03 BATTERY-POWERED

INSTANTLY READY. COMPLETELY INDEPENDENT.

Battery-powered fans enable immediate and fully self-sufficient ventilation without the need to establish an external power supply — an important advantage during initial attack operations.

With the HP18 iB+, BIG redefined the battery-powered fan as the first fan featuring intelligent battery technology with integrated runtime display, setting entirely new standards. This concept has been consistently expanded with the larger and more powerful HP21 iB+.

The intelligent battery system continuously displays the remaining runtime and allows airflow performance to be adjusted precisely according to operational requirements. In most operational scenarios, neither battery replacement nor an external power supply is necessary. When connected to mains power, the system automatically switches to line operation.

The HP18 iB+ stands out through its low weight and simple handling. It offers a runtime of up to 90 minutes at full load and more than nine hours in partial-load operation.
Using the same battery platform, the HP21 iB+ delivers significantly greater performance for more demanding operational scenarios and is equipped with wheels and an extendable handle for easier transport.

Battery-powered fans are ideally suited for ventilating smaller areas and for supporting operations within complex building structures.


FANS
90 MINUTES FULL POWER!
THE NEW STANDARD FOR FIRE SERVICES.
BIG

IB+ SERIES BLACK EDITION

RUNTIME DISPLAY
FULL OPERATIONAL CONTROL

The integrated runtime display continuously shows how long the fan can operate at the current performance level with the available battery charge.

This provides maximum operational reliability and enables targeted use of the available battery capacity — for example by adjusting fan speed to extend operating time.

At the same time, operators can determine early whether an external power supply or battery replacement will be required — or whether the remaining energy is sufficient for the operation.

The result: no interruptions, no uncertainty, and full control throughout the mission.

HIGH BATTERY CAPACITY
MAXIMUM RUNTIME

The high-performance lithium-ion battery of the HP18 iB+ delivers up to 90 minutes of full-load operation and more than 9 hours at partial load. Thanks to its high capacity, the fan is often immediately ready for subsequent operations, as sufficient energy remains available — while smaller battery systems are mostly already fully discharged. If the remaining capacity is no longer sufficient, an external power supply can be connected at any time. Switching between battery and mains operation occurs automatically and without interruption in performance. Should a battery replacement become necessary, it can be completed within seconds.

INTELLIGENT TECHNOLOGY
ALL CRITICAL DATA IN VIEW

The integrated color display provides far more than just the remaining runtime. It shows the currently selected performance level, operating status, battery charge level, and fault messages. In addition, it displays the predicted runtime in battery operation — even while the fan is connected to mains power. These comprehensive functions are part of the intelligent battery management system, enabling improved operational planning and maximum control during deployment. The illuminated keypad ensures simple and reliable operation, even in low-light conditions.

EVERYTHING INCLUDED
NO COMPROMISES

With the iB+ series, all essential features come as standard: LED lighting, carrying strap, battery, and charger — without hidden extra costs. Optional vehicle and fast chargers are also available.

The separately available — or already existing — water mist system of the HP series can be connected magnetically within seconds: fast, simple, and completely tool-free. In addition, nearly all options available for the HP high-performance fan series can also be integrated, allowing the units to be adapted flexibly to a wide range of operational requirements.

	HP18 IB+	HP21 IB+
TYPE	HP18-iB+-B1	HP21-iB+-B1
AIR VOLUME EFFECTIVE	approx. 38.000 m³/h	approx. 50.000 m³/h
STANDARD	DIN 14963 certified	DIN 14963 pending
DRIVE	electric / battery	
BATTERY	Li-Ion	
RUNTIME	90 min – 9 hours	45 min – 9 hours
CHARGING TIME	approx. 270 min (100%)	
POWER SUPPLY	230 V / 50 Hz	
TILT ANGLE	0° – 180° / 15 positions	
PROTECTION CLASSES	IP66 (control a. motor) / IP67 (battery)	
DIMENSIONS (W X H X D)	51 x 52,5 x 28,5 cm	62 x 64 x 30 cm
WEIGHT	22,6 kg	31,7 kg

HIGH-PERFORMANCE BATTERY VS. TOOL BATTERY

Different battery concepts are used for battery-powered fans, each offering specific advantages and limitations. High-performance battery systems are designed for sustained high output and long runtimes. They deliver consistently high performance even under demanding operational conditions and provide additional functions through intelligent battery management, including remaining runtime display, charge level indication, and State of Health monitoring (remaining usable capacity as the battery ages). Thanks to their high capacity, these systems can often support multiple operations without recharging or battery replacement — an important advantage during time-critical and extended incidents. In contrast, conventional tool batteries are typically part of standardized battery platforms. Their main advantage lies in universal usability, allowing the same battery to be used across multiple devices. Due to their design, however, they generally offer lower capacity and shorter runtimes. Advanced functions such as comprehensive runtime prediction, operating status monitoring, or detailed battery health analysis are usually not available, making operational duration under load less predictable. In practical use, high-performance battery systems provide greater runtime reserves, more consistent performance, and increased operational reliability during demanding and extended deployments, while tool battery systems stand out through their flexibility and shared-platform approach.

HP18 IB+

HP18 MB
MILWAUKEE

COMPACT SIZE
MAXIMUM FLEXIBILITY

With the new battery-powered fan for Milwaukee 18V interchangeable batteries, BIG expands its portfolio with an especially compact and flexible solution. Weighing less than 20 kg, the unit is exceptionally easy to transport and can be positioned rapidly in operation. Its true 180° tilt capability provides maximum airflow alignment flexibility compared to many competing products. Combined with its robust construction and multiple ergonomic grip points, the result is exceptionally safe and user-friendly handling — even under demanding operational conditions. By utilizing the Milwaukee 18V battery platform, existing battery systems can continue to be used, providing additional flexibility and reducing investment costs. Optionally, the unit is available with or without a power supply unit, allowing operation both on battery power and mains power.

	HP18 MB
TYPE	HP18-MB-B1
AIR VOLUME EFFECTIVE	approx. 32.000 m³/h
STANDARD	DIN 14963 pending
DRIVE	electric / battery
BATTERY	Milwaukee M18
RUNTIME	34 min (2 x 8 Ah)
POWER SUPPLY	230 V / 50 Hz (optional)
TILT ANGLE	0° – 180° / 15 positions
PROTECTION CLASSES	IP66 (control a. motor)
DIMENSIONS (W X H X D)	51 x 52,5 x 28,5 cm
WEIGHT	19 kg