

C12R-B
1100 kg



Call for Yanmar solutions





> COMPACTNESS

C12R-B

The Yanmar C12R-B is ideal for use on all type of grounds and offers versatility and productivity.

Design principles

- > Compact dimensions:
 - Total width reduced to 960 mm to fit through openings of 1000 mm. New gate lever design integrated within the width of the machine.
 - Length of only 2650 mm.
 - Small turning circle (1810 mm) to work in the narrowest areas.
- > Low center of gravity for higher stability. Machine can travel on slopes of up to 30°.



Dumping

- > High vessel capacity for a very compact machine (0.52 m³ heaped): reduction of the number of round trips on construction sites.
- > Three-way tipping: more efficiency of dumping alongside a trench (less space used).
- > Two pins, easily removable without tools, change the position of side opening. Each gate can be quickly opened with the new lever design.
- > Ample dumping angle (58° on sides - 56° for the rear): enhanced safety when dumping due to single side discharge.



Pin to position the side opening

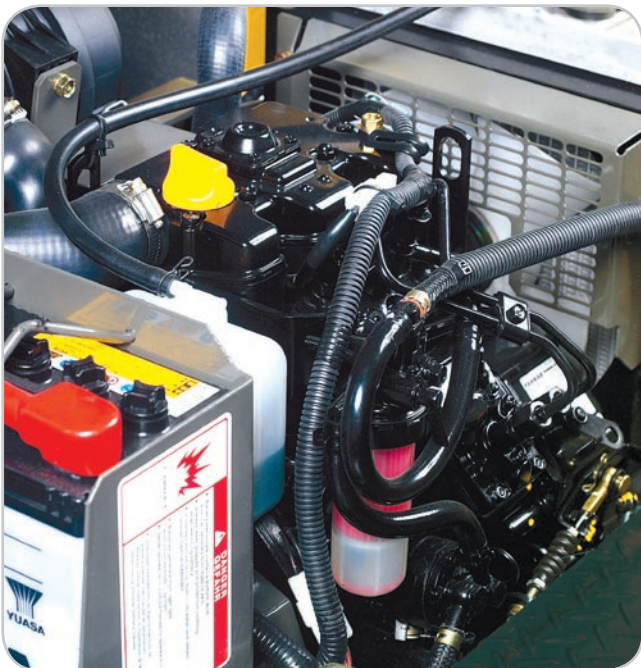


> HIGH PERFORMANCE

C12R-B



Combining long experience and unrivalled expertise, YANMAR's technology ensures environmental performance and high efficiency.



YANMAR engine, TE generation



- > In accordance with the latest noise and environmental norms.
- > 2-cylinder engine, water cooled.
- > Low noise (LwA: only 99 dBA). Reduced operator fatigue. Suitable for urban areas.

Efficiency on all types of terrain

- > Performance on soft and swampy areas.
- > Lower ground pressure due to rubber crawlers and excellent weight distribution. Limited ground damage: the C12R-B is an alternative to wheeled loaders.
- > Rubber crawlers do not damage the asphalt and offer an excellent adhesion on soft grounds.
- > Undercarriage equipped with track rollers with pendular supports to compensate for different ground levels.



> COMFORT

C12R-B

Full operational comfort for ease of operation and work efficiency.

Easy manoeuvring

- > Convenient travelling due to transmission.
- > Quick and safe reversible travel direction due to an easily accessible select lever.
- > Direction of the machine by crawler rotation: 2 travel levers for precise and safe movements.
- > Travel speed select lever (controlling the travel pedal):
 - High speed position: travelling on flat and regular grounds.
 - Low speed position: travelling on difficult grounds (swamp, mud) or on heavy slopes where much more output is required (more traction required).

Ergonomic pilot system

- > Spacious leg room.
- > Easy access to control levers and simple use: reduced operator fatigue after one working day.
- > Access to operating position from either side.
- > Lockable brake pedal acts as a parking brake.

Travel direction select lever

Travel pedal

Brake pedal



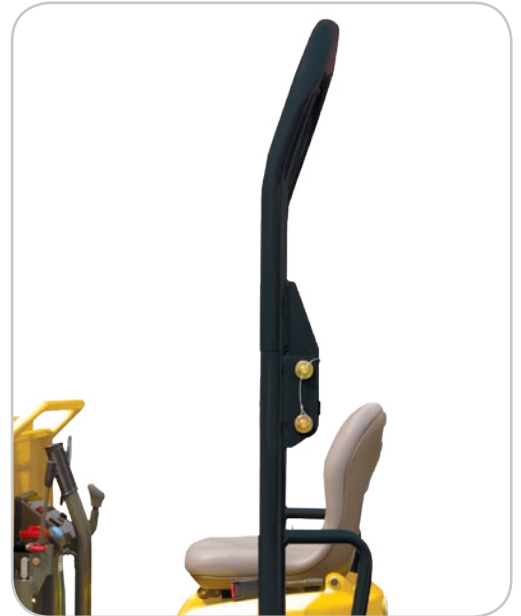
> SAFETY

C12R-B



Foldable ROPS structure

- > ROPS structure as standard to protect the operator against rolling over.
- > Quickly foldable without tools by taking off the 2 pins: possibility to travel under low obstacles.



Safety for the operator

- > Safety bar on the top of the vessel for the operator safety during travel on heavy slopes.
- > Seat with safety belt.
- > Wet multiple disk brakes: reliability and durability.
- > Alarm for reverse travel.



- > Safety system on dumping lever: locks the vessel during travel.





> MAINTENANCE

C12R-B

Gate levers



Vessel designed for heavy work

- > The design of the whole structure allows the use of the machine under extreme conditions and increases the machine life:
 - Floor plate thickness: 4.5 mm.
 - Gate post thickness: 3.2 mm.
- > Robust gate levers.
- > Lock bar of dumped vessel for maintenance:
 - Greasing points.
 - Control of hydraulic oil level.
- > Safety bar on the rear of the machine.

Robustness of the undercarriage

- > Long undercarriage for better stability.
- > Excellent weight distribution by 5 reinforced track rollers (for each side).
- > Rubber crawlers with small metal inserts with short pitch: quiet ride and less wear.
- > Crawlers designed to last longer and sufficient elasticity to work on hard grounds (paved road).
- > Easy adjusting of the crawler tension by an adjusting bolt.



Optimum accessibility

- > Large engine hood opening, allowing optimum access to the main engine components.
- > The daily control points (water, engine oil, filters, fan belt...) are positioned to facilitate the maintenance operations.





TECHNICAL SPECIFICATIONS

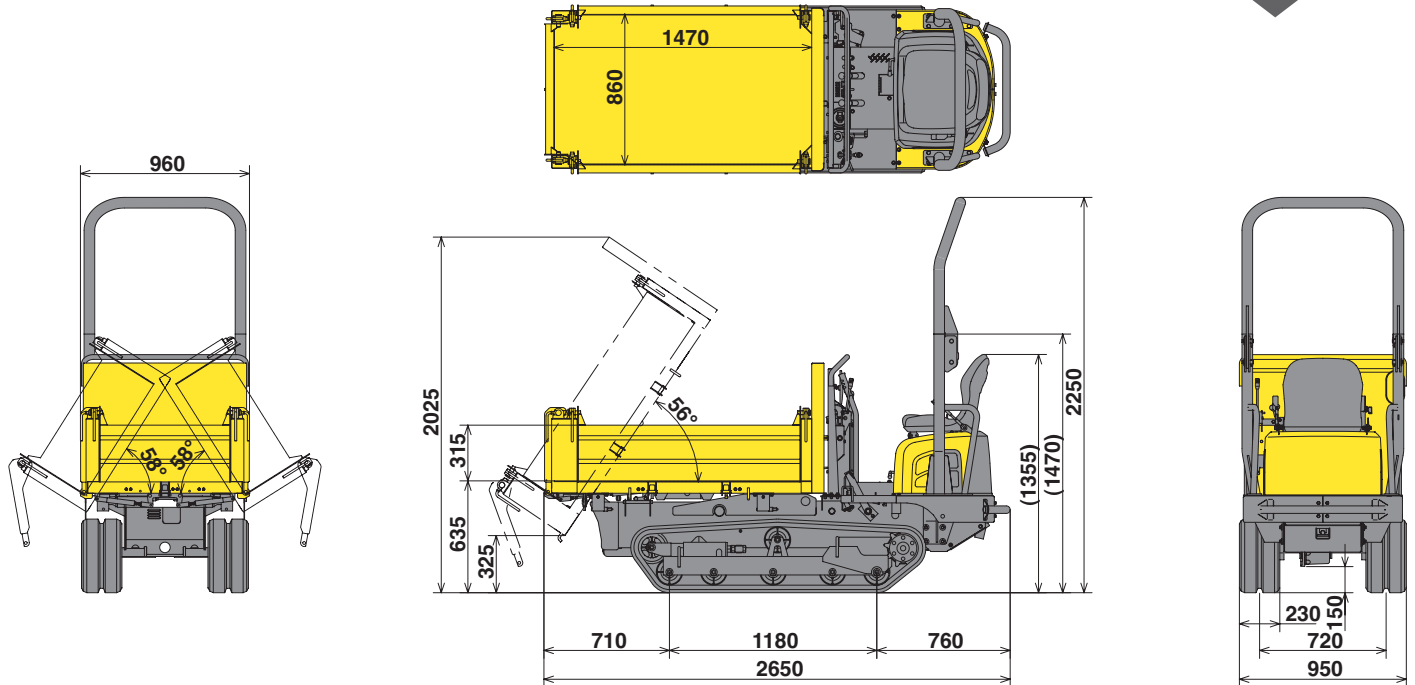
C12R-B



Operating weight +-2% (EC Norms):
> 1100 kg

Transport weight +-2% (EC Norms):
> 1025 kg

Payload:
> 1150 kg



Subject to any technical modifications. Dimensions given in mm.

Engine

Yanmar Diesel 2 cylinders	2TE67L-FW3
Rated Output	7.5 kw / 10.2 HP / 2800 rpm
Displacement	507 cm ³
Max. torque.....	30.8 N.m. / 2200 rpm

Performance

Dumping angle (rear / sideway).....	56° / 58°
Vessel dimensions (L x w x h)	1470 x 860 x 315 mm
Dumping mechanism	3 sides
Dump vessel capacity (struck / heaped)	0.4 / 0.52 m ³
Dump clearance	325 mm
Grade ability	30°
Max. travelling speed (forward / reverse).....	5.5 km/h
Min. turning circle	1810 mm

Undercarriage

Track width.....	230 mm
Ground clearance.....	150 mm
Ground pressure (unloaded / loaded).....	0.20 / 0.41 kg/cm ²

Miscellaneous

Hydraulic tank	16.5 l
Gear pump for dump	11.5 l/min x 160 bar
Fuel tank	14.5 l
Hydraulic system	2.0 l
Noise Level LwA (2000/14/EC & 2005/88/EC).....	99 dBA



Printed in France – Materials and specifications are subject to change from the manufacturer without notice. Please contact your local Yanmar Construction Equipment Europe dealer for further information.

Yanmar Construction Equipment Europe S.A.S.

25, rue de la Tambourine
52100 SAINT DIZIER – FRANCE
contact@yanmar.fr

www.yanmar.eu