



Atlas Copco

SPEEDCUT

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Diamond wire cutting machine for marble, granite, sandstone and limestone in the dimension stone industry.

Wire speed: 0 – 45 m/s (0 – 148 ft/s)

Atlas Copco

THE FASTEST CUTTING MACHINE

SPEEDCUT, THE FASTEST DIAMOND WIRE CUTTING MACHINE ON THE MARKET, IS ONE OF ATLAS COPCO'S HIGH PRODUCTIVITY PRODUCTS FOR THE DIMENSION STONE INDUSTRY.

As the fastest machine of its kind, SpeedCut enables you to cut at speeds up to 45 m²/h. A unique, patented wire tensioning system makes it possible to

combine high cutting speed with low wire consumption by utilizing loading cells technique.



+ MAIN BENEFITS

- High cutting speed
- Low wire consumption
- Full control of the cutting process
- Biggest cutting capacity on the market

MAXIMUM PERFORMANCE WITH THE BIGGEST CUTTING CAPACITY

SPEEDCUT HAS A UNIQUE WIRE TENSIONING SYSTEM THAT MAKES IT POSSIBLE TO COMBINE THE HIGH CUTTING SPEED WITH LOW WIRE CONSUMPTION. THIS PATENTED SYSTEM ENABLES THE MACHINE TO PLACE CONSTANT TENSION ON THE WIRE.



+ SPEED UP YOUR PRODUCTIVITY

The wire tensioning system places this constant tension, without considering or being confused by external factors like larger flow of water, fall in electric tension or non-homogenous materials. In addition, a well-blended consumption of wire favors long duration and automatic operations, from the beginning to the end of the cut. The PMI (Panel Machine Interface) and the connection cable are both easy to handle; this allows control from a wider distance, giving increased safety for the operator.



+ CUTS A PERFECTLY SMOOTH FACE

SpeedCut creates a perfectly smooth face of the block. It is capable of cutting both vertical and horizontal and close to ground level so that you get an even bottom. Furthermore, SpeedCut's main flywheel can be rotated 320°. It can make parallel cuts with a maximum distance of two meters without repositioning, thanks to the rotation of the main flywheel.



+ BIGGEST CUTTING CAPACITY

Maximum performance is ensured with full documentation and control of the cutting parameters and cutting processes. Working parameters such as cutting time duration, performance of the wire and error code lists can be easily downloaded to your computer with a USB key, helping you manage your future work process effectively. With SpeedCut you gain the biggest cutting capacity available on the market.

ATLAS COPCO SERVICE

Even the best equipment requires regular service to ensure optimal performance. Atlas Copco provides service solutions to safeguard an optimized relationship between productivity, availability and operational cost. Atlas Copco Mining and Rock Excavation Technique has over 3 300 technicians located in over 80 countries. By combining the usage of Atlas Copco genuine parts with service provided by a certified Atlas Copco technician, you'll have a winning combination no matter of where in the world you operate.



TECHNICAL SPECIFICATIONS

MAIN COMPONENTS

- Two versions 75 –100 HP
- Eight poles electric motors
- PLC control system
- PMI wire remote control

DSI APPLICATION

Marble
Granite
Sandstone
Limestone

SUITABLE CUTTING STAGES

Primary bench cutting
Horizontal cutting
Secondary cutting

MOTOR

	Metric	Imperial
Main Electrical Motor		
8 poles	55 kW	75 HP
8 poles	75 kW	100 HP

PLC CONTROL SYSTEM

Tensioning system in electronic way through a loading cell grants a constant tension of the wire

INVERTER

	Metric	Imperial
Diamond wire speed, variable	0–45 m/s	0–148 ft/s
Inverter main motor	Omron (YASKAWA)	
Inverter backing motor	Omron (YASKAWA)	
Filtered and forced air ventilation		

PMI WIRE REMOTE CONTROL

- It allows:
 - The direction of commands from the operator
 - A constant auto - diagnostics of the machine in order to find signal dysfunctions immediately
 - Recording data and time of possible manumissions
 - Download all the info on a USB key
 - Management and memorization of all the working parameters:
 - Time
 - Length of cutting
 - Performances of the wire etc

FLYWHEEL

	Metric	Imperial
Main Flywheel diameter	1 000 mm	3' 3 3/8"
Flywheel guide diameter	425 mm	1' 4 3/4"
Rotation main flywheel	320°	
Flywheel with a new system of rubber keeping		

ENVIRONMENT

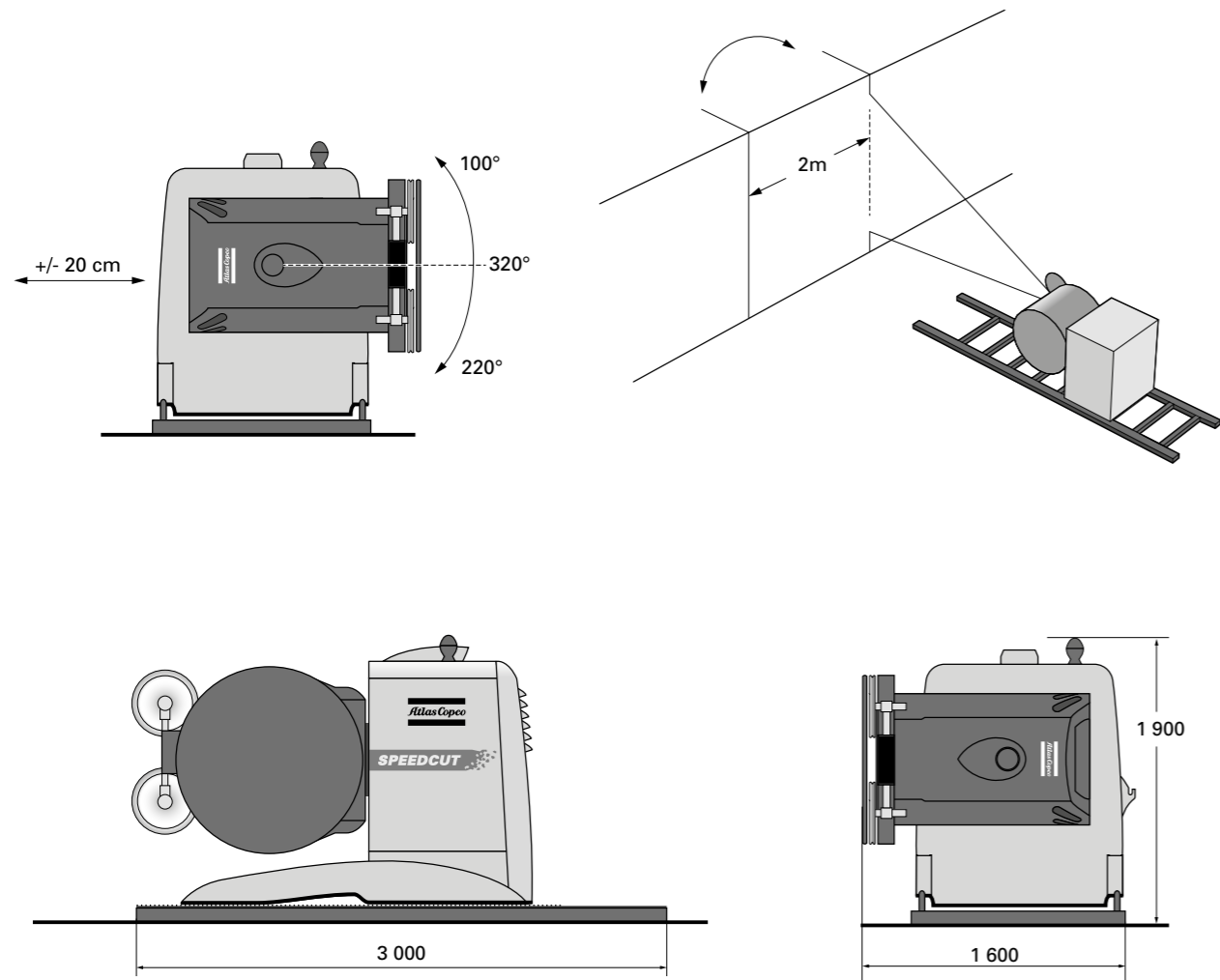
	Metric	Imperial
Temperature limits	–20°C to +45°C	–4°F to +113°F

TRACK

Two, 3 m length
Light, strong and easy to connect to each other
Track can be lifted and moved together with the machine

SpeedCut

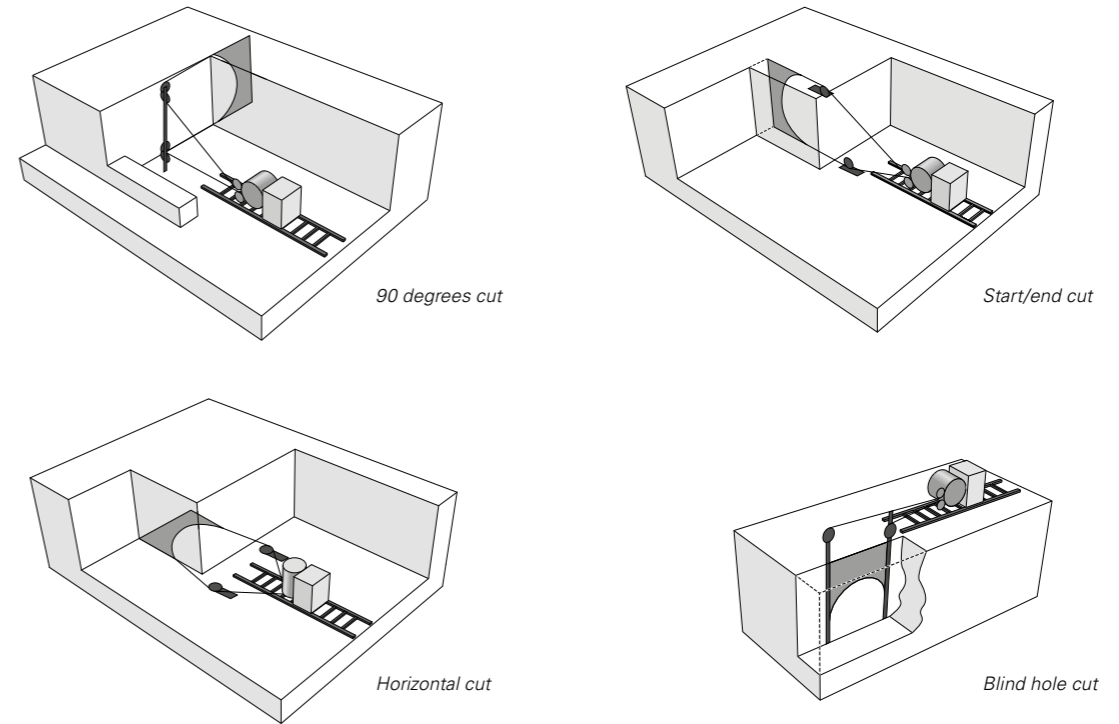




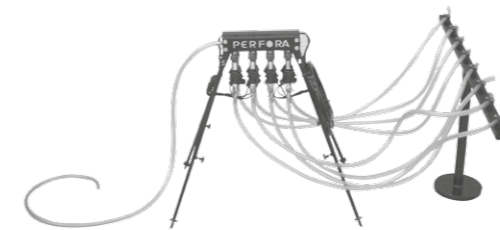
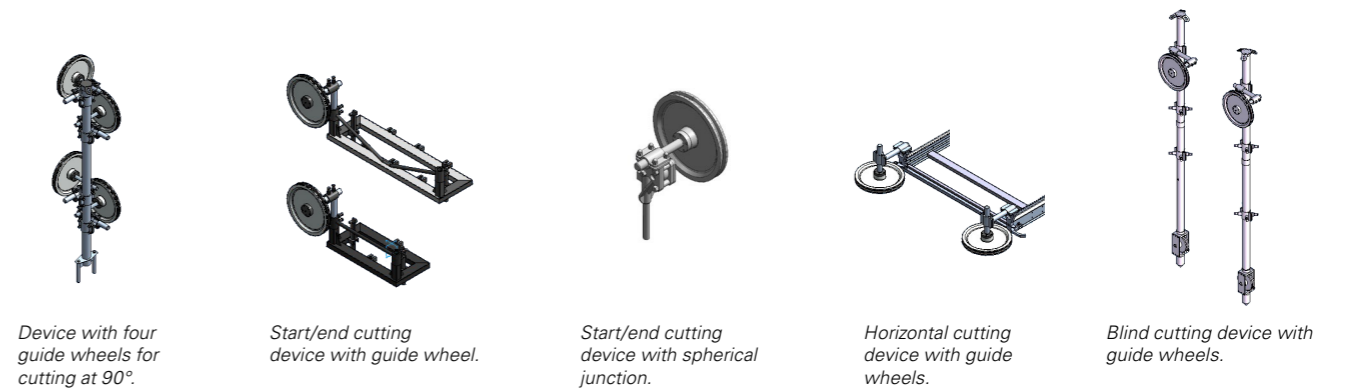
HEIGHT AND LENGTH		
	Metric	Imperial
Length (L)	3.00 m	9' 10"
Width (W)	1.60 m	5' 3"
Height (H)	1.90 m	6' 3"

WEIGHT		
Standard unit excluding all options and accessories	Metric	Imperial
SpeedCut	2 570 kg	5 666 lb

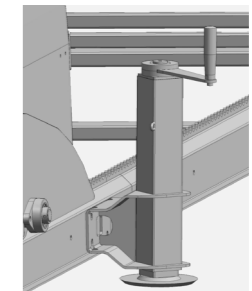
Cutting Areas



Accessories not included



Water distributing device equipped with 8 valves for water distribution control.



Stabilizer legs for a quicker and safer positioning.

OPTIONAL EQUIPMENT

- Electrical connection plug
- Manostat temperature control kit

COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers,
towards the environment and the people around us.

We make performance stand the test of time.
This is what we call – Sustainable Productivity.

www.atlascopco.com

The Atlas Copco logo consists of two horizontal white bars above the brand name 'Atlas Copco' in a white, italicized serif font, which is itself centered between two more horizontal white bars.

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