HK 85 EB-Plus

CIRCULAR SAW | TECHNICAL DATA SHEET

PRODUCT OVERVIEW

A 1,900 W portable circular saw for professional timber construction, carpentry and joinery. Supports rip cuts, crosscuts, bevel cuts and controlled plunge cuts. Article number: **576147**.

TECHNICAL SPECIFICATIONS

Power consumption	1,900 W
No-load speed	3,500 rpm
Saw blade diameter	230 mm
Blade supplied	HW 230 x 2.5 x 30 mm, W24
Cutting depth at 90°	0–86 mm
Cutting depth at 45°	62 mm
Cutting depth at 60°	47 mm
Bevel angle range	0–60°
Dust extraction connection	27/36 mm
Power cable length	4.30 m
Weight without accessories	7.90 kg

CORE FUNCTIONS

- High-torque motor with MMC power electronics and temperature monitoring.
- FastFix saw blade change system and quick-acting blade brake.
- Cutting depth adjustment with plunge function and pendulum guard remote control.
- Guide wedge supports stable cutting; compatible with FS and FSK guide rails.
- Optional groove cutter conversion kit for 16–25 mm grooves, up to 35 mm deep.

HK 85 EB-Plus | Applications & Safety

TYPICAL APPLICATIONS

- Rip and cross cuts in structural timber, boards and planks.
- Bevel cuts for timber framing and installation work.
- Guided, repeatable crosscuts with separately available FSK rails.
- Plunge cuts where suitable and permitted by the operating instructions.
- Groove cutting with the optional Festool conversion kit.

SCOPE OF DELIVERY — ARTICLE 576147

Circular saw	HK 85 EB-Plus
Saw blade	HW 230 x 2.5 x 30 W24
Fence	Parallel side fence PA-HK 85
Tool	Hex key, WAF 5
Storage	Systainer³ SYS3 M 437

NOISE AND VIBRATION — MANUFACTURER VALUES

Sound pressure level, LpA	92 dB(A)
Sound power level, LWA	103 dB(A)
Noise uncertainty, K	3 dB
Total vibration, wood sawing	< 2.5 m/s²
Vibration uncertainty, K	1.5 m/s²
Test standard	EN 62841 series

SAFE OPERATION

Read the official operating instructions before use. Wear suitable eye, hearing and respiratory protection. Secure the workpiece, select an appropriate blade, and connect suitable dust extraction. Disconnect power before blade changes or adjustments. Follow all Festool instructions for plunge cuts, kickback prevention and guide rail use.

SOURCE AND DOCUMENT STATUS

Source: Festool official HK 85 EB-Plus product information (article 576147), www.festool.com/products/saws/circular-saws/576147---hk-85-eb-plus. Values and supplied accessories are configuration-specific. This independently prepared summary is not an official Festool technical document.