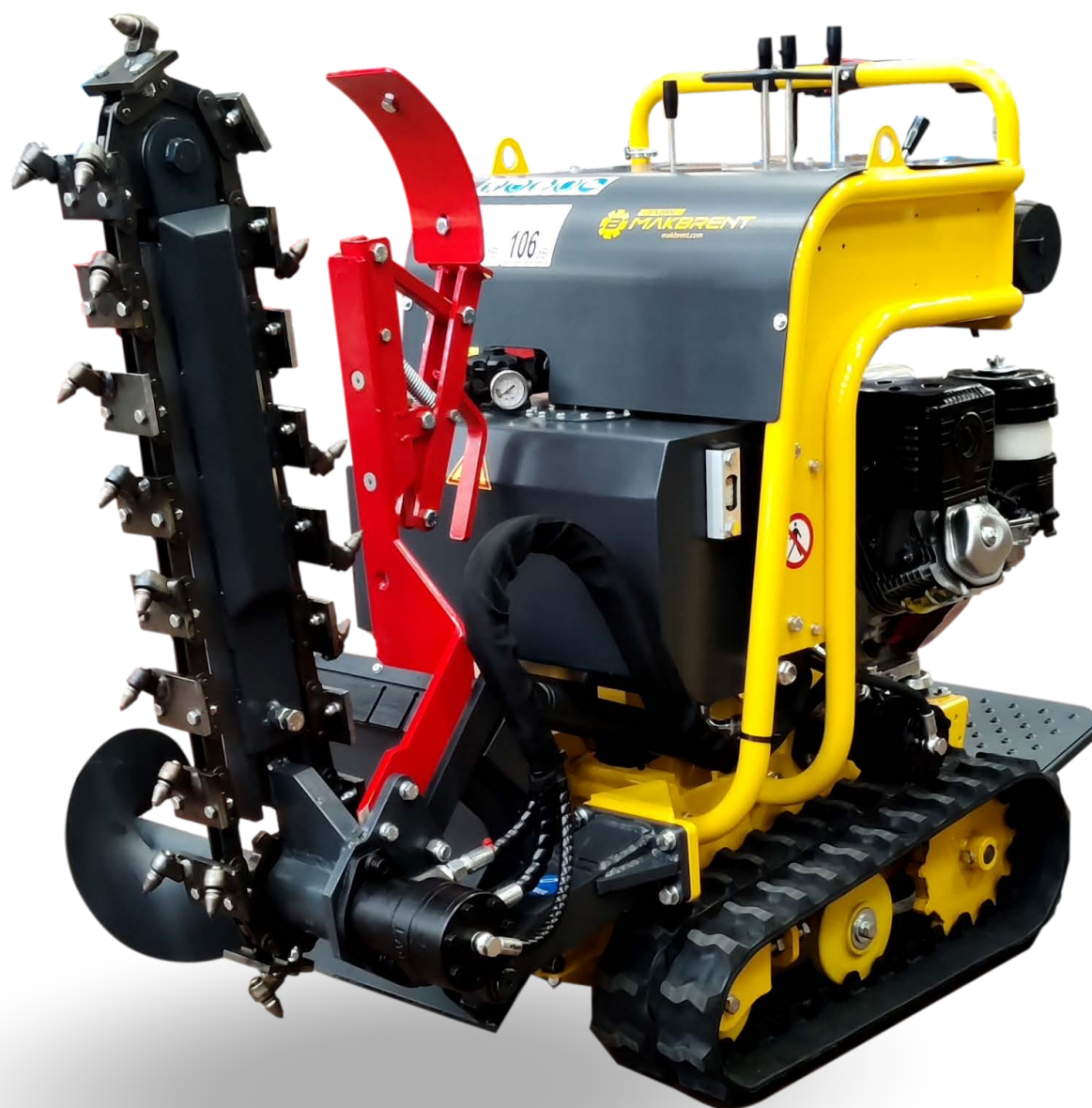


MAK 60 - MAK 80

Chain trencher



Features MAK 60 - MAK 80

Machine for nursery workers, gardeners and farmers - 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

GENERAL FEATURES

- 60 cm or 80 cm trench depth
- Trench width:
- From 11 to 16 cm with cup-tooth and combined chain, 11 or 12 cm with bullet-bit chain
- Weight of machine in operating order:
- 300 kg (Traction 60) - 350 kg (Traction 80)
- Dimensions: 1615 x 700 x 1145 (h) mm

AVAILABLE ATTACHMENTS

- **TRENCH WIDENER KIT** 13 - 16 cm (cup-tooth chain and combined chain)
- **TRENCH WIDENER KIT** from 12 cm (bullet-bit chain)
- **CUP-TOOTH CHAIN** Ideal for soft, even grassy soil. Guarantees excellent productivity and a remarkably neat and clean trench.
- **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:

- 13 HP Honda 390 GX engine
- Hydraulic transmission to tracks
- Excavated material removed by screw

Technical specifications MAK 60 - MAK 80



ENGINE

Model	13 HP HONDA 390 GX
Type of engine:	25° inclined single-cylinder, 4-stroke, OHV Otto engine with horizontal shaft, forced air cooling
Fuel system	Petrol (gasoline)
Bore x stroke	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

- Hydrostatic with fixed displacement pump
- Orbital hydraulic engines with fixed displacement

TYRES

Tracks 180x60x28 cm

CHAIN TRENCHER UNIT

Trenching chain with tool brackets	
Chain length	standard 38 links
Main shaft pinion and end pinion	Z4
Number of trenching tools	standard 19 tools
Type of tools:	with cup teeth and/or bullet-bit teeth with tungsten carbide tips
Mechanical device to adjust trenching chain tension	
Hydraulically adjustable trench depth	

WEIGHTS AND DIMENSIONS

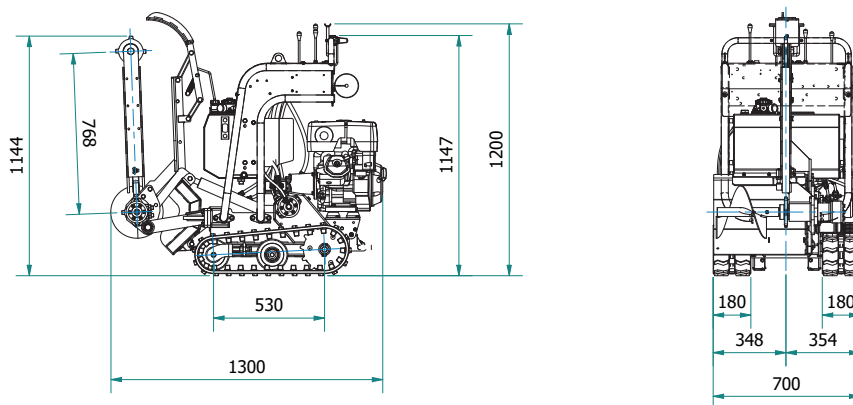
Weight in operating order with 60- 80 cm trenching arm and full petrol (gasoline) tank	330 - 355 kg
Length	145 cm
Width	74 cm
Height	135- 145 cm

PERFORMANCE

Trench depth	from 0 to 60 - 80 cm
Trench width:	
Cup teeth	11- 16 cm
Bullet-bit teeth	11- 12 cm
Combined	11- 16 cm
Trenching speed	from 0 to 0.3 km/h
Transport speed	from 0 to 2 km/h
Maximum gradeability when operating	10%

SAFETY DEVICE

- Chain guard.
- Safety device to stop engine by releasing the red lever (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.



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