SURFACE PLANERS

Surface Planer

Fimal PF 415 N

Surface planer for solid wood: 415 mm planing width, 2700 mm cast iron tables with 1560 mm infeed table, manual infeed table adjustment with a single lever and graduated scale, 3 kW motor.

MODEL PF 415 N

415 mm	2700 mm	5000 rpm	3 kW
PLANING WIDTH	CAST IRON TABLES	CUTTERBLOCK SPEED	MAIN MOTOR



/ Application & Use

The Fimal PF 415 N is a surface planer for solid wood, with a planing width of 415 mm and cast iron tables with a total length of 2700 mm; the infeed table is 1560 mm long.

The tables are adjusted by a parallelogram linkage, so the table lip stays at the same distance from the cutterblock and the tables stay parallel to it. The infeed table is adjusted manually with a single lever for movement and locking, and the setting is read on a graduated scale. Workpieces are fed manually. The surfacing fence is an anodised aluminium extrusion, tilting from 0° to 45° with a graduated scale and reference stops at 0° and 45°; it moves on a recirculating ball bushing and two wheels and locks quickly.

/ Key Features

- Planing width 415 mm; cast iron tables 2700 x 415 mm
- Infeed table 1560 mm, manual adjustment with scale
- Cutterblock Ø 120 mm, 4 knives, 5000 rpm
- Main motor 3 kW
- Fence 0–45°, scale and stops at 0° and 45°
- Manual workpiece feed

/ Standard Equipment (CE version)

- Table adjustment by parallelogram linkage; the table lip stays at the same distance from the cutterblock
- Infeed table adjusted manually with a single lever for movement and locking, graduated scale
- Anodised aluminium fence, tilting 0–45°, scale and reference stops at 0° and 45°; moves on a recirculating ball bushing and two wheels, with quick locking
- Magnetic gauge for setting the knives
- CE-compliant bridge-type cutterblock guard
- CE electrical system, electromagnetic brake and dust extraction hood

/ Machine Details



SURFACING FENCE AND BRIDGE-TYPE CUTTERBLOCK GUARD



MACHINE BASE AND PARALLELOGRAM-ADJUSTED SURFACING TABLES

/ Technical Data

Specification	PF 415 N
Model	**PF 415 N**
Planer type	**Surface planer**
Maximum planing width	**415 mm**
Surfacing tables: total length × width	**2700 x 415 mm; infeed table 1560 mm; cast iron**
Surfacing table adjustment	**parallelogram linkage, the table lip stays at the same distance from the cutterblock; infeed table adjusted manually with a single lever for movement and locking, graduated scale**
Surfacing fence: tilt / dimensions	**0–45°; anodised aluminium; graduated scale and reference stops at 0° and 45°; moves on a recirculating ball bushing and two wheels, with quick locking**
Cutterblock: diameter / knife number and type	**Ø 120 mm; 4 knives; magnetic knife-setting gauge**
Cutterblock speed	**5000 rpm**
Main motor power	**3 kW (higher-power motor optional: 4 / 5.5 / 7.5 kW)**
Motor brake	**electromagnetic brake (CE version)**
Dust extraction connections	**dust extraction hood (CE version)**
Noise emission	**82.4–88.4 dB(A) (LAeq, EN 27960)**
Dust emission — declared value	**1.56 mg/m³ (DIN 33893)**
Overall dimensions (L × W × H)	**2750 x 800 x 1180 mm**
Machine weight	**600 kg, net**

/ Options on Request

- Automatic infeed table positioning
- Pneumatic fence locking
- Auxiliary fence for narrow, low-profile workpieces
- Monobloc cutterblock with disposable reversible knives
- Higher-power motor: 4 / 5.5 / 7.5 kW
- SUVA-type cutterblock guard
- Motor overload protection
- Wescott chuck
- Mortising unit (50 kg): table 540 x 260 mm, strokes 180 / 210 / 230 mm (cross / longitudinal / vertical)

Data refer to the standard PF 415 N configuration, CE version. The supplied configuration and included options are defined in the quotation. Technical data may be updated without prior notice. Images are illustrative.

SUPPLIER

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