

HIGH PERFORMANCE FANS PRODUCT OVERVIEW



HIGH
PERFORMANCE

MADE IN GERMANY

THE UNIVERSAL FAN FOR THE VENTILATION OF FIRE SCENES



High performance fans allow effective ventilation of burning buildings and sites of operation from smoke, heat and toxic gases. The conditions for the fire fighters are significantly improved. The attack group can orient itself faster inside the object and fight the fire more effectively.

**WE HAVE OVER 29 YEARS OF EXPERIENCE
IN THE VENTILATION OF FIRE SCENES!**

SAFETY AND SAVING HUMAN LIVES

Our high performance fans ensure immediately better visibility and lower temperatures inside the burning object. Rescue and fire fighting operations can be handled quicker and safer. Effective ventilation clears the area in front of the fire from smoke and heat, thus increasing the chance for survival for trapped persons. In an emergency, the security squad can approach significantly faster.



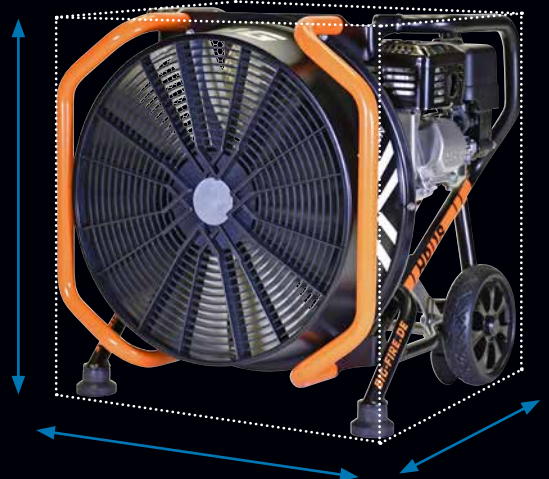
REGARDLESS OF THE TACTICAL APPROACH OR THE VENTILATION PHILOSOPHY, THE HIGH PERFORMANCE FANS HAVE BEEN DEVELOPED WITH THE GOAL OF MASTERING EVERY SITUATION IN THE BEST POSSIBLE WAY.

Our high performance fans are specially designed for the requirements of a fire brigade and have outstanding ergonomics. The improved air flow on the intake and the innovative vanes ensure optimized air flow and reduced power losses. The high-pressure concept enables optimum pressure build-up inside the building. The ventilation will be more effective and the fire fighting operation safer. Multi-family homes and more complex multi-storey buildings are no challenge for our high performance fans. The higher velocity allows the high performance fan to be placed at a greater distance up to 6 meters from the front door.

Due to the optional accessories, the areas of application of the powerful high performance fans are even more extensive.

VERY COMPACT AND EXTREME LIGHTWEIGHT

Low weight and compact dimensions have been the focus of our design team. Thanks to the innovative material mix, the HP18 is the lightest high performance fan in its class. Due to their compactness, our high performance fans also require little space in the appliance. Handling and loading of the fans are thereby considerably simplified. This means that there is no need for an expensive and heavy pull-out.



FANS FOR EVERY OPERATION

OPTIMIZED MODEL PROGRAM

The new high-performance fans are available in two sizes (HP18 and HP21). There are three different drives: internal combustion engine, electric motor with single speed and electric motor with variable speed. The newest addition to our model program is the smoke ejector SE18. It allows powerful extraction when positive pressure ventilation is not possible or is tactically sensible.

COMBUSTION ENGINE SELF-SUFFICIENT AND POWERFUL

High performance fans with combustion engine offer high air outputs, are quick to use and self-sufficient. There is no need for electric power or water supply to the fan. They have a significantly higher air output than battery driven fans and are inexpensive. Therefore, they are ideal as a first attack tool.

ELECTRIC MOTOR FLEXIBLE AND LOW-MAINTENANCE

Electric driven fans do not generate exhaust fumes, thus providing the possibility of using them inside buildings without problems. In addition, they can be operated in any position, even horizontally, for example, to be able to ventilate vertically via a lightwell.

With adjustable electric drive, the air output can be adapted to the specific requirements. At reduced speed, the running noise is decreased significantly, the fan is quieter up to 80%. Our frequency-controlled adjustable electric drives were specially developed for safe use with power generators.



EXCELLENT ERGONOMICS



The patented, flip-up handle allows easy, ergonomic transport for large and small fire fighters.



Largest possible tilt range for an ideal flow to the ventilation opening. Simple, quick alignment upwards and downwards using a user-friendly foot pedal.



Versatile, innovative grip options all around ensure simple unloading from the appliance and an easy handling.

EFFECTIVE VENTILATION

IMPRESSIVE POWER

The modified impeller design and optimized air flow allow for higher efficiency and better pressure build-up inside the building. The new high performance fans impress with their power and extreme effective ventilation during operations.

OUTSTANDING QUALITY

BIG high performance fans are developed and assembled at our factory premises in Southern Germany. Only high quality components and reliable engines from our experienced suppliers are used.



MADE IN GERMANY

HP18 BLACK EDITION



	HP18-H2	HP18-ES2	HP18-EV+
Type	HP18-H200-B1	HP18-ES2,2-B1	HP18-EV+2,2-B1
Drive / speed	combustion engine	electric / single	electric / variable *
Engine power	4,3 kW SAE J1349	2,2 kW	2,2 kW
Air output effective	approx. 59.000 m ³ /h	approx. 48.000 m ³ /h	approx. 48.000 m ³ /h
Engine / motor	Honda GX200	230V / 50Hz	230V / 50Hz
Tilt angle	+20° / -20°	+35° / -20°	+35° / -20°
Dimensions (w x h x d)	51 x 55 x 48 cm	51 x 55 x 48 cm	51 x 55 x 48 cm
Weight	30 kg	32 kg	28 kg

* optional with display.

HP18 BLUE EDITION



	HP18-H1	HP18-ES1
Type	HP18-H160-B1	HP18-ES1,5-B1
Drive / speed	combustion engine	electric / single
Engine power	3,6 kW SAE J1349	1,5 kW
Air output effective	approx. 49.000 m ³ /h	approx. 38.000 m ³ /h
Engine / motor	Honda GX160	230V / 50Hz
Tilt angle	+20° / -20°	+35° / -20°
Dimensions (w x h x d)	51 x 55 x 48 cm	51 x 55 x 48 cm
Weight	29 kg	28 kg

OPTIONS



WATER MIST SYSTEM

The special nozzles create a very fine water mist for cooling or binding gases and vapors. The water mist system fits all fans and is simply magnetically attached to the front grille. The flow rate is 60 l / min (at 7 bar / D-Storz) or alternatively 200 l / min (at 7 bar / C-Storz).



LED-LIGHT

The light package with modern LED technology ensures reliable illumination of the entrance opening at the scene of operation.

HP21 BLACK EDITION



	HP21-H3	HP21-EV4
Type	HP21-H270-B1	HP21-EV4,0-B1
Drive / speed	combustion engine	electric / variable *
Engine power	6,3 kW SAE J1349	4,0 kW
Air output effective	approx. 105.000 m ³ /h	approx. 83.000 m ³ /h
Engine / motor	Honda GX270	400V / 50Hz
Tilt angle	+20° / -18°	+32° / -18°
Dimensions (w x h x d)	62 x 65 x 55 cm	62 x 65 x 55 cm
Weight	45 kg	38 kg

* optional with remote control.

SE18 – SMOKE EJECTOR BLUE EDITION



	SE18-E0
Type	SE18-E0-B1
Drive / speed	electric / single
Engine power	0,75 kW
Air output effective	approx. 26.500 m ³ /h
Engine / motor	230V / 50Hz
Dimensions (w x h x d)	51 x 51 x 40 cm
Weight	19 kg



VENTILATION HOSES

Ventilation hoses for specifically directed airflow and extraction of cold smoke, contaminated air and gases are available in lengths of 5 m and 10 m as well as in different versions: antistatic (flame retardant), heat resistant up to 180° C (flame retardant) and standard (flame retardant).



FOAM GENERATOR SYSTEM

The foam generator system FlexiFoam is ideal for flooding or covering larger areas. Foam production takes place directly at the location of the fire. The inefficient transport of finished foam is eliminated. In addition, the FlexiFoam can also be used in areas filled with smoke. The system is not using the ambient air, fresh air for the foam generation is feeded through ventilation hoses by the fan. Smoke will not affect the foam quality.

EST. 1991

INNOVATION

MADE IN GERMANY

BIG has itself excelled by introducing innovative products for ventilation of fire scenes since 1991. The BIG Mobile Grand Ventilators are leading the ventilation of large structures for more than 20 years. Our know-how and our experience of 29 years in sales, development and manufacturing of high performance fans for the fire service results in a new generation of high performance fans Made in Germany. High performance combined with perfect ergonomics and quality have been the target for the new designed fan made by BIG.

B.S. Belüftungs-GmbH
89429 Bachhagel, Germany

+49 (0)9077 95776-0
info@big-fire.info

BIG-FIRE.DE