycling Mode	Safety Recycle by draining residual energy
Maintenance Mode	Initial Cell Balancing in low use fans

Dimension	22 x 21 x 16 in/56 x 53 x 41cm
	22 x 21 x12 in/56 x 53 x 30cm (AT frame) (wheel kit removed)
Weight	52 lbs
Noise	<90 dBA
Operating Temp Range	-4°F to 105°F / -20°C to 40°C
Charge Temp Range	-32°F to 105°F / -0°C to 40°C
Tilt	-10° to +34°
Conforms To	CE * N

Airflow: AMCA 240-22 pending