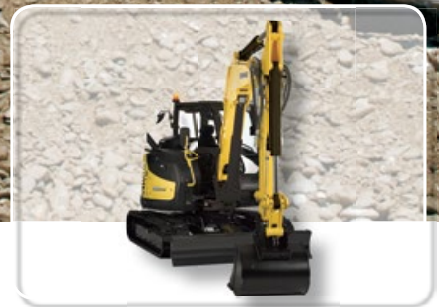




YANMAR

MIDI-EXCAVATOR

Vi080-1



| | |
|-------------------------------|-------------|
| Engine | 4TNV98C-WBV |
| Net power | 53,5 HP |
| Operating weight | 8.065 kg |
| Digging force (bucket) | 63,5 kN |

ViO80-1



> COMPACTNESS

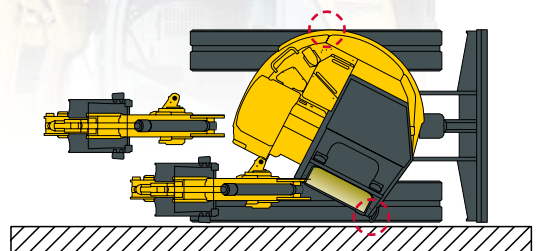
A true concentrate of technology and innovation, ViO80-1 offers the performance of a large excavator while enjoying the benefits of a compact excavator. Designed to work effectively on a wide variety of sites, it combines compactness, power, versatility, comfort and reliability.

UNMATCHED
COMPACTNESS
FOR
UNLIMITED
ACCESS



Neither the counterweight, nor the front part of the upper frame project beyond the track width

With its front part designed not to extend over, the ViO80-1 has a very small turning radius. It can thus operate with confidence and efficiency along the walls and in confined spaces where the machines in its weight class do not have access.





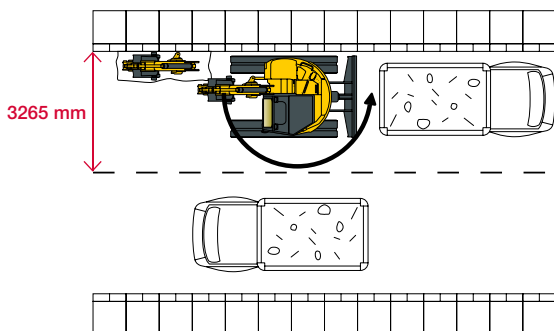
MAXIMUM STABILITY AND EXCEPTIONAL LIFTING STRENGTH

The VI080-1 is equipped with the VICTAS® system whose strength lies in the increase of the support surface and increase in tracking through the use of asymmetric crawlers. This system, patented by Yanmar, reduces track degradation, makes displacements quieter and reduces vibration. Associated with the use of a large counterweight and excellent weight distribution, it provides the same or even higher stability than conventional machines in the same weight class, as well as remarkable lifting capacities.



Ideal for urban jobsites

The VI080-1 is particularly suited for work in urban areas: no need to block the two lanes of traffic.



Dual axis position of the arm cylinder

When using a quick hitch, the dual position of the arm cylinder axis makes for scalable kinematics and prevents collisions with the boom while maintaining digging force.





> WORK PERFORMANCE

Based on our unique experience and expertise, Yanmar technology ensures excellent performance while respecting the environment. The ViO80-1 combines power, flexibility and precision. Its versatility makes it the ideal partner to improve your productivity, regardless of the work site complexity you are facing (excavation, grading, demolition, backfilling...).

OUTSTANDING PERFORMANCES FOR A MIDI-EXCAVATOR OF THIS SIZE

Features of a large excavator in a compact format

The breakout forces of 63.5 kN at the bucket and 40.8 kN at the lever arm are exceptional for an 8 ton excavator with no rear overhang. Associated with a digging depth of 4130 mm (3780 mm for vertical wall) and excellent traction force, they allow the ViO80-1 to carry out major work such as laying pipes or excavation and clearing operations for large areas.

Improved working speed

The new hydraulic circuit on the ViO80-1 can increase the excavation, loading speeds, and increase productivity. The operator can perform nearly 18% more work per hour compared to the previous model ViO80.

IMPROVED HYDRAULIC CONTROL FOR EASIER HANDLING AND GREATER EFFICIENCY

VIPPS® Hydraulic circuit (ViO progressive 3 pump system)

The ViO80-1 is equipped with a hydraulic circuit with aggregated power regulation equipped with three variable flow piston pumps and a multiple combination directional control valve. Pumps engage automatically depending on the operation being performed, providing greater ease of use for the operator. On one hand, the combination of the pump flows can increase the work speed and on the other hand, the system allows smooth and simultaneous performance of all the operations, even while travel.

Regulation of hydraulic system based on engine speed

The new electronic hydraulic pump regulator adjusts its flow rate based on engine performance. Thus engine power is perfectly exploited and machine performance is optimized.

FLEXIBILITY, ACCURACY AND VERSATILITY

Adjustable proportional control of the auxiliary circuits

The ViO80-1 is equipped in standard with two auxiliary circuits with proportional control on joystick with adjustment using potentiometers. The proportional control adapts the flow of oil to the use and the needs of each attachment. The operator thus has a perfect control of accessories (reclining buckets, brush cutters, hydraulic hammers ...).

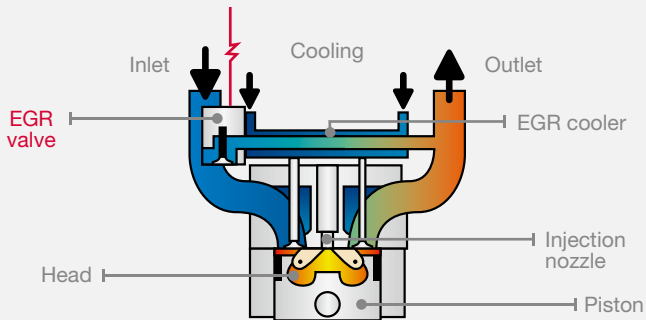


NEW POWERFUL AND ENVIRONMENTALLY FRIENDLY YANMAR ENGINE

Power and cleanliness

The ViO80-1's new Yanmar diesel engine with direct injection has an output of 41.5 kW (56.2 hp) and meets the Phase IIIB and Tier 4 emission standards. It is equipped with an electronic control unit and a common rail system that achieves an excellent power/consumption/noise ratio by electronic control of fuel injection.

A particulate filter traps particulate matter contained in exhaust gas and burns them during its automatic regeneration. Its operation without additives reduces maintenance costs.



Electrical control system EGR

The exhaust gas is partially cooled and mixed with the incoming air in order to lower the oxygen concentration in the intake air. This system lowers the combustion temperature and reduces emissions of nitrogen oxides (NOx) while boosting fuel efficiency.

REDUCED FUEL CONSUMPTION

Auto-Idle

A self-deceleration mechanism (disconnectable) reduces engine speed when the ViO80-1 does not work. When the control levers are not used for 4 seconds, the engine automatically drops to idle. When they are moved again, the engine returns to the previous speed. Environmental performance (noise and emissions) and fuel consumption are even more improved.

Eco Mode

The Eco mode effectively controls the motor speed, thus allowing a very low fuel consumption. Particularly useful when working require little power and low speed of movement (levelling a field using a ditching bucket ...), the Eco mode saves up to 17% less fuel, thereby reducing operating costs.





> COMFORT

Designed to meet the operator needs, the ViO80-1 cab is large and pleasant. The attention paid to the work environment and ergonomics makes you feel comfortable during long days on site. The increased visibility and a comfortable operator station allow the operator to be even more productive while reducing fatigue.

UNEQUALLED COMFORT FOR MORE EFFICIENCY

Large and comfortable cabin

The ViO80-1 cab interior is very spacious. The large legroom allows the operator to work comfortably for long hours. The entrance, which is also very large, provides easy cab access and exit.

Wide air suspension seat standard

The wide seat with headrest is fitted with a standard air suspension and can slide back and forth alone or simultaneously with the levers. It allows the operator to find an optimal working position depending on their size and girth while reducing shocks and vibrations.

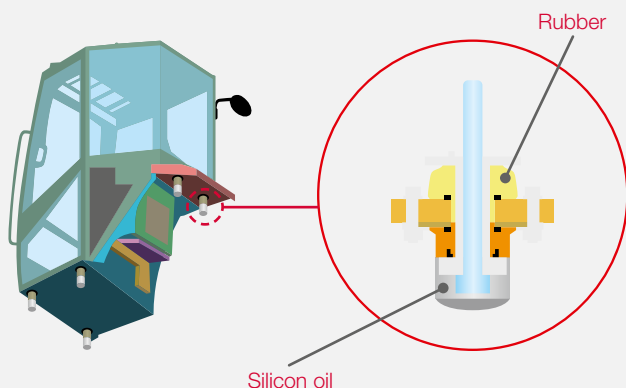
Improved air conditioning

The ViO80-1 air conditioning can work at a comfortable temperature whatever the weather. Vents are placed so as to ensure a homogeneous temperature within the cabin. The use of outside air increases the cabin pressure and reduces dust penetration. The defrost function ensures perfect demisting of the windscreen.



Quiet cabin

The ViO80-1 cab is mounted on an innovative and sophisticated silent block anti-vibration and noise-reduction system. The sound level reaching the operator is reduced (73 dB(A)). The 5 support points absorb even significant vibrations.



Standard equipment also includes: a radio with USB port, several handrails, numerous storage spaces, an automatic ceiling, a bottle holder, two 12-volt sockets, a coat rack, a toolkit...

MANY FEATURES FOR IMPROVED EASE OF CONTROL

Perfect cockpit ergonomics

The architecture inside the cab ViO80-1 has been studied to improve the operator driving position and to facilitate its work, particularly on the long and challenging work sites. The wrist supports are adjustable. The wide travel pedals and hydraulic control levers are fluid and easy to use. Ideally located, the control levers offer exceptional movement precision.

Automatic 2nd speed

The ViO80-1 has an automatic second speed for long displacements. A power switch keeps the machine in 1st gear for difficult passages (slope, counter-rotation, etc...).



360° visibility for safe and efficient work

The large ViO80-1 cabin windows and shape of the hoods provide the operator with excellent visibility around the machine. The front windshield, divided into two parts, is fully retractable and the windows on the right side slide. The operator can easily communicate with other workers. The 360° visibility ensures optimum safety on the work site and makes work more efficient. It also reduces the risk of damaging the machine, especially in tight spaces or congested job sites.

Optimum visibility during loading operations

The front part of the roof is transparent and provides full control of the bucket to the operator during loading or demolition operations.

A panoramic vision for a better control of the work environment

The ViO80-1 is equipped with 5 rear and side mirrors. The operator can control the work area as well as the area around the machine without moving from his seat.





> SAFETY

Because one is more effective in a safe and secure environment, the safety of the operator and people working around the machine is one of our priorities. The ViO80-1 is equipped with many facilities that enable to work with confidence.

A WORKING ENVIRONMENT THAT IS BOTH PRACTICAL AND SECURE

Cabin conform to ISO standards

The ViO80-1 cab has been designed to increase operator safety and confidence. The use of a very rigid ROPS and strong resistance for the cab enhances operator safety in a roll-over. The cabin also conforms to the FOPS I standard for protective structures against falling objects. It can optionally be equipped with a FOPS II guard.

LED lighting: efficiency and low consumption

In order to work efficiently and accurately in darkness, ViO80-1 comes standard with 3 LED lights positioned in the inner part of the boom and at the front of the cabin. The LED technology provides a powerful light while reducing energy consumption and increasing the life of the battery. An optional beacon and additional LED headlight can be added to the rear of the cab.



Additional Equipment



Safety lever to access the cockpit



Seat belt with retractor



Electric engine stop (emergency stop)



Anchor points for transport



Engine air cooling evacuation facing up
(protection of people and the surrounding plants)



Evacuation hammer



RELIABILITY <

The ViO80-1 perfectly meets the reputation for quality and durability of the Yanmar machines. The excellent accessibility to components and speed of maintenance and cleaning operations allow achieving excellent levels of on-site availability. Assured of his machine's performance, the operator can calmly work.



THE RELIABILITY NEEDED FOR IMPROVED PRODUCTIVITY AND REDUCED OPERATING COSTS

All ViO80-1 components were designed in order to make it reliable, durable and capable of performing demanding work.

The structure of the undercarriage, as well as the durable steel covers, provide fool proof resistance for the chassis. The hoses are protected with abrasion-resistant sleeves. Their routing on the top of the boom and on the right side of the machine is particularly thought through to avoid the risk of torsion and limiting machine down time. The blade and boom cylinders are fully protected by steel plates. Cathaphoresis treatment of the steel parts provides excellent resistance to corrosion for the paint. Form stringers prevent the accumulation of soil and reduce the internal track wear.

Digital interface: for better control of the machine and greater productivity

The ViO80-1 is equipped with a digital interface that informs the operator in real time on the status of his machine. Perfectly integrated into the right-hand console, the 3.3" screen provides excellent visibility in bright sunlight or at night.

This interface allows you to manage working time, daily maintenance operations and to program interventions. It provides useful information on the operation of the machine, such as engine oil and coolant temperatures or fuel level and stores the important events.

It also warns the operator in case of malfunctioning of the machine (insufficient battery charge, abnormal oil pressure, clogged air filter...).





UNLIMITED ACCESS AND EASE OF MAINTENANCE TO REDUCE INSPECTION TIME AND MAINTENANCE

Easy access

The rear and side covers are easy to open and have large openings for easy reach to daily check points. The engine elements as well as the hydraulic filter and the air filter are under the back cover. The right covers provide access to the radiator, battery, fuel tank and hydraulic filling points. The fan and air conditioner belts are easy to adjust. Inside the cabin, the panel beneath the seat and the removable floor make it very easy to access the relays, fuses and the components located under the cab.

Easy cleaning

The ViO80-1 is designed to minimize maintenance time of its various elements. The corrugated radiator wall is designed to prevent it from being crushed. The cabin carpet is easy to clean and air conditioning filter, positioned in the cabin, can be easily removed for cleaning or replacement.



Fan belts are accessible through a hatch to the right of the cabin. The battery is protected by a metal plate behind the right back cover. The electrical components are under the seat.



YANMAR SERVICES



Our distributors provide you all the solutions you need: advice tailored to your situation, including full-service contracts, spare parts and maintenance.

> FINANCING

The **Y-Finance*** solutions guarantee the most competitive interest rates and help you determine the financing plan that best suits your needs.

** The offerings vary by country.*

> WARRANTY

All new Yanmar excavators sold through our authorized network in Europe are protected for 12 months (or 1,000 hours, whichever comes first) by a manufacturer's warranty with an extension of 12 months (or 1,000 hours) for the drive train. We go further by proposing extended warranty contracts "Garantie PLUS" that offer various solutions for long-term coverage.

> PARTS

The original Yanmar parts are designed, tested and manufactured to ensure optimal quality and safety. By systematically using original spare parts, you can be sure to maintain the performance of your machine and avoid future costly repairs due to inadequate parts. You are sure that your machine is kept in perfect condition and you ensure a high resale value.

Available from our distributors, original Yanmar parts can be delivered within 24 hours.

> MAINTENANCE

Proximity, speed, quality and reliability are constant concerns for Yanmar dealers. We are committed to your peace of mind and we are committed to your satisfaction. The network of authorized Yanmar repair sites is present in all European countries. You can always find nearby mechanics trained and qualified to care for your machine. Authorized repairers provide contracts and routine maintenance services, perform emergency repairs and provide you with advice adapted to your needs.



> STANDARD EQUIPMENT

Engine

- 4TNV98C-WBV Yanmar diesel
- Meets Phase IIIB and Tier 4 standards
- Direct Injection
- Common Rail System
- EGR Electrical Control System
- Engine Control Unit (ECU)
- Particle filter with automatic regeneration (without additives)
- Water Separator
- Eco Mode
- Auto-Idle System (auto deceleration)
- Throttle using potentiometer

+

Hydraulic system

- VIPPS Hydraulic system (ViO progressive 3 pump system)
- 2 auxiliary circuits with adjustable proportional control by potentiometer
- Electronic regulation of hydraulic pumps
- Automatic 2nd speed
- Filter on steering hydraulic circuit
- External hydraulic oil gauge

+

Cabin

- LCD Interface
- Cabin mounted on viscoelastic silent blocks
- Air conditioning
- Adjustable and reclining seat with

fabric covers, air suspension and headrest

- Adjustable wrist support
- Foot rests
- Wide travel pedals
- Windshield with 2 fully retractable parts
- Sliding double right side window
- Transparent upper front part
- Visor
- Wipers
- Windshield washer
- Automatic ceiling lamp
- Radio with USB port
- 2 x 12V outlets
- Storage Boxes
- Secure document storage
- Cup Holder

+

Undercarriage

- Asymmetric VICTAS tracks
- Blade cylinder supply hose into two parts

+

Safety

- Handrails
- Safety lever
- Seat belt with retractor
- Evacuation hammer
- Anchor points
- 5 mirrors
- Horn
- Travel beep

Lighting

- 1 LED light integrated into the boom
- 2 LED lamps on the front of the cab

+

Miscellaneous

- Electric refuelling pump with automatic stop
- Fuel gauge
- Double axis position of the arm cylinder
- Protection of the blade and boom cylinders
- Hoses protected by abrasion-resistant sleeves.
- Cataphoresis treated steel parts
- Locking Covers
- Toolbox
- Toolkit
- Grease pump

OPTIONAL EQUIPMENT

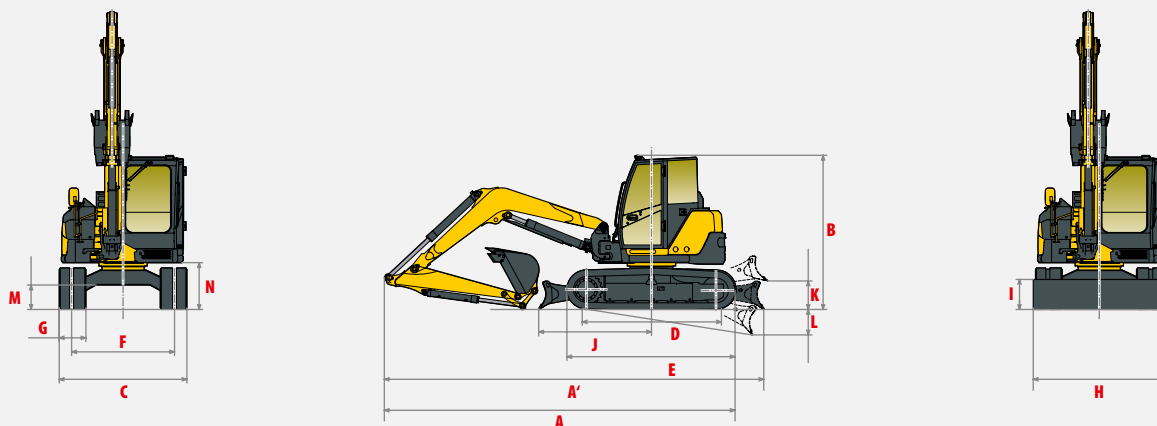
Special paint | Safety valves for lifting + overload warning | Long arm | Additional counterweight (+400 kg) | Prolongation of the auxiliary circuits to arm end | Quick couplings | Anti-theft (key/keyboard) | GPS Tracking | Centralised greasing | Skaï seat | LED rear light + flashing light | FOPSII protection grid

ACCESSORIES

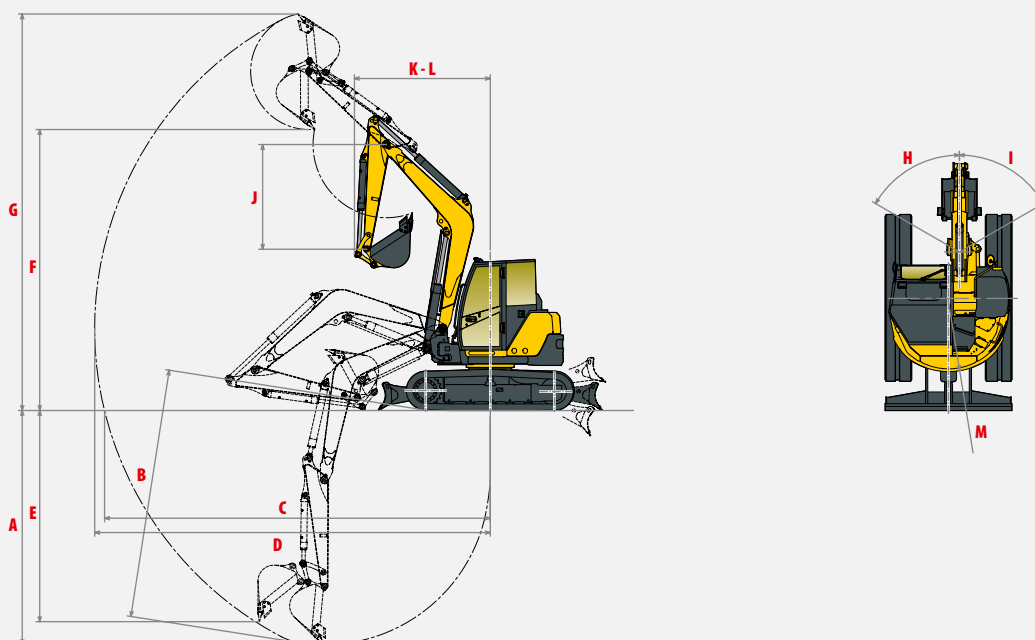
Yanmar gives you the accessories that fit your needs and match the safety standards in force in your country: mechanical quick coupler, hydraulic quick coupler, ditching bucket, swinging bucket, backhoe bucket, hydraulic hammer...



DIMENSIONS <



| | | | |
|---|-----------------|---|---------|
| A » Overall length | 6410 / 6450* mm | H » Overall blade width | 2260 mm |
| A' » Overall length with blade at the back | 6920 / 6960* mm | I » Overall blade height | 450 mm |
| B » Overall height | 2710 mm | J » Blade distance | 2030 mm |
| C » Overall width | 2270 mm | K » Max. lifting height above the ground | 460 mm |
| D » Length of track on ground | 2290 mm | L » Max. lowering depth from the ground | 480 mm |
| E » Undercarriage length | 2890 mm | M » Minimum ground clearance | 380 mm |
| F » Lane | 1870 mm | N » Ground clearance under counterweight | 700 mm |
| G » Track width | 450 mm | | |



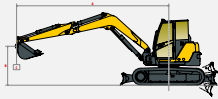
| | | | |
|---|-----------------|---|-----------------|
| A » Max. digging depth - Blade lifted | 4130 / 4500* mm | H » Boom swinging base to left | 57° |
| B » Max. digging depth - Blade lowered | 4430 / 4790* mm | I » Boom swinging base to right | 60° |
| C » Max. digging reach on ground | 6820 / 7160* mm | J » Arm length | 1650 / 2000* mm |
| D » Max. digging reach | 6960 / 7290* mm | K » Front boom swing | 2470 / 2520* mm |
| E » Max. vertical wall | 3780 / 4130* mm | L » Front turning radius with boom swing | 2130 / 2170* mm |
| F » Max. unloading height | 4700 / 4950* mm | M » Rear swing radius | 1135 mm |
| G » Max. cutting height | 6810 / 7020* mm | M' » Rear swing radius with additional counterweight | 1265 mm |

*Long arm

Subject to technical modifications. Dimensions in mm with specific Yanmar bucket.



> LIFTING FORCE



Tipping load,
rating over front



Tipping load,
rating over side 90°

Standard counterweight, standard arm

| A | Blade on ground | | | | | | | | Blade above ground | | | | | | | |
|------|-----------------|------|------|------|------|------|------|------|--------------------|------|------|------|------|------|------|------|
| | Max | 5 m | | 4 m | | 3 m | | Max | 5 m | | 4 m | | 3 m | | | |
| B | | | | | | | | | | | | | | | | |
| 5 m | 1730 | 1750 | - | - | 1740 | 1750 | - | - | 1720 | 1740 | - | - | 1740 | 1720 | 1720 | 1720 |
| 4 m | 1100 | 1680 | 1190 | 1680 | 1770 | 1780 | - | - | 1090 | 1150 | 1190 | 1250 | 1770 | 1750 | 1720 | 1720 |
| 3 m | 960 | 1690 | 1210 | 1780 | 1740 | 2080 | 2490 | 2500 | 950 | 1010 | 1200 | 1270 | 1720 | 2060 | 2480 | 2480 |
| 2 m | 880 | 1660 | 1190 | 1920 | 1740 | 2480 | 2500 | 3400 | 870 | 920 | 1190 | 1260 | 1730 | 1860 | 2460 | 2650 |
| 1 m | 870 | 1680 | 1140 | 2080 | 1630 | 2860 | 2230 | 3860 | 860 | 900 | 1140 | 1210 | 1620 | 1720 | 2190 | 2350 |
| 0 m | 910 | 1710 | 1110 | 2130 | 1580 | 2920 | 2220 | 3880 | 890 | 940 | 1100 | 1160 | 1560 | 1630 | 2180 | 2320 |
| -1 m | 990 | 1690 | 1110 | 2010 | 1590 | 2740 | 2370 | 3750 | 970 | 1100 | 1100 | 1140 | 1560 | 1650 | 2340 | 2540 |
| -2 m | 1200 | 1610 | - | - | 1590 | 2260 | 2620 | 3740 | 1190 | 1270 | - | - | 1570 | 1640 | 2600 | 3000 |
| -3 m | 1360 | 1350 | - | - | - | - | 1560 | 1560 | 1360 | 1650 | - | - | - | - | 1560 | 1550 |

Standard counterweight, long arm

| A | Blade on ground | | | | | | | | Blade above ground | | | | | | | |
|------|-----------------|------|------|------|------|------|------|------|--------------------|------|------|------|------|------|------|------|
| | Max | 5 m | | 4 m | | 3 m | | Max | 5 m | | 4 m | | 3 m | | | |
| B | | | | | | | | | | | | | | | | |
| 5 m | 1610 | 1610 | - | - | 1530 | 1530 | - | - | 1610 | 1610 | - | - | 1530 | 1530 | - | - |
| 4 m | 1050 | 1570 | 1240 | 1530 | 1570 | 1570 | - | - | 1060 | 1080 | 1250 | 1280 | 1570 | 1570 | - | - |
| 3 m | 920 | 1560 | 1210 | 1630 | 1810 | 1810 | - | - | 890 | 920 | 1220 | 1260 | 1810 | 1810 | - | - |
| 2 m | 820 | 1560 | 1160 | 1800 | 1640 | 2210 | 2520 | 3130 | 820 | 860 | 1160 | 1230 | 1640 | 1740 | 2530 | 2640 |
| 1 m | 790 | 1570 | 1120 | 1950 | 1540 | 2530 | 2250 | 3680 | 790 | 830 | 1120 | 1180 | 1530 | 1640 | 2250 | 2420 |
| 0 m | 800 | 1600 | 1060 | 2030 | 1470 | 2700 | 2160 | 3840 | 800 | 840 | 1060 | 1160 | 1450 | 1600 | 2140 | 2370 |
| -1 m | 880 | 1630 | 1050 | 2030 | 1410 | 2730 | 2150 | 3750 | 870 | 820 | 1060 | 1110 | 1420 | 1540 | 2150 | 2380 |
| -2 m | 1020 | 1580 | 1060 | 1690 | 1440 | 2360 | 2160 | 3190 | 1000 | 1070 | 1040 | 1120 | 1420 | 1510 | 2140 | 2320 |

Additional counterweight, standard arm

| A | With tiltrotator* | | | | | | | | Without tiltrotator | | | | | | | |
|------|-------------------|------|------|------|--------------------|------|---|------|---------------------|------|------|------|--------------------|------|------|--|
| | Blade on ground | | | | Blade above ground | | | | Blade on ground | | | | Blade above ground | | | |
| B | Max. | 5 m | | 4 m | | 3 m | | Max. | 5 m | | 4 m | | 3 m | | | |
| 5 m | - | - | - | - | - | - | - | 1730 | 1750 | - | - | 1740 | 1750 | - | - | |
| 4 m | - | - | 1136 | 1432 | 1522 | 1532 | - | 1260 | 1680 | 1310 | 1350 | 1680 | 1770 | 1780 | - | |
| 3 m | 886 | 1442 | 1156 | 1532 | 1746 | 1832 | - | 1100 | 1690 | 1160 | 1370 | 1780 | 1960 | 2080 | 2490 | |
| 2 m | 806 | 1412 | 1136 | 1672 | 1746 | 2232 | - | 1020 | 1660 | 1060 | 1350 | 1920 | 1960 | 2480 | 2820 | |
| 1 m | 786 | 1432 | 1096 | 1832 | - | - | - | 1000 | 1680 | 1310 | 2080 | 1850 | 2860 | 2560 | 3860 | |
| 0 m | 836 | 1462 | 1056 | 1882 | - | - | - | 1050 | 1710 | 1270 | 2130 | 1790 | 2920 | 2540 | 3880 | |
| -1 m | 926 | 1442 | 1046 | 1126 | - | - | - | 1140 | 1690 | 1080 | 1260 | 1340 | 1800 | 1780 | 2510 | |
| -2 m | - | 906 | - | - | - | - | - | 1370 | 1610 | - | - | - | 1800 | 1780 | 2670 | |
| -3 m | - | - | - | - | - | - | - | 1360 | 1360 | 1350 | - | - | - | - | 1560 | |

Additional counterweight, long arm

| A | Blade on ground | | | | | | | | Blade above ground | | | | | | | |
|------|-----------------|------|------|------|------|------|------|------|--------------------|------|------|------|------|------|------|------|
| | Max | 5 m | | 4 m | | 3 m | | Max | 5 m | | 4 m | | 3 m | | | |
| B | | | | | | | | | | | | | | | | |
| 5 m | 1610 | 1610 | - | - | 1530 | 1530 | - | - | 1610 | 1610 | - | - | 1530 | 1530 | - | - |
| 4 m | 1200 | 1570 | 1410 | 1530 | 1570 | 1570 | - | - | 1200 | 1240 | 1410 | 1450 | 1570 | 1570 | - | - |
| 3 m | 1030 | 1560 | 1380 | 1630 | 1810 | 1810 | - | - | 1060 | 1070 | 1380 | 1430 | 1810 | 1810 | - | - |
| 2 m | 950 | 1560 | 1320 | 1800 | 1850 | 2210 | 2860 | 3130 | 950 | 990 | 1320 | 1410 | 1850 | 1970 | 2860 | 2990 |
| 1 m | 920 | 1570 | 1280 | 1950 | 1770 | 2530 | 2570 | 3680 | 920 | 970 | 1280 | 1350 | 1760 | 1860 | 2570 | 2780 |
| 0 m | 930 | 1600 | 1220 | 2030 | 1690 | 2700 | 2490 | 3840 | 940 | 980 | 1220 | 1330 | 1680 | 1830 | 2470 | 2730 |
| -1 m | 1010 | 1630 | 1210 | 2030 | 1630 | 2730 | 2470 | 3750 | 1020 | 1070 | 1220 | 1280 | 1640 | 1770 | 2470 | 2740 |
| -2 m | 1160 | 1580 | 1220 | 1690 | 1670 | 2360 | 2490 | 3190 | 1180 | 1240 | 1200 | 1290 | 1640 | 1750 | 2470 | 2680 |

* Rototilt of 285 kg

The data in this table represents the lifting capacity in accordance with ISO 10567. They do not include the weight of the bucket and correspond to 75% of the maximum static tipping load or 87% of the hydraulic lifting capacity. Data marked with * are the hydraulic limits of the lifting force.



SPECIFICATIONS <

| WEIGHT +/- 2% (CE STANDARDS)



| | Weight | Ground pressure |
|----------------------------------|----------|--------------------------|
| Operating weight (rubber tracks) | 8,065 kg | 0.358 kg/cm ² |
| Transport weight (rubber tracks) | 7,990 kg | 0.358 kg/cm ² |
| With steel tracks | + 60 kg | 0.360 kg/cm ² |
| Additional counterweight | + 400 kg | 0.4 kg/cm ² |
| With FOPS II protection | + 100 kg | 0.362 kg/cm ² |

| ENGINE

| | |
|----------------|--------------------------------------|
| Type | 4TNV98C-WBV |
| Fuel | Diesel |
| Net Power | 39.3 kilowatts / 53.5 hp / 1,900 rpm |
| Gross Power | 41.5 kilowatts / 56.2 hp / 1,900 rpm |
| Displacement | 3,318 cm ³ |
| Maximum torque | 241 Nm / 1300 rpm |
| Cooling | Liquid |
| Starter | 3 kW |
| Battery | 12 V – 92 Ah |
| Alternator | 12 V - 80 A |

| HYDRAULIC SYSTEM

| | |
|---|----------------|
| Maximum pressure | 255 bar |
| 1 double piston pump with variable flow | 2 x 70.3 l/min |
| 1 piston pump with variable flow | 53.2 l/min |
| 1 gear pump | 19 l/min |

| PTO | Theoretical data at 1900 rpm | |
|---|------------------------------|----------------|
| | Pressure | Oil flow |
|  | 0 ~ 240 bar | 120 ~ 32 l/min |
|  | 0 ~ 240 bar | 120 ~ 32 l/min |



Oil flow decreases as the pressure increases

| PERFORMANCE

| | |
|---------------------------------------|---|
| Travel speed | 2.5 / 4.5 km/h (2.3 / 4.1 km/h with steel tracks) |
| Rotation speed | 9 rpm |
| Digging force (arm) | 40,8 kN (4,160 kgf) / 35,9 kN (3,360 kgf) with long arm |
| Digging force (bucket) | 63.5 kN (6,480 kgf) |
| Traction force | 61 kN |
| Grade ability | 30° |
| Noise level (2000/14/CE & 2005/88/CE) | 73 dB(A) / 98dB(A) (LwA) |

| UNDERCARRIAGE

| | |
|--------------------------|-------------------|
| Number of top rollers | 1 |
| Number of bottom rollers | 5 |
| Track tensioning system | Using grease pump |

| CAPACITIES

| | |
|-------------------|--------|
| Fuel tank | 115 l |
| Coolant | 9.3 l |
| Engine oil | 11.2 l |
| Hydraulic circuit | 112 l |
| Hydraulic tank | 60 l |

MAINTENANCE FREQUENCY

Change engine oil and filter: **250 hours** | Change fuel filter: **500 hours** | Change hydraulic oil filter: **1,000 hours** |
 Change hydraulic oil filter: **1,000 hours** | Change cooling fluid: **1,000 hours** | Clean particulate filter: **3,000 hours** |
 Change particle filter: **9,000 hours**



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