For the toughest construction load

Construction circular saws

Circular table saws

Stone cutting saws

Carpentry machines

Special machines







www.avola.de

Choose the Original
Choose Success!





AVOLA
seit 1836

AVOLA

Construction circular saw ZB-25 with fixed cutting height



Standard equipment:

- New safety bonnet -25 for maximum visibility with integrated push stick and suction nozzle
- Table extension
- Angle-adjustable cross and wedge cutting gauge
- Guide elements protected under the table guide elements
- Rip fence with 2 contact edges and measuring scale accurate to the millimetre
- High-quality, sound-damped carbide saw blade
- Hot-dip galvanised, torsion-resistant machine frame
- Powerful motor with magnetic brake
- 4 crane hooks
- SW 30 open-end spanner and counter-holder
- Cast iron switch for models ZB/ZBV 450 + 500

Engine

- Powerful motors with high safety reserves
- High-quality braking devices brake the saw blade in less than 10 seconds
- Thermal sensors (protectors) in the motor winding protect against overload

Switch

- Special motor protection switch combined with a CEE appliance plug protects against overload, in combination with thermocouples results in optimal motor protection
- Undervoltage release switches off in the event of a power failure and secures the machine machine against automatic start-up when the power returns
- Three-phase machines are equipped with phase inverters as standard


Cross cutting device for 90° – 45° cross cut


Cross cutting device with wedge cutting gauge


Cross cutting device for angle cut 90° – 45°

Technical data		ZB/W 400	ZB 400	ZB 450	ZB 500
Motor power P_1/P_2	kW	3.1/2.2	4.0/3.0	5.2/4.0	6.4/5.0
Three-phase current	Volt	–	400	400	400
Alternating current	Volt	230	–	–	–
Appliance plug		Schuko	CEE 516	CEE 532	CEE 532
Fuses, slow-blow	Amp.	16	16	20	25
Speed, idling	rpm	2971	2971	2972	2988
Blade Ø / bore	mm	400/30	400/30	450/30	500/30
Cutting height	mm	135	135	145	170
Table size L x B	mm	1110 x 750	1110 x 750	1110 x 750	1110 x 750
Table height	mm	850	850	850	850
Weight	kg	126	126	135	140
Saw blade HM/A SG L_{WA} idling	dB	86,8	86.8	90.8	92.3
L_{WA} Machining	dB	100.8	100.8	103.1	103.7

Choose the Original
Choose Success!

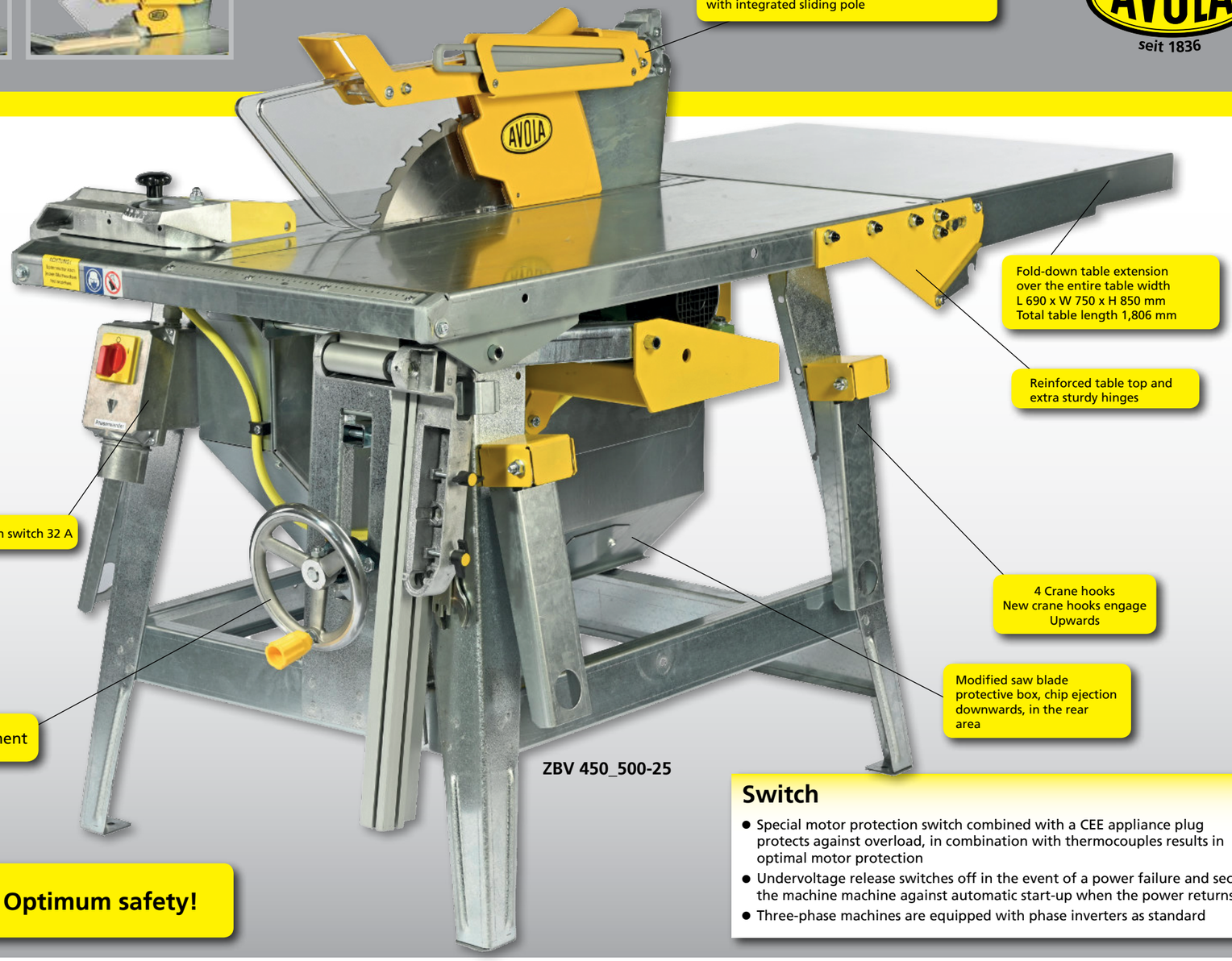




AVOLA
seit 1836

AVOLA

Construction circular saw ZBV-25 with adjustable cutting height



Standard equipment:

- Height adjustment
- New safety bonnet -25 for maximum visibility with integrated push stick and suction nozzle
- Table extension
- Angle-adjustable cross and wedge cutting gauge
- Guide elements protected under the table guide elements
- Rip fence with 2 contact edges and millimetre-precise measuring scale
- High-quality, sound-damped carbide saw blade
- Hot-dip galvanised, torsion-resistant machine frame
- Powerful motor with magnetic brake
- 4 crane hooks
- SW 30 open-end spanner and counter-holder
- Cast iron switch for models ZB/ZBV 450 + 500

Engine

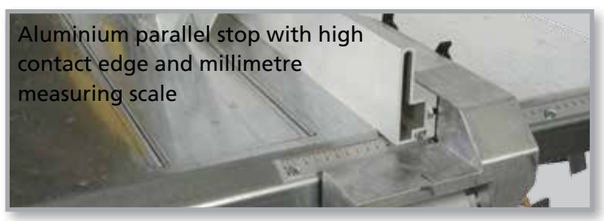
- Powerful motors with high safety reserves
- High-quality braking devices brake the saw blade in less than 10 seconds
- Thermal sensors (protectors) in the motor winding protect against overload

Optimum safety!

Switch

- Special motor protection switch combined with a CEE appliance plug protects against overload, in combination with thermocouples results in optimal motor protection
- Undervoltage release switches off in the event of a power failure and secures the machine machine against automatic start-up when the power returns
- Three-phase machines are equipped with phase inverters as standard

Aluminium parallel stop with high contact edge and millimetre measuring scale





New safety guard with maximum view of the cut and integrated push stick, optionally with laser



Optimum view of the cut, optionally with laser



Technical data		ZBV/W 400	ZBV 400	ZBV 450	ZBV 500
Motor power P_1/P_2	kW	3.1/2.2	4.0/3.0	5.2/4.0	6.4/5.0
Three-phase current	Volt	–	400	400	400
Alternating current	Volt	230	–	–	–
Appliance plug		Schuko	CEE 516	CEE 532	CEE 532
Fuses, slow-blow	Amp.	16	16	20	25
Speed, idling	rpm	2971	2971	2972	2988
Blade Ø / bore	mm	400/30	400/30	450/30	500/30
Cutting height	mm	0 - 135	0 - 135	0 - 145	0 - 170
Table size L x B	mm	1110 x 750	1110 x 750	1110 x 750	1110 x 750
Table height	mm	850	850	850	850
Weight	kg	156	156	170	175
Saw blade HM/A SG L_{WA} idling	dB	86,8	86,8	90.8	92.3
L_{WA} Machining	dB	100.8	100.8	103.1	103.7

Choose the Original
Choose Success!

AVOLA
seit 1836

AVOLA

Contruction circular saw IC 450-10 with fixed cutting height



Standard equipment:

- Safety bonnet and table extension
- Foldable cross fence, with guide elements protected under the table
- High-quality, sound-insulated carbide saw blade
- Hot-dip galvanised, torsion-resistant machine frame
- Powerful motor with magnetic brake
- 4 crane hooks
- Rip fence with two contact edges

AVOLA

Construction Circular saw TZH 350

with height adjustment and safety guard



Standard equipment

- Fold-down cross and longitudinal fence, with guide elements protected guide elements under the table
- Rip fence with 2 contact edges
- Table extension
- High-quality carbide saw blade
- Hot-dip galvanised, torsion-resistant machine frame
- Powerful motor
- Crane hook

AVOLA

Circular table saw TZV 315

with height adjustment and tilt adjustment 0 – 45°



Special accessories

- Travelling device
- Table extension
- Extraction device
- Chip extraction unit CF 4 (request separate brochure)

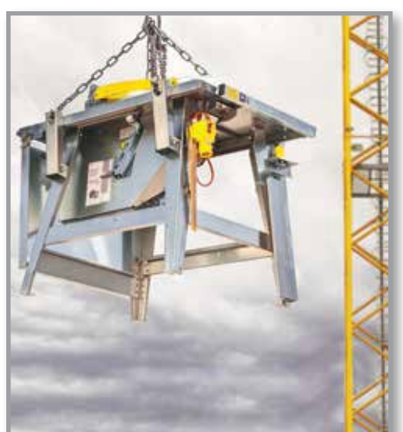






Technical data		IC 450
Motor power P_1/P_2	kW	4.2/3.2
Three-phase current	Volt	400
Alternating current	Volt	–
Appliance plug		CEE 516
Fuses, slow-blow	Amp.	16
Speed, idling	rpm	2760
Blade Ø / bore	mm	450/30
Cutting height	mm	153
Table size L x B	mm	1110 x 750
Table height	mm	850
Weight	kg	121
Saw blade HM/A SG L_{WA} idling	dB	90,8
L_{WA} Machining	dB	103.1

Technical data		TZH 350W	TZH 350	TZV 315W	TZV 315
Motor power P_1/P_2	kW	2.7/2.0	3.1/2.2	2.7/2.0	3.1/2.2
Three-phase current	Volt	–	400	–	400
Alternating current	Volt	230	–	230	–
Appliance plug		Schuko	CEE 516	Schuko	CEE 516
Fuses, slow-blow	Amp.	16	16	16	16
Speed, idling	rpm	2710	2800	2710	2800
Blade Ø / bore	mm	350/30	350/30	315/30	315/30
Cutting height 90°/45°	mm	0–105/–	0–105/–	0–90/ 0–72	0–90/ 0–72
Table size L x B	mm	956 x 575	956 x 575	956 x 575	956 x 575
Table height	mm	850	850	850	850
Weight	kg	83	83	77	77
L_{WA} idling	dB	91.0	91.0	90.4	90.4
L_{WA} Machining	dB	95.0	95.0	94.0	94.0



Choose the Original
Choose Success!

AVOLA
seit 1836

AVOLA

Construction site circular table saw ZBV 500-S

with height and bevel adjustment



Standard equipment:

- Height adjustment – adjust and clamping with one handle
- Inclined adjustment
- with upper and lower suction nozzle
- Safety bonnet and table extension
- Cross fence can be folded down, with guide elements protected under the table
- Rip fence with two contact edges
- High-quality, sound-damped carbide saw blade
- Hot-dip galvanised, torsion-resistant machine frame
- Powerful motor with magnetic brake
- 4 crane hooks

Technical data		ZBV 500-S
Motor power P_1/P_2	kW	6.4 / 5.0
Three-phase current	Volt	400
Alternating current	Volt	–
Appliance plug		CEE 532
Fuses, slow-blow	Amp.	25
Speed, idling	rpm	2988
Blade Ø / bore	mm	500/30
Cutting height 90°/45°	mm	0–170/0–120
Angular adjustment	°	90–45
Table size L x B	mm	1223 x 850
Table height	mm	850
Weight	kg	210
Saw blade HM/A SG L_{WA} idling	dB	83.0
L_{WA} Machining	dB	95.0





AVOLA

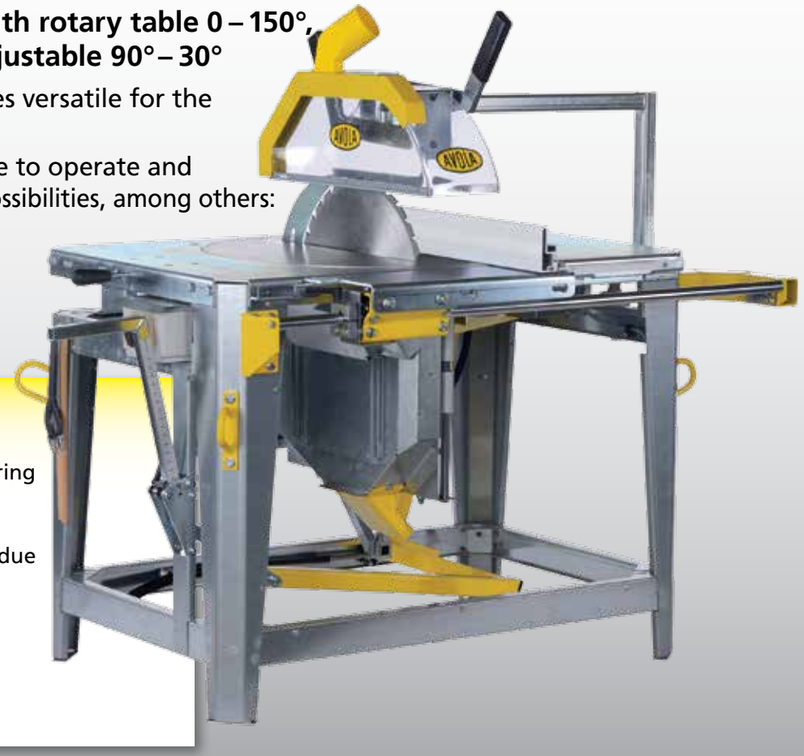
Circular table saw VARIANT 450

Under-table cross-cut saw with rotary table 0 – 150°, height-adjustable and tilt-adjustable 90° – 30°

A special construction guarantees versatile for the toughest applications.

The machine is ingeniously simple to operate and offers the following application possibilities, among others:

- Chop and mitre cutse
- Double mitre cuts (mitre cuts)
- Longitudinal cuts

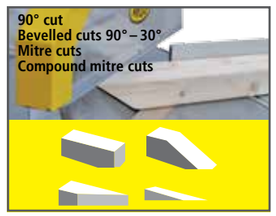


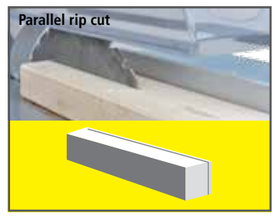
Advantages of the VARIANT 450

- High cutting height when chamfering in the longitudinal direction
- Maximum safety for the user user
- Extremely high cost-effectiveness due to versatile applications
- Robust construction
- Fold-down table extension
- Automatic phase monitor
- Immediately ready for use
- 4 crane hooks

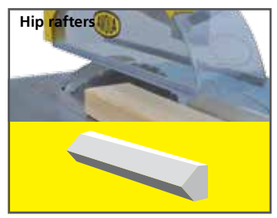
7 cuts – variable, reliable, high quality – simply AVOLA!

Technical data	unit	Variant 450
Motor power P1/P2	KW	4.2/3.2
Three-phase current	rpm	2710
Ø saw blade	mm	450
Cutting height 90°/45°/30°	mm	150/106/75
Turntable	°	0-150
Inclined adjustment	°	90-30
Cutting width	mm	930
Table size L X B	mm	1150x750
Table height	mm	850
Weight	kg	225
Saw blade HM/A SG / L_{WA} idling	dB	90.8
L_{WA} Machining	dB	103.1









Choose the Original
Choose Success!

AVOLA
seit 1836

AVOLA

Circular saw blade HM/A/PH for cutting polystyrene and wood

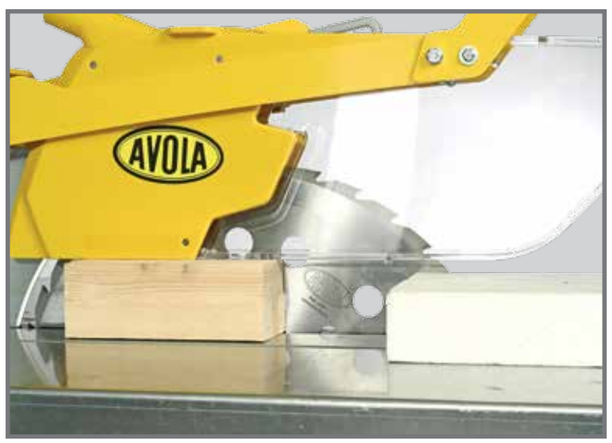


Special advantage of our patented development:

- One saw blade for two materials, therefore more safety and occupational safety
- For polystyrene (Styrodur and Styrofoam) and wood
- No jamming and sticking, because the newly developed openings in the master blade ensure sufficient air cooling
- Faster, more effective and environmentally friendly work



Technical data	Ø in mm	Dimensions	Teeth	Item no.
Saw blade HM/A/PH	400	3.8 / 2.5 x 30	28	05270
Saw blade HM/A/PH	450	4.0 / 2.8 x 30	32	05271
Saw blade HM/A/PH	500	4.0 / 3.0 x 30	36	05272



AVOLA

St⚙p-switch



To prevent tampering with the circular saw (the lowering mechanism of the safety guard is often is often overridden) the machine can only be switched on can only be switched on with the aid of a sensor, when the safety guard is closed (see red area at the end of the bonnet). Due to the design, around 25,000 active machines can be retrofitted with this safety device can be retrofitted with this safety device, which up to 500 accidents per year could be avoided.

The **St⚙p-switch**, which won the last EUROTESTPREIS is subsidised by the BG Bau is subsidising it with EUR 150.00. The aim of the of the promotion is a prompt and measurable reduction in cutting injuries in connection with circular saws.





Stone cutting saw SBT 600

for dry cutting with integrated dust extraction

The new SBT 600 stone cutting saw has a stable frame profile with a generously dimensioned machine table. The integrated dust extractor has two filter stages with automatic shaker. The cutting disc is driven by a powerful 5.5 kW motor via V-belts. The ergonomic lever with integrated control buttons and emergency stop switch ensures a high safety. For more information please request our separate brochure.

Also available with 400 and 500 sheet



AVOLA

Special equipment for construction circular saws

Bevel gauge



Travelling device



Compact filter CF 4
for indoor use



Table extension



Roller trestle



Chip box



Ask for our special documents!

Compact filter CF 6
for the outdoor construction site



AVOLA MASCHINENFABRIK
A. Volkenborn GmbH & Co. KG
Heiskampstraße 11
D-45527 Hattingen
Telefon +49 / 23 24 - 96 36-0
Telefax +49 / 23 24 - 96 36-50
E-mail info@avola.de

www.avola.de