



LARGE FLOW VENTILATORS

- Easy 3000: ultralight & towable
- CarPark Fan: portable for covered car parks

THE MOBILE VENTILATION SOLUTION FOR LARGE VOLUME AREAS: TUNNELS, WAREHOUSES...

Easy 3000 is an extremely manoeuvrable mobile large-flow ventilator. It has been designed to provide an effective smoke extraction, cooling and extinguishing solution for large volume structures.

Equipped with a nozzle spraying system in its standard version, Easy 3000 offers effective gas dilution and smoke cooling. Its extremely reduced weight* gives it an **unrivalled performance / manoeuvrability ratio in operation.**

One or two firefighters can easily handle Easy 3000 while proceeding with their operations.



* 370 kg in Skid version (LFV-S) to 650 kg maximum with trailer (LFV-T)

TECHNICAL CHARACTERISTICS

	NOMINAL AIRFLOW	ESTIMATED AIRFLOW (OPEN AIR)	LENGTH	WIDTH	HEIGHT	HEIGHT ELEVATION OPTION	DRY WEIGHT	WEIGHT IN WORKING ORDER	ELEVATION OPTION
Skid Version	180.000 m³/h	350.000 m³/h	1800 mm	1500 mm	1850 mm	Option N°1 + 600 mm Option N°2 + 1200 mm	300 kg	370 kg	Option N°1 + 100 kg
Trailer Version*			3300 mm	1690 mm	2170 mm		500 kg	570 kg	Option N°2 + 130 kg

Trailer chassis approved to European standards – Ball coupling (adjustable drawbar and/or ring available as option).

*registration compulsory above 500 kg

	TYPE	POWER	CYLINDER CAPACITY	PETROL CONSUMPTION	OIL CONSUMPTION	COOLING	BACK-UP MANUAL STARTING
ENGINE	ROTAX straight two-cylinder with dual electronic ignition device	65 HP (48 kW) at 6000 rpm	581 cm³	28 l/hour at full speed	3% (0,84 litre per hour)	Water	Pull cord starter

	95 OCTANE LEAD-FREE PETROL	API TC+ OIL	COOLANT	TYPE ISO32 HYDRAULIC OIL
CAPACITIES	42L (1.5-hour runtime)	6.5L (10-hour runtime)	20 L	1 L (for elevation option)

ELECTRICAL EQUIPMENT: Quick-charge battery: 12 V / 15 Ah
Water resistant Control Panel (IP55)

STORAGE COMPARTMENT: 100 litres

COVER: Included for total protection of Easy 3000 during towing and storage (standard supply)

MISTING: Total flow: 225 l/min @ 7 bar

OPTIONS



- **PORTABLE BEACON**

For site illumination.



- **IN-LINE INDUCTOR**

Production of foam or water containing additives through the supply of an easily connectable 225 l/min (0.25-0.5-1-3 and 6 %) in-line inductor. The in-line inductor is equipped with a built-in rinsing system.

- **FLEXIBLE EXHAUST PIPE EXTENSION**

Length: 7.5 m - ø 80 mm

- **ELEVATING PLATFORM :**

- Travel 600 mm (option N°1) or 1200 mm (option N°2).
- With protective bellows for maximum operator safety.

- **ROTATION SYSTEM**

Easy 3000 Large Flow Ventilators



Advantages that make the difference:

PERFORMANCE

Optimal performance / manoeuvrability ratio
180 000 m³/h for 650 kg on trailer.

Built-in misting nozzles with a total flow of
225 l/min, allowing an additive to be added.

MANŒUVRABILITY

One or two operators can safely manoeuvre
Easy 3000

- Quick and easy fuel filling.

SAFETY

ROTAX engine: Aviation type.

- Back-up manual starter.
- "Twin-Spark" dual electronic ignition.

1-year guarantee

NEGATIVE PRESSURE VENTILATION FOR COVERED CAR PARKS

CarPark Fan is an ultra-light **portable Large Flow Ventilator (LFV-P)**. It has been designed to provide an appropriate and effective solution for smoke extraction in covered car parks.

Equipped with a misting system in its standard version, CarPark Fan offers effective gas dilution and smoke cooling and provides additional assistance for extinguishing.

Its **reduced weight of 72 kg** for 104 000m³/h gives it an **unrivalled performance / manoeuvrability ratio** in operation. One firefighter can easily set up an **effective ventilation system**, consisting of **1 or 2 CarPark Fans**, to fight a **fire in covered car parks**.

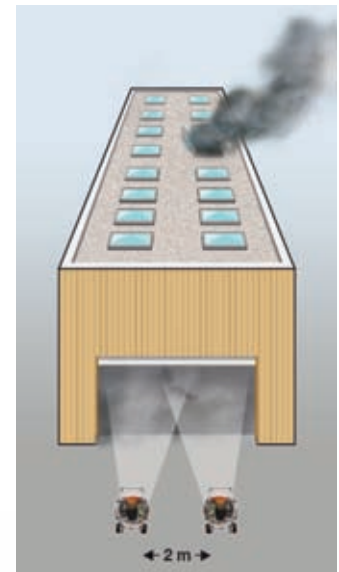
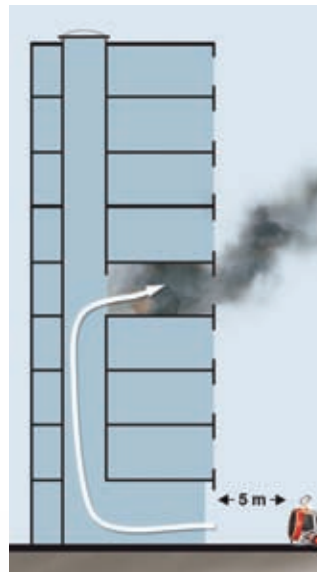


Fig 1 : 2 CarPark Fans in action

* Nominal air flow = 34 500 m³/h

POSITIVE PRESSURE VENTILATION FOR LARGE VOLUME AREAS

CarPark Fan, designed for ventilation and smoke extraction in car parks can naturally also be used in cases of **positive pressure ventilation (PPV)**. Positioned 4 to 5 metres from the entrance of the building to be ventilated (warehouse, high rise building, store, etc.), **CarPark Fan** still benefits from the air entrainment effect and has all Easy Pow'Air Technology advantages.



CARPARK FAN CHARACTERISTICS

FLOW OPEN AIR (nominal)	104 000 m³/h (34 500 m ³ /h)		POWER	17 kVA - 400V - 3ph
USABLE WITH	5 kVA = 65% of max flow	9 kVA = 80% of max flow	13 kVA = 90% of max flow	
TILT	-10 à +20°			
SOUND LEVEL	93 dBA at 7 metres			
DIMENSIONS	L: 710 mm x D: 670 mm x H: 720 mm		Weight: 72 kg	
PROTECTION	IP 65**: totally protected against dust and protected against water jets in all directions			
ELECTRICAL EQUIPMENT	Power Cable of 5 m*	Recommended extension cable: 4x6 mm ²	Beacon: Xenon bulb visible at 180°	Remote control: continuous 8 h autonomy range 30 m

* electrical plug not included

** Ingress Protection according to european standards

Portable CarPark Fans



Wireless
remote control
range 30 m

Lever for
fine tilt adjustment

12.8kW variable speed
drive motor
400V – 3ph – 50/60Hz
0-3200 rpm

Solid double walled
casing

Flexible antenna
for radio control

Automatic
optimal tilt

Easy attachment
of high expansion
foam adaptor

Puncture-proof,
large-diameter
wheels

Stabilising feet sized to minimize vibrations and ensure the fan stability

Safety cradle
around the assembly eases
attachment of air ducts

Advantages that make the difference:

PERFORMANCE

An unrivalled performance / manoeuvrability ratio = 104 000 m³/h for 72 kg.

The absence of a combustion engine enables use in very smoky environments.

MANŒUVRABILITY

An effective solution for ventilation of covered car parks which can be set up by a single operator.

SAFETY

The wireless remote control enables the user to control the ventilation without standing in the stream of smoke.

A flashing beacon allows the position of the fan to be seen when functioning.

Water spraying provided for engine cooling

2-year guarantee

CARPARK FANS CONFIGURATIONS

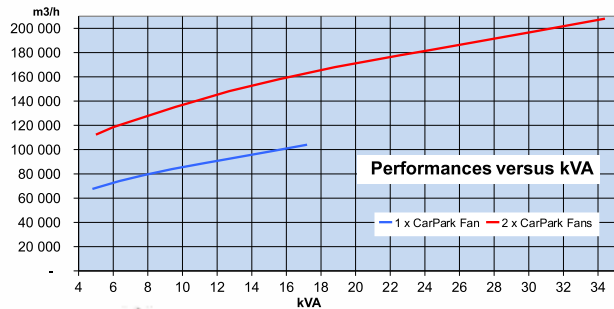
PORTABLE CONFIGURATION

CarPark Fan requires 17 kVA to operate at maximum capacity.

In order to offer a portable solution for rapid interventions, LEADER has selected and tested a **13 kVA compact generator** weighing **only 160 kg** and enabling two CarPark Fans to operate at 72 % of their max flow or one CarPark Fan at 90 %.

Main characteristics of this 13 kVA generator (Réf. E151.016) are:

- **compactness:** only 82 x 44 x 58 cm.
- **safety:** IP54 protected against splash water from all direction
- **reliability:** brushless technology for **20 000 hours** of service.



OPTIMUM CONFIGURATION FOR INTEGRATION ON VEHICLE



LEADER has selected and tested the **40 kVA generator** (Réf. E310.004) which will enable the 2 CarPark Fans to operate at 100 % of their performance while at the same time allowing the supply of additional devices (lighting, etc.).

LEADER

RESEARCH AND DEVELOPMENT

A creative but meticulous Design Department to develop the equipment you will need tomorrow.

- > A **multidisciplinary design office** to design and produce innovative equipment to meet the **needs of the profession.**
- > Design work conducted in **partnership** with **emergency services, industrial companies, universities** and **recognised research laboratories**
- > **Testing equipment** specifically adapted to the needs of product development and **performance validation:**
 - Water and high expansion foam test installation (400m²)
 - Ventilation test installation (400m²)



MANUFACTURE

- > **Specialised production workshops.**
- > A **continuous improvement** organization whose purpose is to guarantee customer satisfaction through **control of product conformity.**



AFTER-SALES SERVICE

- > A **permanent stock** of spare parts enabling to carry out **rapid repair work.**
- > A team to **advise** you on **setting up and using** your equipment.
- > A **telephone help line +33 (0)2.35.11.70.30**

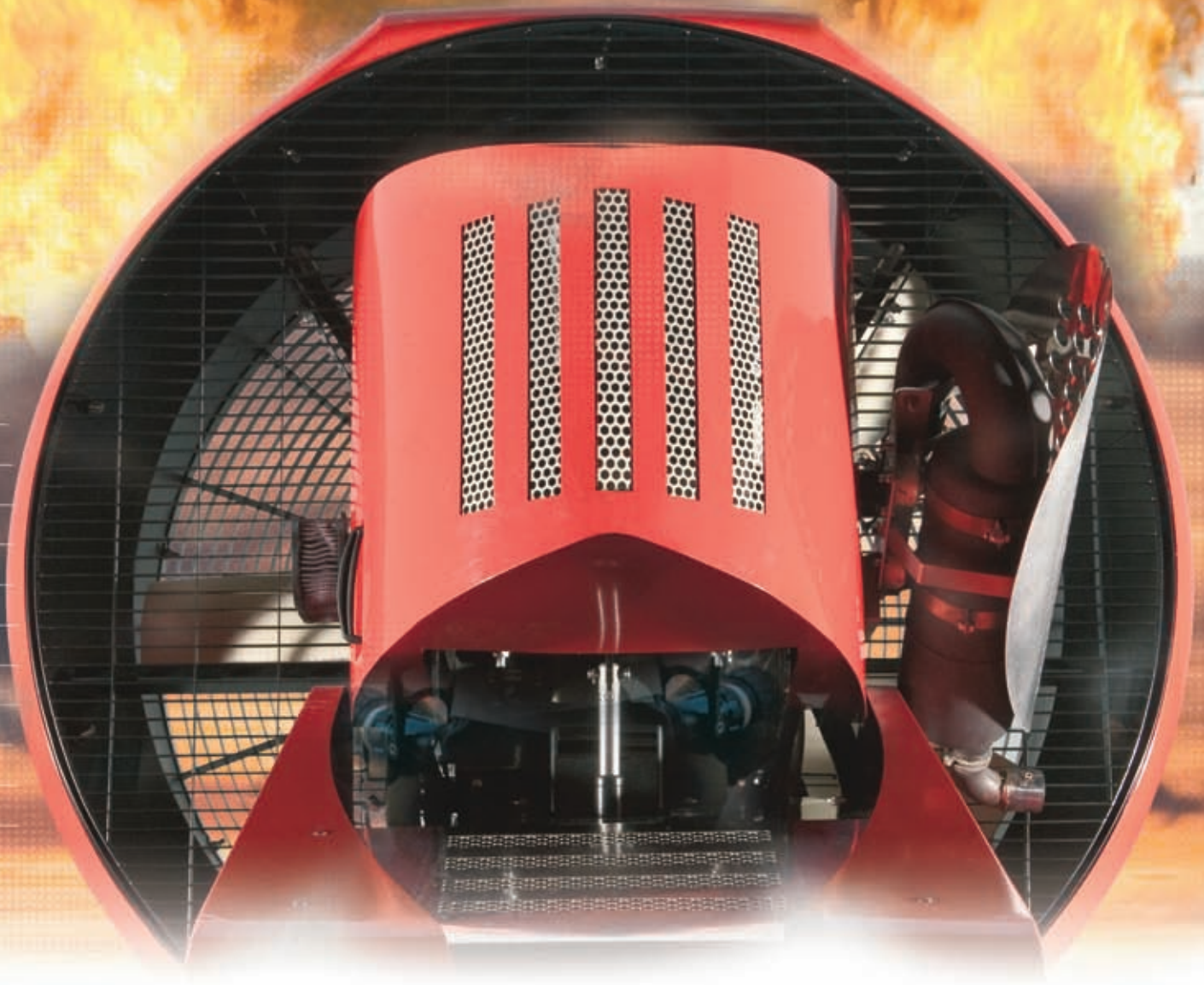


TRAINING

- > Can be **organised to suit your needs.** Our **training courses** enable you to maintain your equipment in a **safe state for use.**



LEADER
 Aujourd'hui les techniques du futur



always in touch with our clients
to design the **products you will need in the future**

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