

Instruction Manual

Panel Rip and Crosscut Saw

TYP 690-B easy4mat



PANHANS

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BA-690-B-e4m-02-07-UK

1. Description

Panel, Rip and Crosscut Saw with tilting saw blade from 0 - 45°.

Cutting length max. 3200 mm for size cuts 3200 x 3200 mm.

Cutting width right-hand side of the blade: 0 - 1250 mm (1230 mm with Digit-PA).

Max. cutting height: 145 mm.

1.1 Design and function

The working surface of the table is 685 x 1200 mm.

The drive is done by a three-phase motor. Speed adjustment by displacing the belt. The speeds are electrically indicated.

The circular saw shaft (30 mm Ø) can take a saw blade of up to 450 mm Ø.

Vertical and tilting setting of the saw is done through a positioning control. The double alu sliding table of special aluminium profile is running on abrasion-proof guiding rails. The cross carriage is attached at the sliding table and supported through a strong telescopic arm.

The fence for cutting to length has got continuous scales and an adjustable stop. It is extensible up to 3200 mm and may be used on both sides of the cross carriage.

The parallel fence with quick clamping device can be adjusted to any measure up to 1250 mm.

Circular saw protecting device complete for cutting widths up to 1250 mm.

The main switch may be locked.

The motor brake as well as the star-delta switching are controlled through a contactor control.

1.2 Standard accessories

- * Saw motor 5,5 kW (7,5 HP)
- * Fence for cutting to length extensible up to 3200 mm
- * Table enlargement 825 x 335 mm
- * Table prolongation 825 x 335 mm
- * Circular saw fence complete - cutting width 1250 mm
- * Mitre fence extensible up to 2100 mm
- * Automatic motor brake
- * Circular saw protecting device fixed at the riving knife
- * Cross carriage with support
- * Vertical and tilting setting of the saw aggregate by positioning control
- * Quick clamping system of saw blade APA

- * Digital indication for vertical setting, tilting and speed
- * Push handle no. 2390
- * Riving knife 250 - 450 mm
- * Hexagon socket wrench SW 4
- * Pusher 1.17-10.2:1/S
- * Grease gun

1.3 Options

- * Saw motor 7,5 kW / 10 HP
- * 4 speeds with saw blade-Ø 450 mm, cutting height 145 mm, circular saw protecting device
- * Scoring saw aggregate 0,55 kW (0,75 HP) with Auto EPS (automatic electrical parking system)
- * Scoring saw setting system QuickStep
- * Additional support for large panels
- * Auxiliary mitre fence
- * Super-Gehrfix I
- * Super-Gehrfix II
- * Device for parallel cutting
- * Calibrating device
- * Working hour meter
- * Machine socket (heavy current or shock-proof plug)
- * Spraying device for cutting soft metals
- * Laser for marking the cutting line
- * Sliding table 2000 mm / 3200 mm or 3600 mm
- * Different special voltages
- * TELE-DIGIT (digital wireless display on cross fence)
- * Pressure beam
- * Swing away of the cross carriage
- * Swing away type of circular saw protective
- * Digital indication of absolute measure for circular saw fence "Digit PA"
- * Digital indication for circular saw fence "Digit PB"
- * Remote locking of sliding table
- * Overhead switch panel - pivoting

3. Machine data

Manufacturer

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Type plate

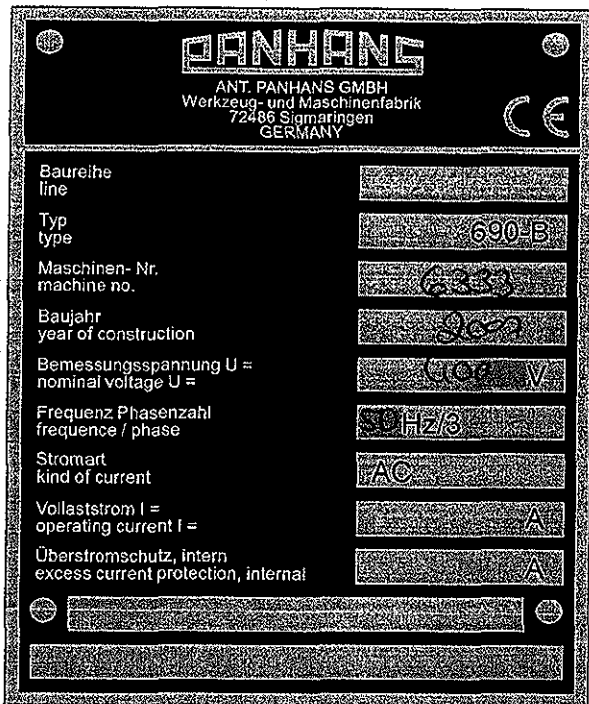


Fig. 1 Type plate

3.1 Technical data

Table size	685 x 1200 mm
Table height	860 mm
Main motor	5,5 kW
Seat of main saw blade Ø	30 mm
Maximum cutting height	75 / 145 mm
Maximum saw blade Ø	315 / 450 mm
Speeds	3000/4000/5000/6000 rpm.
Cutting length	3200 mm
Cutting width, right-hand side of blade	1250 mm
Dust suction hood Ø	120 / 80 mm
Net weight	1050 kg
Seaworthy packed	1180 kg
Space required for length 2800 mm	5600 x 5500 mm

Brake of the saw shaft:

Electronic brake (integrated in the main drive motor):
 max. 10 braking operations per hour

Emission values

Noise level:

The levels indicated are emission levels and are not necessarily being considered as levels for safe working.

Although there is a correlation between emission level and immission value, the requirement of additional precautions cannot be derived thereof.

Factors, influencing the actual immission level at the working place are the duration of exposure, the room characteristics, other noise sources, e.g. the number of machines and other adjacent working procedures. Furtheron, the immission level allowed may differ from country to country.

Nevertheless, this information helps the operator of the machine to improve the evaluation of dangers and risks.

Noise emission values:

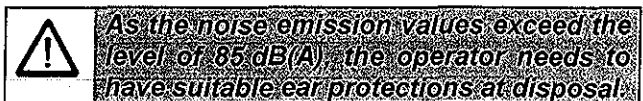
The indicated values have been obtained according to EN 1870-1.

Factor of uncertainty K = 4 dB(A).

Emission value related to the working station	
In idle run	86,1 dB(A)
In operation	85,4 dB(A)

Sound intensity level	
In idle run	95,5 dB(A)
In operation	98,0 dB(A)

The measurements were based on the operation conditions according to ISO 7960, annex A (with carbide tipped saw blade Ø 350 mm, 54 teeth, 4000 rpm, Soundstar)

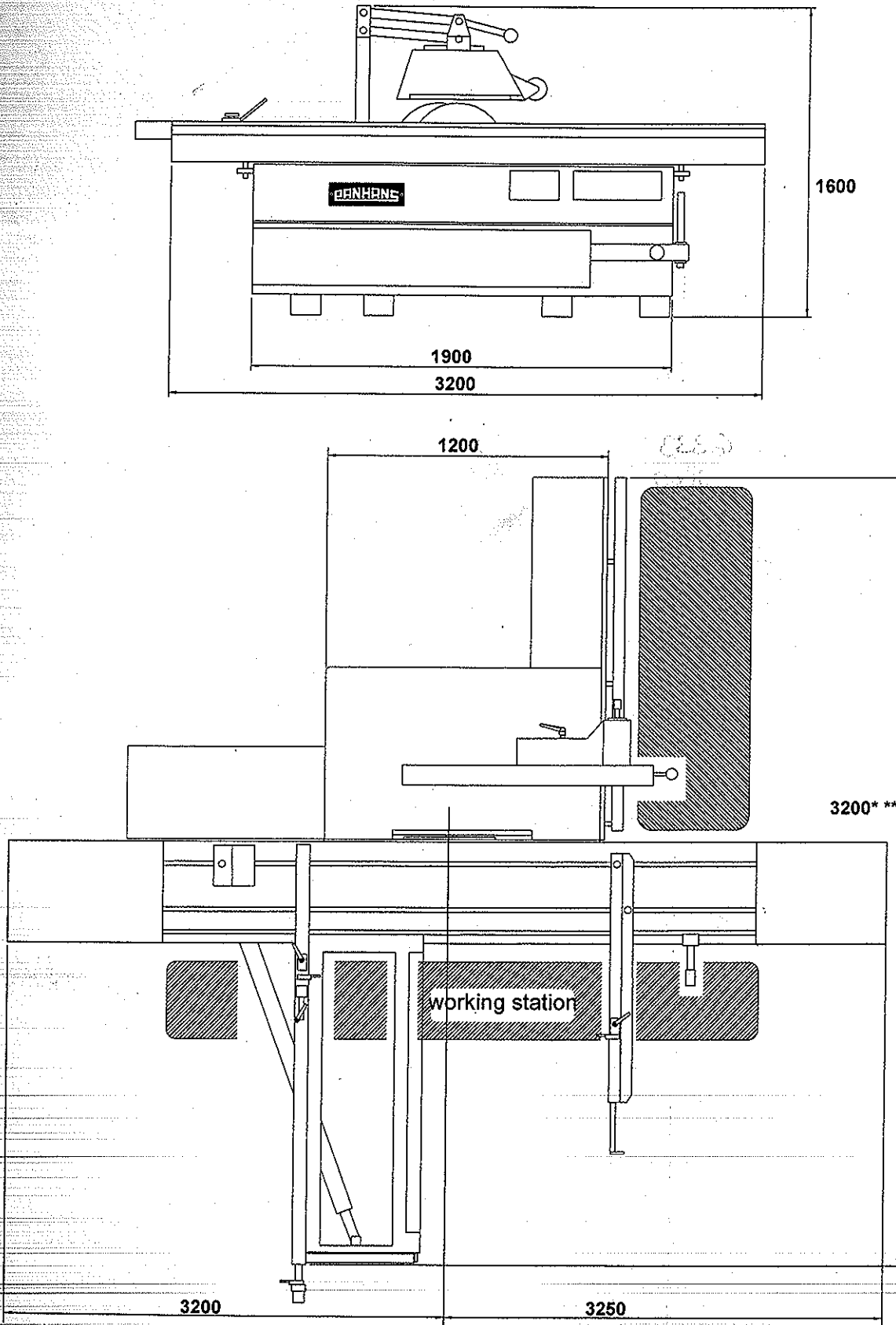


Dust emission value related to the working station:

obtained according to GS-HO-05

0,49 mg/m³ air (allowed: 2,0 mg/m³ air)

3.2 Dimension drawing (standard)



* for cutting width 1250 mm ** plus 1250 for extension TELE-DIGIT / plus 1450 for standard extension

Fig. 2 Dimension drawing

(subject to modifications of construction and dimensions)

12.1 Super-Gehrfix II

Der PANHANS-SUPER-GEHRFIX II makes angle cuts of 45° - 135° possible, in which the measure

adjusted on the fence for cutting to length does not change. For this a saw blade with a thickness of 3,2 mm must be used.

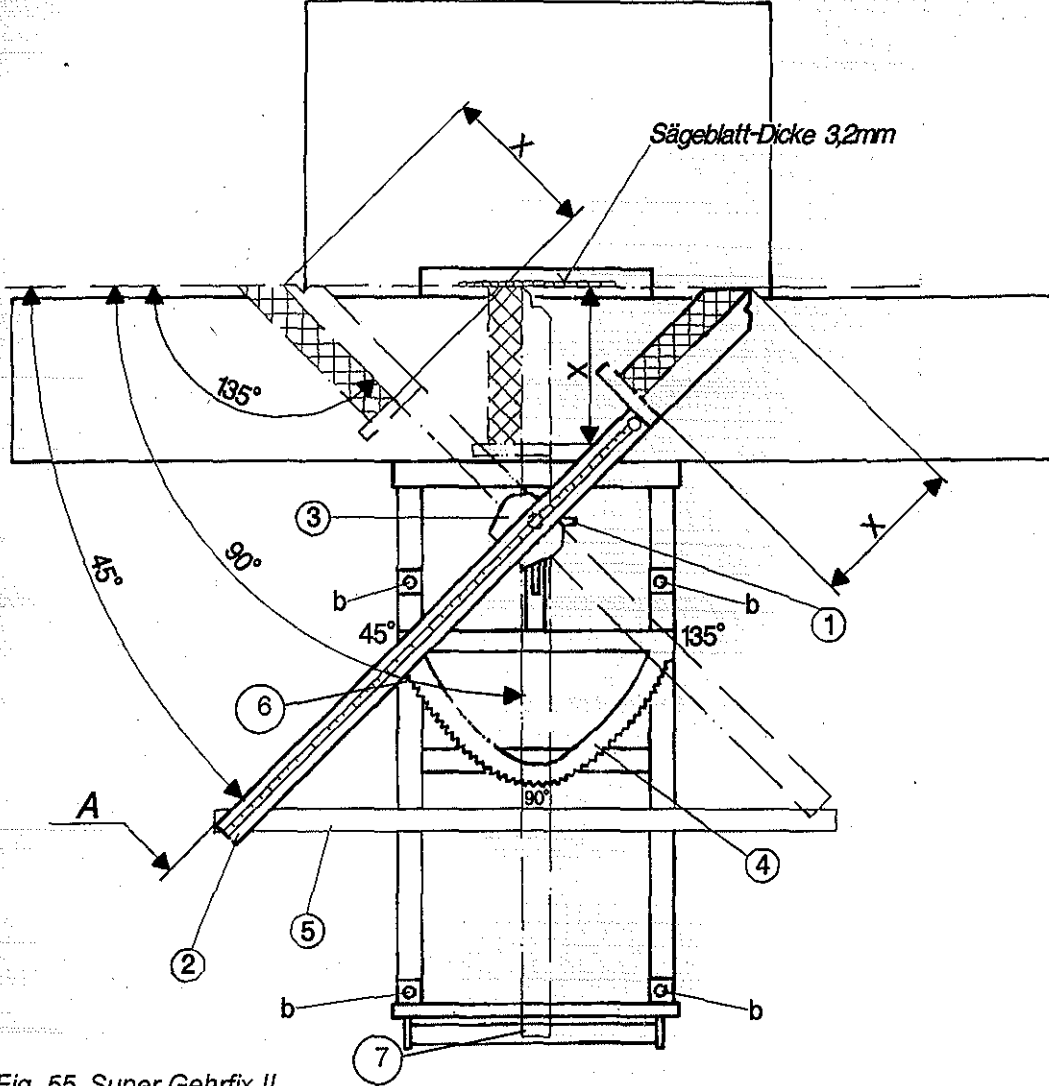



Fig. 55 Super Gehrfix II

12.1.1 Calibrating the Super-Gehrfix II

For calibrating the Super-Gehrfix II must be positioned on 90°. This is done with the help of the stop pin (7). To conclude the calibration procedure press the key  on the digital display. After the successful calibration process the display shows 0,00°

Positioning help for fence for cutting to length für den Längenanschlag

- Tighten clamping lever (1) and (6)

Adjusting an angular measure

- Loosen clamping lever (1) and (6)

- Turn the fence for cutting to length and adjust it to the desired angular measure
- Tighten clamping lever (1) and (6) again



When doing mitre cuts the fence for cutting to length (2) must always lie on the bearing rail (5).

For 90°-cuts the fence for cutting to length (2) can be used on 3 positions:

- Front or behind on the cross carriage
- Centered on the cross carriage with the help of the stop bolt for calibration (7)

for this loosen clamping lever (1) and (6), lift the fence for cutting to length (2) and put in the fixations b.