

MAK 45

CHAIN TRENCER



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

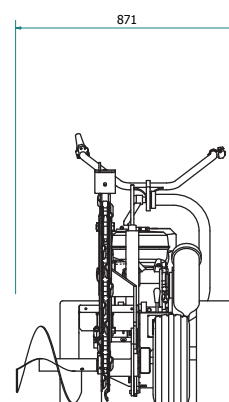
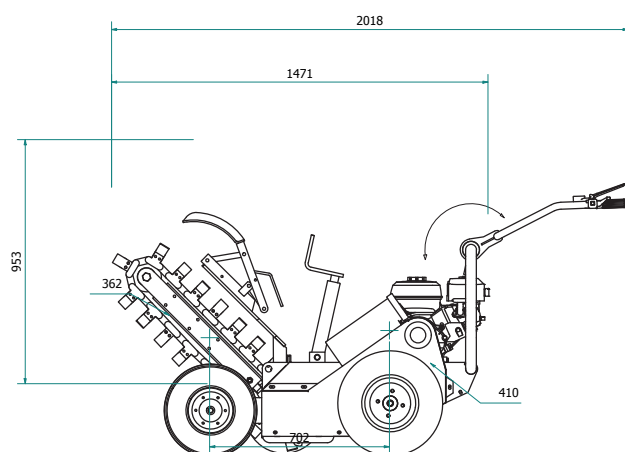
Weight in operating order with 45 cm trenching arm
and full petrol (gasoline) tank 150 kg
Length 140 cm
Width 80 cm
Height 114 cm

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

