

SPECIFICATIONS

[ENGINE]

Manufacturer, model	Deutz, TCD 2.9 L4
Type	Turbo diesel engine with intercooler, exhaust-gas optimized EU Stage III B, EPA TIER IV final
Combustion	4-stroke cycle, Common Rail injection
Displacement	2 900 cm ³
Net power rating at 2,200 rpm (ISO 14396)	55,4 kW (75 PS)
Max. torque	300 Nm at 1 600 rpm
Cooling system	Water

[ELECTRICAL SYSTEM]

Nominal voltage	12 V
Battery	12 V / 105 Ah
Generator	14 V / 95 Ah
Starter	12 V / 2,6 kW (3,5 CV)
Cold-starting aid	Glow plugs 12 V

[TRANSMISSION]

Hydrostatic travel drive with planetary reduction gears on sprocket drives. Multi-disc brake acting as parking brake, automatically bled. 2-stage variable displacement motor, full power shift	
2 speed ranges: Travel speed, forward and reverse	0-2,7 / 5,4 km/h
Gradeability	60 %
Drawbar pull 1st / 2 nd speed range	6 579 / 3 282 daN

[UNDERCARRIAGE]

Maintenance-friendly B1 track-type undercarriage with triple grouser plates or rubber crawlers. Idler suspension with hydraulic crawler-chain tensioning.	
Width rubber crawlers / steel crawlers	450 / max. 600 mm
Total length (sprocket - idler)	2 200 / 2 250 mm
Total length (undercarriage)	2 850 mm

[SWING SYSTEM]

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

Swing speed 0-11 min⁻¹

[KNICKMATIK®]

Lateral parallel adjustment of boom arrangement at full dig depth.

Angle of articulation / lateral adjustment left	56° / 650 mm
Angle of articulation / lateral adjustment right	61° / 990 mm

[FLUID CAPACITIES]

Fuel tank	130 l
Hydraulic system (incl. tank)	140 l

[OPERATING DATA, STANDARD EQUIPMENT]

Operating weight (circular boom) acc. to ISO 6016	8 600 kg
Undercarriage (steel crawlers)	500 mm +250 kg
Transport dimensions: monobloc boom / circular boom (L x H)	5 960 x 2 600 mm
Total width with dozer blade	2 330 mm
Total height (top of cab)	2 600 mm
Ground clearance	410 mm
Reach max. (circular boom)	7 720 mm
Digging depth max. (circular boom)	4 520 / 3 910 mm
Uppercarriage tailswing	1 510 mm
Uppercarriage frontswing (circular boom)	2 420 / 1 765 mm
Working envelope 180° (circular boom)	3 930 / 3 275 mm
Working envelope 360° (circular boom)	4 840 / 3 530 mm
Digging force (arm) acc. to ISO 6015	46,2 kN
Specific ground pressure, rubber crawlers	0,37 daN / cm ²
Specific ground pressure, steel crawlers	0,38 daN / cm ²

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[HYDRAULIC SYSTEM]

Working hydraulics: Axial-piston variable displacement pump with load sensing, coupled with a load-independent flow distribution (LUDV).

Simultaneous, independent control of all movements. Sensitive maneuvers irrespective of loads.

Max. pump capacity 156 l / min

Working pressure, max. 280 bar

The thermostatically controlled oil circuit ensures that the oil temperature is promptly reached and avoids overheating.

Return filter installed in oil tank allows for eco-friendly replacement of filter elements.

Gear pump for all positioning and swing movements. Pressure cut-off valve for sensitive and energysaving swing movements.

Max. pump capacity 68 l / min

Working pressure, max. 230 bar

Control circuit for work attachments: 100 l/min

Working pressure, max. 280 bar

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

[CAB]

Spacious, sound-insulated full-vision steel cab (ROPS certified). Sliding window in cab door. Safety glass windows, thermo windows tinted in green. Skylight thermo window, bronze tinted.

Panoramic rear window. Front window supported by pneumatic springs, slidable under cab roof. Ventilation position by tilting the front window. Windshield washer system.

Storage compartment. Preparation for radio installation. Left-hand outside rear-view mirror.

Cab heating with front window defroster by coolant heat exchanger with stepless fan.

Fresh air and recirculating air filters.

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 level values in compliance with EC-directives.

*FOPS-approved only with skylight guard (optional)

[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 buckets, swinging buckets, backhoe bucket, hydraulic hammer...



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[OPTIONAL EQUIPMENT]

BOOM OPTIONS

Monobloc boom, with dipperstick 2000 mm

CRAWLER CHAIN OPTIONS

Rubber crawler track, 450 mm wide | Steel crawler track, up to 600 mm wide | Rubber-coated steel crawler chain 'Roadliner', 450 mm wide.

OPTIONAL SUPPORT/DOZER SYSTEMS

Front dozer blade, 2480 mm wide | Front dozer blade, extra-long version

HYDRAULIC SYSTEM

Second control circuit (e.g. for sorting grab) | Biodegradable hydraulic oil / ester-based HLP 68 (Panolin) | Open return Float position dozer blade | Fingertip' control incl. second additional control circuit on left joystick | Fingertip' control incl. third additional control circuit on left joystick | Excavator control changeover: ISO-SAE

DIESEL ENGINE

Diesel particulate filter | Automatic idle

CAB

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

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, pneumatic lumbar support | Klimatronic Thermoelectric cooler

OTHER OPTIONAL EQUIPMENT

Anti-theft device (immobilizer) | Quick-attach system, mechanical, type MS08 | Quick-attach system, hydraulic, type HS08 | Hydraulic installation for quick-attach system Electrical refueling pump | Additional rear weight, 229 kg Engine-independent diesel heater with fresh air circulation and timer | Special coating / adhesive films | Further optional equipment available on request



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GB_SV85-2PB_0317