AVOLA

Circular Building Site Saws ZB/ZBV/IC -10

Economical – Versatile – Strong – Accurate

"We protect your hands!"
Much more safety with new standard EN 1870-1

175 years

AVOLA

Circular Saws

Highest Quality and Safety

AVOLA Circular Building Site Saws ZB / ZBV / IC 450 -10

- **For professional application**
- **Cutting wood and similar materials**
- **Equipped with new safety hood with self-opening / closing funtion**
- **Highest safety in order to avoid accidents**

AVOLA MASCHINENFABRIK

AVOLA Circular Building Saw IC 450 -10

Economical – Versatile – Strong – Accurate

Standard equipment:

- Safety hood – Table extension
- Cross cutting device, hinged
- high quality TCT sawblade, noise reduced
- machine frame fully galvanized
- powerful motors with extensive reserves of safety, with magnetic brake
- 4 lifting eyes – for lifting machine
- Parallel stop, measuring device

Special equipment:

- Table extension
- Angle cutting device
- Roller trestle
- Transport wheels for easy manoeuvrability
- Safety hood SSH and SSH B 90 available as conversion kit

AVOLA

Technical specification ZB / ZBV / IC -10

Type		ZB/W 400	ZB 400	ZB 450	ZB 500	ZBV/W 400	ZBV 400	ZBV 450	ZBV 500	IC 450
Motor power output P_1/P_2*	kW	3,1/2,2	4,0/3,0	5,2/4,0	6,4/5,0	3,1/2,0	4,0/3,0	5,2/4,0	6,4/5,0	4,2/3,2
Three – phase current	Volt	–	400	400	400	–	400	400	400	400
AC current	Volt	230	–	–	–	230	–	–	–	–
Equipment plug		shock proved plug	CEE 516	CEE 532	CEE 532	Schuko	CEE 516	CEE 532	CEE 532	CEE 516
Fuses, time lag	Amp.	16	16	20	25	16	16	20	25	16
Speed	rpm	2971	2971	2972	2988	2971	2971	2972	2988	2760
Sawblade dia. / bore hole	mm	400/30	400/30	450/30	500/30	400/30	400/30	450/30	500/30	450/30
Cutting height	mm	135	135	145	170	0 - 135	0 - 135	0 - 145	0 - 170	153
Table size L x W	mm	1110 x 750	1110 x 750	1110 x 750	1110 x 750	1110 x 750	1110 x 750	1110 x 750	1110 x 750	1110 x 750
Table height	mm	850	850	850	850	850	850	850	850	850
Weight	kg	126	126	135	140	156	156	170	175	121
Sawblade HM/A SG** L_{pA} run at no load	dB	77,3	77,3	79,5	83,0	77,3	77,3	79,5	83,0	79,5
L_{pA} run at load	dB	90,6	90,6	93,0	95,0	90,6	90,6	93,0	95,0	93,0

A reduction of 10 dB sound pressure as felt by the operator is equivalent to halving of the volume!
**AVOLA circular building site saws are all equipped with sound absorbing TCT sawblades and in addition the noise is further reduced 3 fold by the use of the safety hood.

* = Power required against VDE 0530; S6 - 40%
P_1 = Input power / P_2 = power output

CE

The complete range of AVOLA machines:

AVOLA building site saws, special machines and corresponding filter units
AVOLA circular saw bench machines
AVOLA circular sawblades
AVOLA brick and stone cutting machines for refractory industry
AVOLASTIC-Sic-cutting discs
DIAVOLA corresponding filter units for brick and stone cutting machines

Ask for our special information

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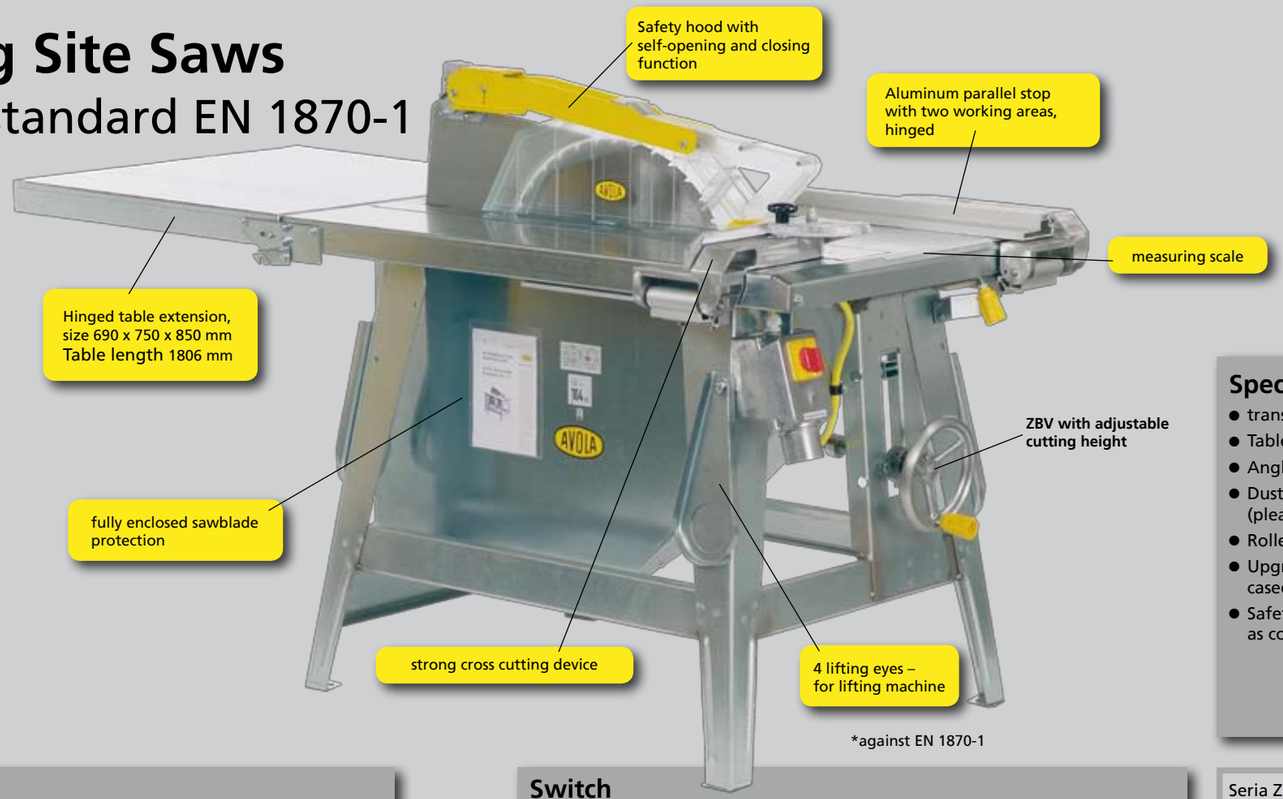
Choose the Original
Choose Success!

AVOLA Building Site Saws
comply with new standard EN 1870-1

All new features will guarantee highest safety



*against EN 1870-1

Standard equipment:
- safety hood – table extension
- adjustable angle cutting device
- undertable guideway, securely protected
- parallel stop with measuring scale
- high quality TCT sawblade, noise reduced
- machine frame completely galvanized, torsion-resistant
- powerful motors with extensive reserves of safety, with magnetic brake
- 4 lifting eyes – for lifting machine
- cast iron cased isolating switch for series ZB/ZBV 450/500 -10

Special equipment:
- transport wheels for easy manoeuvrability
- Table extension
- Angle cutting device
- Dust extractor CF 4 (please ask for special brochure)
- Roller trestle
- Upgrading to series ZB/ZBV 400 with cast iron cased switch CEE 532 / 400 V optional
- Safety hood SSH and SSH B 90 available as conversion kit

ZB with fixed cutting height, hinged parallel stop
Hinged Table extension
Table length 1806 mm

Motor
- powerful motors with high safety factors
- high quality braking systems stop the sawblade running in less than 10 seconds
- thermal heat detectors fitted inside the motor to protect against overloading

Switch
- Special motor protection switches combined with CEE equipment plugs protect against overloading and electrical faults from the power supply network.
- In the event of a main voltage failure the ‚0' – volt isolation switch will turn off and will protect the machine from restarting again after the power has been restored.
- Standard three – phase motors with phase inverters for trouble free setting of the direction of rotation

Seria ZBV with adjustable cutting height and transport wheels

Cross cutting device

The self-opening and closing function of the safety hood leads to a significant reduction in the risk of accidents.

Angle cutting device

Aluminium parallel stop fence for high profiles

Aluminium parallel stop fence for flat profiles

Cross cutting – wedge cutting device

Dust extractor CF 4

Roller trestle

Table extension