

MAK 45

CHAIN TRENCER



GARBIN
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tracking the future

Features MAK 45

Machine for nursery workers and gardeners - Micro-irrigation.

Suitable for laying cables and pipes in various types of topsoil without damaging the lawn.

Only removes the amount of material strictly required

TECHNICAL SPECIFICATIONS:

- 6.5 HP Honda GX 200 engine
- Mechanical transmission to trenching chain by belt and oil-cooled geared final drive
- Safety device to stop engine
- Mechanical trench cleaner

GENERAL FEATURES:

- Up to 45 cm adjustable trench depth
- 11 or 13 cm trench width with cup tooth and combined chain, 11 or 12 cm with bullet bit chain
- Weight of machine in operating order: 150 kg
- Dimensions: 1400 x 800 x 1145 (h)

AVAILABLE ATTACHMENTS

• TRENCH WIDENER KIT	13 cm size with cup teeth or combined solution
• TRENCH WIDENER KIT	12 cm size with bullet bit teeth
• CUP-TOOTH CHAIN	Ideal for soft, even grassy soil. Guarantees excellent productivity and a remarkably
• COMBINED CHAIN	Ideal on mixed terrain. Guarantees good productivity when the soil consistency is mixed. Combines the distinctive features of cup teeth with the tenacious performance of bullet-bit teeth
• BULLET-BIT CHAIN	Ideal for very dry and/or stony soil. Guarantees optimum performance and excellent trench-digging output even in stony soil.

Technical specifications MAK 45



ENGINE

Make	HONDA petrol (gasoline)
Type	GX 200
Type of engine:	
25° inclined single-cylinder, 4-stroke, OHV Otto engine with horizontal shaft, forced air cooling	
Stroke x bore	68 x 54 mm
Displacement	196 cc.
Compression ratio	8.5:1
Max. power kW/HP	4.8 kW (6.5 HP) / 3600 rpm
Net power output kW/HP	4.3 kW (5.8 HP) / 3600 rpm
Continuous rated power kW/HP:	
3.3 kW (4.4 HP) / 3000 rpm	
3.7 kW (5.0 HP) / 3600 rpm	
Max torque max / Max	12.4 Nm / 12.6 kgf / 2500 rpm
Ignition	contactless transistor
Starting	self-winding pull start
Tank capacity	3.1 liters
Fuel consumption at rated power:	
1.7 liters/hour - 3600 rpm	
Oil sump capacity	0.6 liters
Overall dimensions (L x W x H)	313 x 376 x 346 mm
Dry weight	16 Kg

TRANSMISSION TO WHEELS

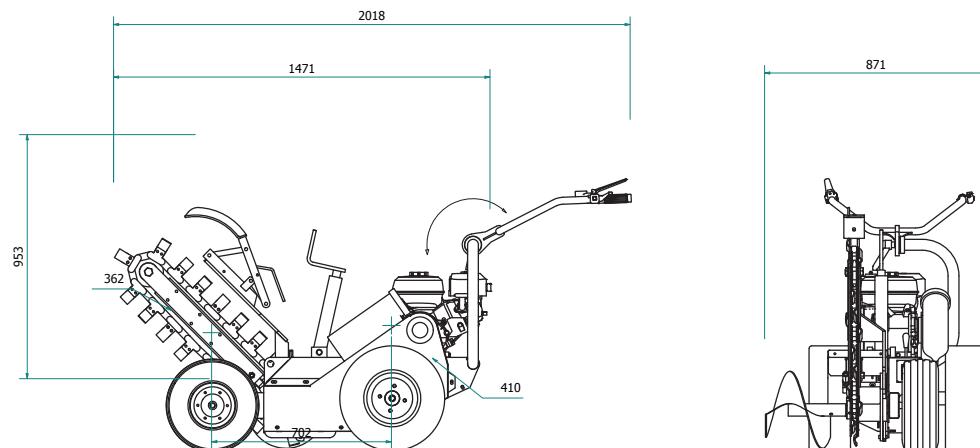
Automatic transmission by cam mechanism.

TRANSMISSION TO TOOL

Mechanical transmission to trenching chain by belt and oil-cooled geared final drive.

TYRES

- Deep-tread driving wheel tyres with inner tubes:
TRACTOR 16 x 6.50 - 8 4PR
- Bearing tyre with inner tube
15.600 x 6" PR RIG



CHAIN TRENCHER UNIT

Trenching chain with tool brackets	
Chain length	standard 32 links
Main shaft pinion and end pinion	Z4
Number of trenching tools	standard 16 tools
Type of tools: with cup teeth and/or bullet-bit teeth with tungsten carbide tips	
Mechanical device to adjust trenching chain tension	

WEIGHTS AND DIMENSIONS

Weight in operating order with 45 cm trenching arm and full petrol (gasoline) tank	150 kg
Length	140 cm
Width	80 cm
Height	114 cm

PERFORMANCE

Trench depth	from 0 to 45 cm
Trench width:	
Cup teeth	11- 13 cm
Bullet-bit teeth	11- 12 cm
Combined	11- 13 cm
Trenching speed	max 60 m/h

SAFETY DEVICE

- Chain guard.
- Safety device to stop engine by releasing the red lever on the left handlebar (configuration with normally open micro).

For 60 years we have been digging around the world

Garbin Makbrent has more than 60 years of experience in engineering specific solutions for customers.

Today the company is more and more committed to pursue the innovation by implementing new production technologies along with the expertise of people who, with the culture of the Italian know-how, make the difference.

In a new facility engineering and production work side by side to track the future.



MakBrent srl

via Ponticelli 36
36020 Agugliaro (VI)

P. IVA IT02866010248
Cap. soc. € 1.000.000,00

T +39 0445 602900

F +39 0445 580101

info@makbrent.com
www.makbrent.com

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