<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating weight</td>
<td>9,100 - 9,500 kg</td>
</tr>
<tr>
<td>Dig depth</td>
<td>4,080 mm</td>
</tr>
<tr>
<td>Engine power</td>
<td>74.4 kW (101 HP)</td>
</tr>
<tr>
<td>Bucket capacity</td>
<td>87 - 348 l</td>
</tr>
<tr>
<td>Digging force (bucket)</td>
<td>42.6 kN</td>
</tr>
<tr>
<td>Digging force (arm)</td>
<td>52.2 kN</td>
</tr>
<tr>
<td>Reach</td>
<td>7.5 - 8.1 m</td>
</tr>
</tbody>
</table>
The partner of your success

HIGH PERFORMANCE
The B95W is very efficient and can perform tasks reserved for machines with higher weight.
Thanks to its enormous lifting capacities and its precise hydraulic system, this 9 tons is capable of transporting and positioning particularly heavy loads on construction sites.
This machine has great advantages for the logistics of materials and is therefore very interesting in construction and especially for the road construction. Equipped with a grab bucket, it allows in horticulture to catch and to load trucks.

ENGINE
Due to the latest EU Stage IV / EPA Tier 4 Final engine generation, the B95W works economically and is environmentally friendly. The B95W is also equipped with an Eco Mode.

SMART CONTROL
Smart Control System increases efficiency. The driver determines the optimum excavator power for different applications. This minimizes losses of energy or time.

EASY MAINTENANCE
The main organs of the machine are accessible very quickly and safely. The wide opening of the covers enables fast daily checks.
COMFORTABLE CABINE

The ergonomically-designed cab provides the operator with an exceptionally comfortable environment that enables a high degree of productivity. From the neatly arranged, clearly structured displays through the generously dimensioned storage compartments to the Soft-Touch interior or the optional Klimatronic – one thing is clear: the workplace is designed for the operator.

EASY TO USE

The B95W is fitted with various equipment which enable precise, comfortable and productive control of the machine: Smart control, Fingertip control and multi-function joysticks offer optimal handling to the operator for a productive workday.

RELIABILITY OF POWERLINE

The components of the powerline are highly efficient and reliable - no need to choose between power and compactness. Yanmar customers can make heavy tasks of construction site in narrow spaces.
POWER AND EFFICIENCY

**IMPROVED POWERLINE**

**THE ENGINE**
The B95W is driven by a EU Stage IV / EPA Tier 4 Final engine. Exhaust gas after-treatment reduces emissions by up to 90%, including nitrogen oxides (NOx), hydrocarbons (HC) and fine dust. This is achieved through an improved combustion and injection system and a diesel oxidation catalyst (DOC). The engine does not need a particulate filter.

**THE REVERSIBLE FAN**
The hydraulically-driven reversible fan is temperature controlled. The cooling capacity automatically adjusts to the cooling requirement. The fan only runs when necessary. This saves fuel and conserves the material. The driver can switch the fan manually if required. The cleaning by reversal takes place either automatically or manually.

**THE AUTOMATIC IDLING**
The auto idling function (optional) saves fuel. If there is no activity, the engine switches to the idling position automatically - hence reducing the fuel consumption.

**AUTOMATIC ENGINE SHUTDOWN**
The switch-off time can be freely selected by the driver (optional).

**FURTHER ADVANTAGES**
+ Articulated joint with wide angle of articulation allows for working closely along walls.

**HYDRAULICS SYSTEM WITH FOUR INDEPENDENT CIRCUITS**
Thanks to the four independent hydraulic circuits, the B95W wheel excavator increases its capacity with attachment tools. The driver can operate a tilt rotator with a hydraulic quick-hitch system and a hydraulically-driven tool, such as a sorting grab, asphalt cutter or cutting unit, for example. The control circuits can be operated at the same time, they do not influence each other.

**STABILITY**
The laterally installed engine stabilizes the machine, especially with a fully extended, offset boom.

**ARTICULATED JOINT**
With wide angle of articulation allows for working closely along walls.

**CYLINDERS**
+ All cylinders have end position damping for low-vibration working.
PERFORMANCE

SPEED
A quick change of construction site or location is possible with speeds of up to 36 km/h. Non-productive transport times are reduced to a minimum.

FURTHER ADVANTAGES
+ Hydrostatic travel drive, independent of the working hydraulics – also functions as an additional brake system.
+ Automatic drive, additional accelerator pedal for delicate machine movements.

UNDERCARRIAGE
The undercarriage combines high terrain mobility with drive power. It can be configured as exactly required due to a wide range of equipment variants.

PENDULUM AXLE
Due to the pendulum axle with a pendulum angle of 11.5°, the wheeled excavator is absolutely stable even on uneven ground.

HYDROSTATIC TRAVEL DRIVE
+ Independent from working hydraulics.
+ Also functions as an additional brake system.

STEERING
Can be equipped with two-wheel steering. Four-wheel steering is optional available.

LEVELING
The optional float function of the dozer blade makes leveling of the ground, the filling processes or cleaning of the construction site easier.
EASE OF USE

SMART CONTROL

Smart Control is an operating system for compact wheel excavators with new engines in the EU Stage IV / EPA Tier 4 Interim and Final class. It has never been easier to match a construction machine precisely to the driver and application. Numerous controls have also been redesigned and rearranged for quicker operation and improved machine monitoring.

What this means for you:
+ Intuitive operation that is easy to set for each individual driver.
+ 1st, 2nd and 3rd electric proportional hydraulic control circuit for operating work attachments.
+ New display design to enable easy machine monitoring
+ Keypad with extra-large keys for easy operation

PRECISE FINGERTIP CONTROL

The Fingertip control allows the operator to regulate the oil flow with real precision, all the way from «zero» to «full».

The electrical proportional activation of hydraulic functions is simple thanks to a thumbwheel on the joystick. A lot of attention has been paid to an outstanding ergonomy to improve operator comfort.

EXEMPLARY MACHINE CONTROL

+ Hydraulic control circuits
Allow fast operation. The flow rate of the control circuits is also adjusted proportionally during continuous operation via a bar chart according to use and attachment tool.
+ Eco mode is switched on with just the touch of a button
+ Air conditioning control
Heating and defrosting can be adjusted exactly to the required conditions, automatic air conditioning is optional.
DISPLAY AND INSTRUMENTS

For a clearer overview and greater convenience - work functions and machine information can be examined at a central position in a glance. The data display appears in a tiled look like a smart phone. The anti-reflective screen with a 7” diagonal is very clearly arranged and is also used as a monitor for the standard reversing camera.

THE KEYPAD

Extra-wide pressure surface make safe operation easy, even when wearing gloves. The optional immobilizer can be operated.

FURTHER ADVANTAGES

+ Optional heated mirrors are available.
MAINTENANCE

EASY ACCESS

A servicebar with the central electrics is integrated in the service compartment. Hence, all relays and fuses are easy to access from the ground. The flap can be opened without tools.

For easier ascent, the ladder in the service flap is extended towards the ground. The flap is provided with rubber buffers; it lies gently on the extended ladder, the materials is conserved.

There are no main hydraulic components mounted under the cab. Tilting of the cab is not required - but possible if necessary.

DIAGNOSTIC PLUG

The diagnostic plug for engine and machine data speeds up maintenance and service through better communication between man and machine.

«Can bus» data are shown on the display.
TAILORED FOR YOUR JOB

TIRE OPTIONS
Low-pressure tires and twin or wide tires are available.

UNDERCARRIAGE
+ Stabilizers
+ Support plate
+ Front dozer blade
**BOOM OPTIONS**

Yanmar provides the right boom system for different applications. The excavation work is carried out in an optimum manner, quickly achieving the required result.

- TPA boom, with standard dipperstick 2 000 mm and long dipperstick 2 200 mm.
- Circular boom, with dipperstick 1 650 mm
- Monobloc boom, offset boom 850 mm, with dipperstick 2 000 mm

**STANDARD ARTICULATED BOOM**

The standard TPA booms are suitable for high-performance digging work, transport and precise positioning of heavy loads – the action radius is designed for the greatest possible working range.

**LONG DIPPERSTICK**

The B95W wheel excavator can achieve an even greater reach on the articulated boom due to an extended dipperstick with 2 200 mm.

**CIRCULAR BOOM**

The circular boom, with its small working envelope, is suitable for construction sites where space is limited.

**THE ATTACHMENT TOOLS**

Excellent versatility thanks to numerous options and attachment tools. Tested and proven in use:

- Light-material bucket
- Standard bucket
- Ditch-cleaning bucket
- Swing bucket
- Hydraulic cutting units
- Ripper tooth
- Adapter for rock breaker
- Loading hook
- Screw-on loading hook
- Mechanical quick-hitch system
- Hydraulic quick-hitch system
- Pallet forks

**DIMENSIONS**

**Fig. 1:** Excavation within the entire width of the machine

**Fig. 2:** Working envelope

**Fig. 3:** Transport position
DIMENSIONS TPA, CIRCULAR, MONOBLOC BOOMS

| A | Overall length | 5700 mm | 6070 mm | 7000 mm | H | Overall blade width | 2460 mm | 2460 mm | 2460 mm |
| A' | Overall length with blade at the back | 6320 mm | 6700 mm | 7630 mm | I | Overall blade height | 500 mm | 500 mm | 500 mm |
| B | Overall height | 2900 mm | 2900 mm | 2900 mm | J | Blade distance | 2030 mm | 2030 mm | 2030 mm |
| C | Overall width | 2460 mm | 2460 mm | 2460 mm | K | Max. blade height above the ground | 485 mm | 485 mm | 485 mm |
| D | Wheel base | 2240 mm | 2240 mm | 2240 mm | L | Max. blade depth | 230 mm | 230 mm | 230 mm |
| E | Undercarriage length | 3180 mm | 3180 mm | 3180 mm | M | Minimum ground clearance | 320 mm | 320 mm | 320 mm |
| F | Lane | 1960 mm | 1960 mm | 1960 mm | N | Ground clearance under counterweight | 1060 mm | 1060 mm | 1060 mm |
| G | Tire width | 496 mm | 496 mm | 496 mm |

| A | Max. digging depth - Blade lifted | 4190 / 4300 mm | 4050 mm | 3890 mm | G | Max. cutting height | 7500 / 7660 mm | 7700 mm | 6070 mm |
| B | Max. digging depth - Blade lowered | 4960 / 4360 mm | 4160 mm | 4080 mm | H | Boom swinging base to left | 53° | 53° | 53° |
| C | Max. digging reach on ground | 7570 / 7550 mm | 7950 mm | 7820 mm | I | Boom swinging base to right | 67° | 67° | 67° |
| D | Max. digging reach | 7570 / 7740 mm | 8100 mm | 7960 mm | J | Arm length | 2000 / 2000 mm | 1650 mm | 2000 mm |
| E | Max vertical wall | 3320 / 33470 mm | 3140 mm | 2980 mm | K | Front turning radius | 3670 mm | 1740 mm | 3790 mm |
| F | Max. dumping height | 5410 / 5580 mm | 5400 mm | 4060 mm | L | Rear turning radius | 1550 mm | 1550 mm | 1550 mm |

*TPA Boom with dipperstick 2350 mm
All values in tons (t) were determined acc. to ISO 10567 and include a stability factor of 1.33 or 87% of the hydraulic lifting capacity. All values were determined with load hook. If a bucket is attached, the difference between bucket weight minus load hook must be deducted from the permissible payloads. When used for load hook applications, excavators must be equipped with hose-restraint valves and overload warning device in compliance with EN 474-5. Working equipment: Two-piece articulated boom, twin tires, dipperstick 2000 mm.
SPECIFICATIONS

[ WEIGHT ]

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating weight (monobloc, TPA boom, circular boom) acc. to ISO 6015.</td>
<td>9 100 – 9 300 – 9 500 kg</td>
</tr>
<tr>
<td>Tread width.</td>
<td>1 960 mm</td>
</tr>
<tr>
<td>Wheelbase.</td>
<td>2 240 mm</td>
</tr>
<tr>
<td>Ground clearance below cardan shaft.</td>
<td>440 mm</td>
</tr>
<tr>
<td>Turning radius.</td>
<td>6 700 mm</td>
</tr>
<tr>
<td>Upper carriage tailswing.</td>
<td>1 550 mm</td>
</tr>
<tr>
<td>Upper carriage frontswing (monobloc, TPA, circular boom).</td>
<td>2 960 mm</td>
</tr>
<tr>
<td>Working envelope 180°.</td>
<td>4 510 mm</td>
</tr>
<tr>
<td>Working envelope 360° (monobloc, TPA, circular boom).</td>
<td>6 090 – 5 920 – 3 340 mm</td>
</tr>
</tbody>
</table>

[ ENGINE ]

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer, model.</td>
<td>Deutz, TCD3.6 LA</td>
</tr>
<tr>
<td>Type.</td>
<td>4-cylinder Turbo diesel engine with intercooler - EU Stage IV / TIER 4 final.</td>
</tr>
<tr>
<td>Combustion.</td>
<td>4-stroke cycle, Common Rail injection</td>
</tr>
<tr>
<td>Displacement.</td>
<td>3 660 cm³</td>
</tr>
<tr>
<td>Net power rating at 2000 rpm (ISO 9249).</td>
<td>74.4 kW (101 HP)</td>
</tr>
<tr>
<td>Torque.</td>
<td>410 Nm at 1 600 rpm</td>
</tr>
<tr>
<td>Cooling system.</td>
<td>Water</td>
</tr>
</tbody>
</table>

[ HYDRAULIC SYSTEM ]

Travel hydraulics: Closed circuit, independent from working hydraulics.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump capacity, max.</td>
<td>112 l/min</td>
</tr>
<tr>
<td>Working pressure, max.</td>
<td>420 bar</td>
</tr>
<tr>
<td>Working hydraulics: Axial-piston variable displacement pump with load sensing, coupled with a load independent flow sharing (LUDV). Simultaneous, independent control of all movements. Sensitive maneuvers irrespective of loads.</td>
<td>max. 142 l/min</td>
</tr>
<tr>
<td>Max. pump capacity.</td>
<td>280 bar</td>
</tr>
<tr>
<td>Working pressure, max.</td>
<td>280 bar</td>
</tr>
</tbody>
</table>

The thermostatically controlled oil circuit ensures that the oil temperature is promptly reached and avoids overheating. Hydraulically driven fan with reversing function. Return filter installed in oil tank allows for eco-friendly replacement of filter elements.

Triple gear pump for all positioning, swing movements and hydrostatic fan.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump capacity, max.</td>
<td>38 + 38 + 38 l/min</td>
</tr>
<tr>
<td>Working pressure, max.</td>
<td>250 bar</td>
</tr>
<tr>
<td>Control circuit for work attachments, proportionally operated.</td>
<td>0 - 120 l/min</td>
</tr>
<tr>
<td>Working pressure, max.</td>
<td>280 bar</td>
</tr>
</tbody>
</table>

Two servo-assisted joystick controls (ISO) for excavator operations.

[ TRANSMISSION ]

Hydrostatic travel drive in closed circuit with automatic adjustment of drawbar pull and speed irrespective of the working hydraulics.

4-wheel drive from reduction gear on front axle via cardan shaft to rear axle. Infinitely variable speed control forward and reverse.

<table>
<thead>
<tr>
<th>Speed Range</th>
<th>Low</th>
<th>0-6 km/h</th>
<th>High</th>
<th>0-20 km/h</th>
<th>Speed Range</th>
<th>Low</th>
<th>0-5 / 0-15 km/h</th>
<th>High</th>
<th>0-11 / 0-36 km</th>
</tr>
</thead>
</table>
EQUIPMENT

[ STANDARD EQUIPMENT ]

CABINE

Spacious, sound-insulated full-vision steel cab (ROPS certified). Sliding window in cab door.
Safety glass windows, thermo windows tinted in green. Skylight thermos window, bronze tinted.
Panoramic rear window.
Front window supported by pneumatic springs, lockable for ventilation and slidable under cab roof. Windshield washer system. Storage compartment.
Preparation for radio installation. Left-hand outside rear-view mirror.
Cab heating with windshield defroster through coolant heat exchanger with continuous fan. Fresh air and recirculating air filters.
Rearview camera.
Operator’s seat MSG 85 (comfort version), hydraulic damping, extra-high backrest, tilt-adjustable armrests, longitudinal–horizontal suspension, mechanical lumbar support. Lap belt.
Instrument panel on the right hand side of the operator’s seat with visual & acoustic warning device, hour-meter and safety module.
Working floodlights Halogen H-3.
Sound power level (LWA) 100 dB (A).
Sound pressure level (LpA) 72 dB (A).
Sound level values measured in compliance with Directive 2000/14/EC and EN474.
Effective values of acceleration for whole body less than 0.5 m/s².
Effective values of acceleration for hand-arm less than 2.5 m/s².

AXLES

Front: Oscillating planetary drive axle, oscillating angle. 11.5°
Rear: Rigid planetary drive axle.

SWING SYSTEM

Hydrostatic drive with 2-stage planetary gear and axial piston fixed displacement motor, also acts as wear-resistant brake.
In addition, automatically controlled spring-loaded multi-disc brake acting as parking brake.
Swing speed. 0-10 rpm

KNICKMATIK®

Lateral parallel adjustment of boom arrangement at full dig depth.
Angle of articulation / lateral adjustment left. 53° / 870 mm
Angle of articulation / lateral adjustment right. 67° / 990 mm

ELECTRICAL SYSTEM

Nominal voltage. 12V
Battery. 12V / 135 Ah
Generator. 14V / 95 Ah
Starter. 112V / 4.0 kW

FLUID CAPACITIES

Fuel tank. 160 l
AdBlue tank. 10 l
Hydraulic system (incl. Tank 60 l). 175 l

BRAKES

Service brake: Hydraulic pump accumulator two-circuit brake, acting on oil-immersed multi-disc brakes of front and rear axle.
Excavator brake: Acting on front and rear axle due to lockable service brake.
Auxiliary brake: Hydrostatic travel drive in closed circuit acting as non-wearing auxiliary brake.
Parking brake: Hydraulic spring-loaded brake, electrically actuated.

TIRES

Standard 8.25–20, 12 PR twin tires.

MAINTENANCE FREQUENCY

| Change engine oil and filter: | 500h or minimum once a year. |
| Change fuel filter: | 1,000h or minimum once a year check at 100 + 500h; every 1,000h or minimum every 2 years. |
| Change hydraulic oil: | first after 100h, then follow the instructions at display. |
| Change hydraulic oil filter: | if needed or minimum every 2 years. |
| Change cooling fluid: | |

14
[ OPTIONAL EQUIPMENT ]

BOOM OPTIONS
TPA boom, with dipperstick 2200 mm | Circular boom, with dipperstick 1650 mm | Monobloc boom, offset boom 850 mm, with dipperstick 2000 mm.

TIRES
365/70 R 18 MPT E-70 Conti (single tires) | 500/45-20 (single wide tires).

HYDRAULIC SYSTEM
Hydraulic installation for quick-hitch system | Biodegradable hydraulic oil / ester-based HLP 68 (Panolin) | Float position - dozer blade | Fingertip control incl. second additional control circuit on left joystick | Fingertip control incl. third additional control circuit on left joystick | Switchover from ISO controls to SAE controls | Bucket control change-over (in case of forklift operation) | Hose-rupture / load-retaining valves for bucket | Bypass filter.

OPERATOR’S STAND
Operator’s seat MSG 95 (premium version), air damping, extra-high backrest and tilt-adjustable armrests, longitudinal/horizontal suspension, seat and backrest heating, pneumatically lumbar support | Klimatronic | Thermoelectric cooler box.

ENGINE
Diesel particulate filter (DPF) | Automatic idling system.

CABINE
Lighting package : 1 double beam working floodlight - cab-mounted rear center, 1 working floodlight cab-mounted - front right | FOPS - skylight guard | Sliding window on right-hand side | Yellow beacon | Radio set installation kit.

OPTIONAL SUPPORT / DOZER SYSTEMS
Rear support blade, 2460 mm wide (with twin and wide tires) | Rear support blade, 2290 mm wide (with single tires) | Outrigger plates, flat, oscillating | Outrigger plates, rubber-coated, oscillating | Front dozer blade, 2460 mm wide (twin tires) or 2290 mm wide (single tires).

OTHER OPTIONAL EQUIPMENT
Four-wheel steering switchable from four-wheel to crab steering | Steering change-over in case of blade operation | Working floodlight boom-mounted, left or right | Working floodlight, LED-type | Quick-hitch system, mechanical, type MS08 | Quick-hitch system, hydraulical, type HS08 | Anti-theft device (immobilizer) | Approval package for high-speed version | Additional tool box | Engine-independent diesel heater with fresh air circulation and timer | Additional rear weight, 365 kg.

[ WORK ATTACHMENTS ]

BUCKETS
Bucket, QAS, light material, without teeth 300 mm wide, capacity 87 l | Bucket, QAS, light material, without teeth 400 mm wide, capacity 127 l | Bucket, QAS, light material, without teeth 600 mm wide, capacity 169 l | Bucket, QAS 300 mm wide, capacity 87 l | Bucket, QAS 400 mm wide, capacity 127 l | Bucket, QAS 600 mm wide, capacity 212 l | Bucket, QAS 800 mm wide, capacity 305 l | Bucket, QAS 900 mm wide, capacity 348 l | Ditch-cleaning bucket, QAS 1250 mm wide, capacity 251 l | Ditch-cleaning bucket, QAS 1500 mm wide, capacity 305 l | Swing bucket, QAS 1500 mm wide, capacity 305 l.

OTHER WORK ATTACHMENTS
Ripper tooth / QAS (1 tooth) | Auger | Hydraulic hammer | Quick-hitch adapter for hydraulic hammer | Rototilt R3 | Bolt-on loading hook for bucket rod | Fork carrier, 1240 mm wide | Forks, 1100 mm long, 100 x 45 mm | Further work attachments available on request.