

3V

3-wheel bandsaw machine for industrial applications



Technical specifications

Wheel diameter:	600 mm (3 x)
Saw blade length:	min. 7680 mm / max. 7700 mm
Saw blade width:	10 - 35 mm (thickness = 0.6 mm)
Saw blade speed:	variable version: 370 - 2000 m/min fixed version: 1550 m/min
Cutting height:	max. 1000 mm
Cutting width:	max. 1450 mm
Table dimensions:	1940 x 1000 mm
Table height:	825 mm
Bandsaw blade guide:	APA 2 (top: size 2 bottom: size 1)
Laser cut position indicator (option):	laser class 1M
Motor power:	depending on version 4 kW (5.5 HP) or 3 kW (4 HP)
Motor brake:	variable speed: electronic fixed speed: mechanical
Protection class:	IP54
Spare requirement:	3500 x 3566 x 2700 mm
Net weight:	approx. 1000 kg
Required floor load capacity:	1500 kg/m ²
Voltage:	400 V / 50 Hz
Supply cable:	Cu, 5-wire (Cross-section must be determined on site by a qualified electrician!)
Connecting phases:	L1 L2 L3 N PE
Fuse protection:	4 kW: 20 A slow 3 kW: 16 A slow
Extraction:	4 x Ø 100 mm Required air volume = 1000 m ³ /h
Extraction power:	approx. 1450 m ³ /h at 20 m/s (dry chips)
Signal generator lines for extraction unit:	variable speed: terminal 03 + 04 on contactor -K2 (see circuit diagram) fixed speed: terminal 43 + 44 on contactor K1M (see circuit diagram)



- Caution: The regulations of the local EVU apply.
- Checking the impedance of the fault loop and the suitability of the overcurrent protection devices must be carried out at the installation site of the machine.
- The electrical connection may only be carried out by an authorised electrician.
- The circuit diagram can be found in the control cabinet.

Emission Values

Average acoustic power (k3A = 4dB):	79.7 dB(A) ¹
Average acoustic pressure at the workplace:	84.4 dB(A) ¹
Workplace-related dust emission value ^{2 3} :	0.74 mg/Nm ³

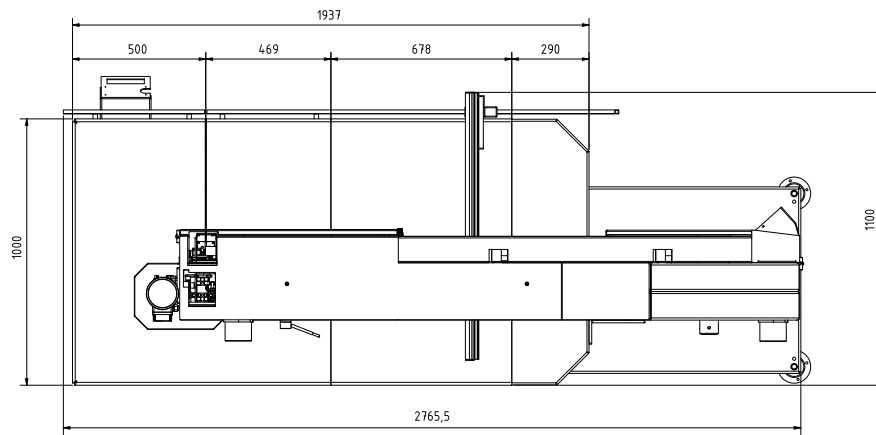


As soon as the workplace-related noise emission values of the machine exceed 85 dB(A), suitable hearing protection must be made available to the personnel!

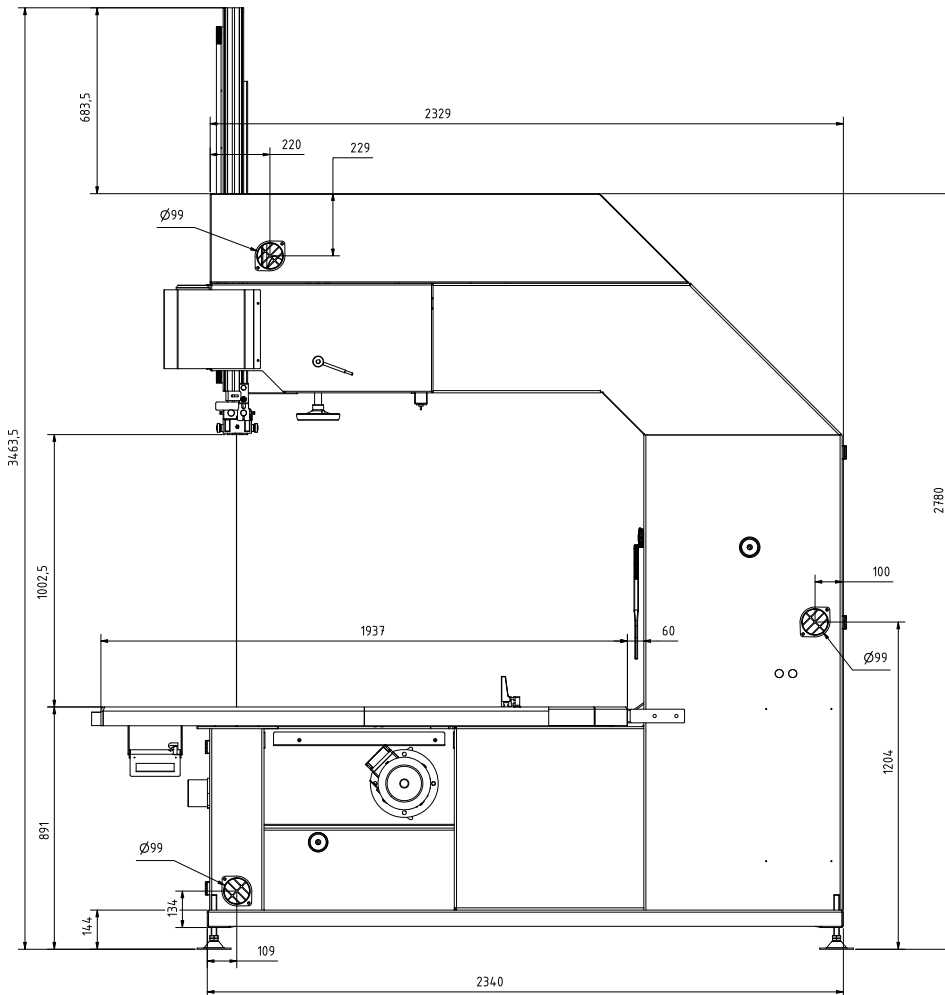
¹ according to ISO3746-ISO7960 / Appendix J | permissible: 2.0 mg/m³ air | ³ Dust emission values: determined acc. to GS-HO-05

Dimensions

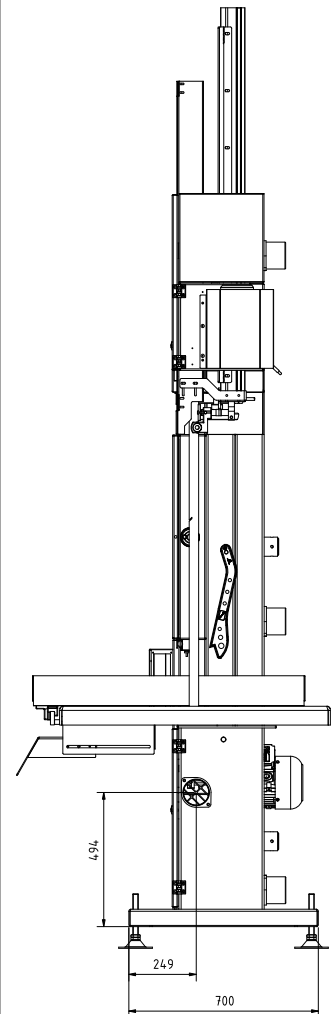
Top View:



Rear View:



Side View:



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