



## 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

	AIRFLOW (OPEN AIR)	LENGTH	WIDTH	HEIGHT	HEIGHT ELEVATION OPTION	DRY WEIGHT	WEIGHT IN WORKING ORDER	ELEVATION OPTION
<b>Skid Version</b>	350.000 m <sup>3</sup> /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 Option N°2 + 130 kg
<b>Trailer Version*</b>		3300 mm	1690 mm	2170 mm		500 kg	570 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
<b>ENGINE</b>	ROTAX straight two-cylinder with dual electronic ignition device	65 HP (48 kW) at 6000 rpm	581 cm <sup>3</sup>	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
<b>CAPACITIES</b>	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.

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

### MANŒVRABILITY

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 000m<sup>3</sup>/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**.

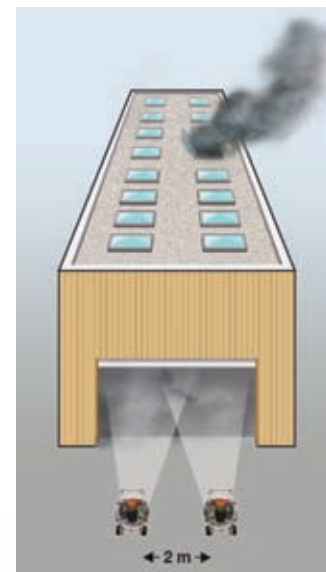
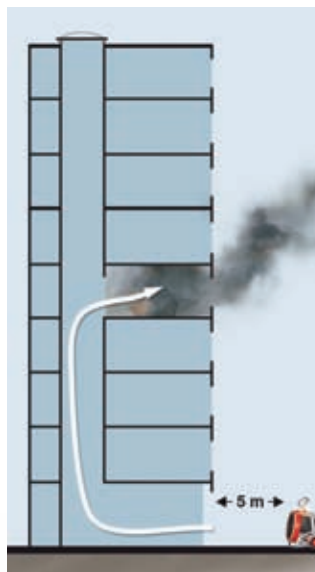


Fig 1 : 2 CarPark Fans in action

\* Nominal air flow = 34 500 m<sup>3</sup>/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

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

\* 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 m<sup>3</sup>/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

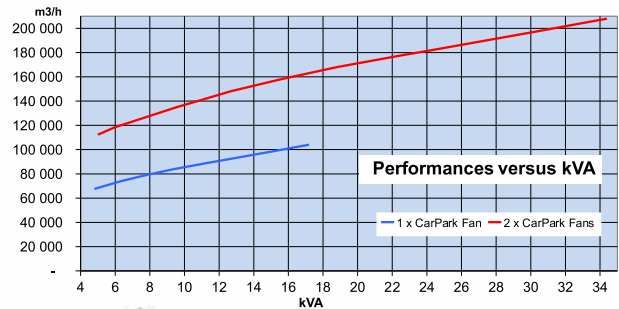
## PORTABLE CONFIGURATION

**CarPark Fan** requires 17 kVA to operate at maximum capacity.

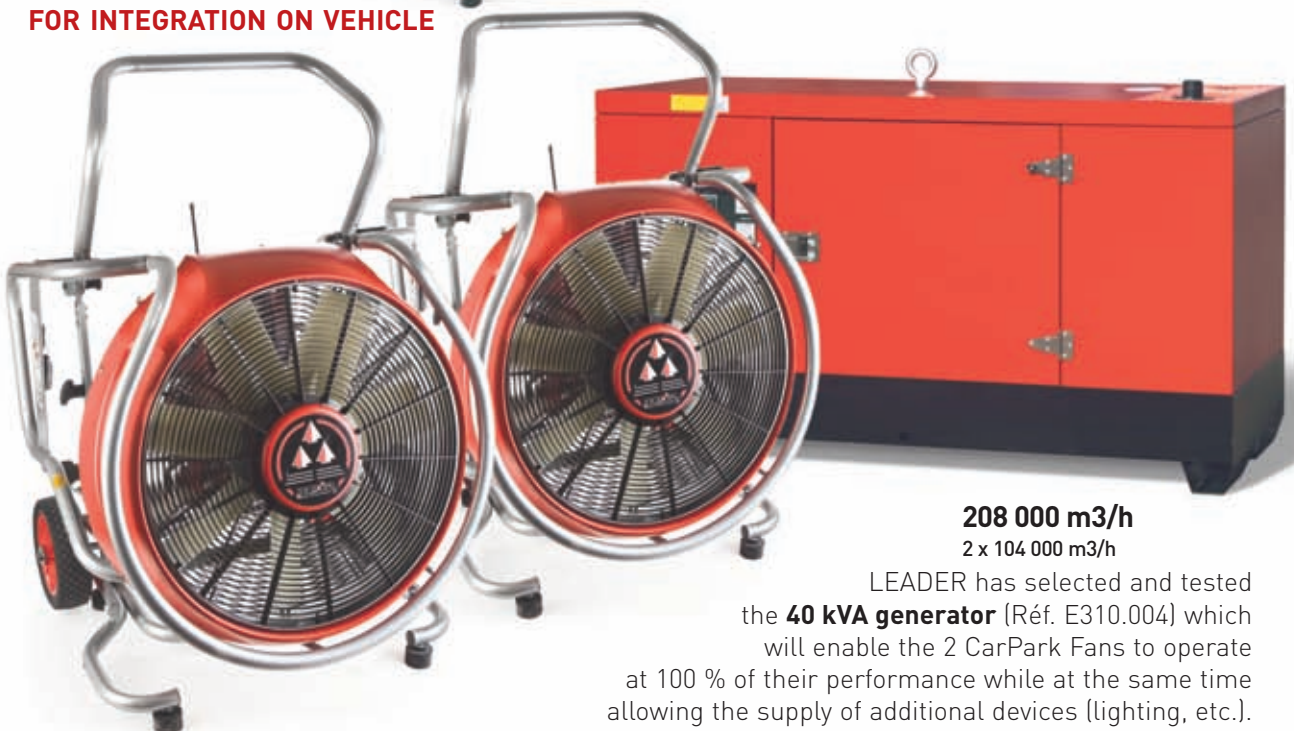
In order to offer a portable solution for rapid interventions, LEADER has selected and tested a **13 kVA compact generator** weighing **only 160 kg** and enabling two CarPark Fans to operate at 72 % of their max flow or one CarPark Fan at 90 %.

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 (400m<sup>2</sup>)
  - Ventilation test installation (400m<sup>2</sup>)



## 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**

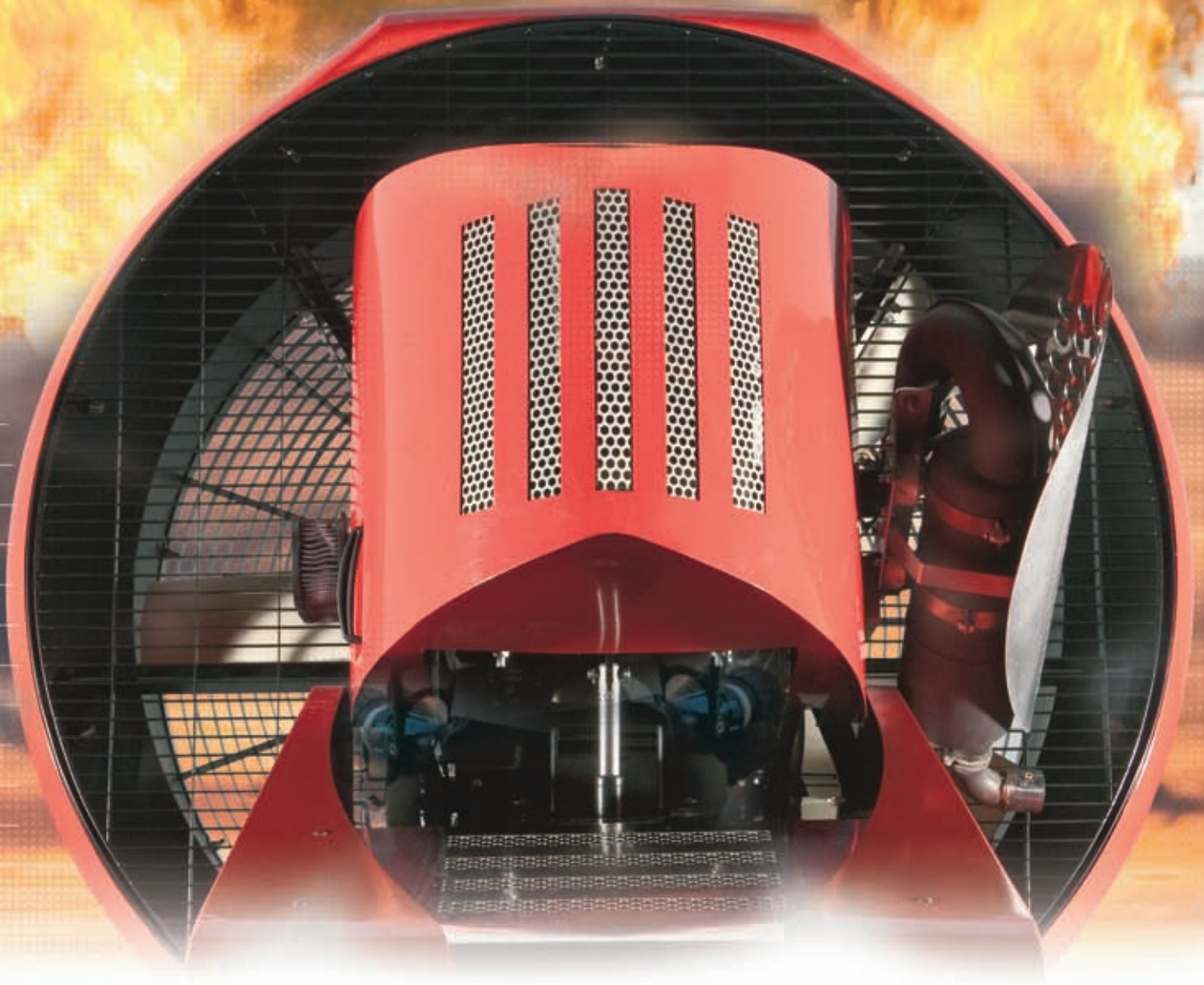


## TRAINING

- > 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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