• Engine output SAE J1995: gross 96 kW (130 hp)
  ISO 9249, SAE J1349: net 91 kW (124 hp)

• Operating weight: 10,9–12,2 t
  24,000–26,900 lb

• Bucket volume: 1,6–5,0 m³
  2,1–6,5 yd³

• Volvo high-performance, low-emission engine
  – Excellent low rpm performance
  – Meets all known exhaust emission regulations for offroad vehicles

• Volvo transmission with APS II
  – 2nd generation Automatic Power Shift with mode selector
  – Optimizes performance

• Wet disc brakes
  – Fully sealed, oil-circulation cooled, outboard mounted

• Torque Parallel Linkage
  – High breakout torque throughout the working range
  – Excellent parallel lift-arm action

• Care Cab II
  – Pressurized cab with high comfort and safety

• Contronic II monitoring system

• Load-sensing working hydraulics and steering system

• Pilot-operated working hydraulics

Optional equipment
• Power take-off for hydraulically powered attachments
• Hydraulic attachment bracket
• Boom Suspension System
• Comfort Drive Control

Other options, see back page
**SERVICE**

The Conronic II monitoring system provides information on machine condition, routine maintenance schedules and minimizes time required for troubleshooting.

**Service accessibility:** Large, easy-to-open engine access doors with gas struts. Swing-out radiator grille and radiator.

Refuel capacities... l  US gal
Fuel tank ............ 190  50.2
Engine coolant... 40  10.6
Hydraulic tank.... 65  17.2

**ENGINE**

The engine offers high torque and quick response at low rpm also under full load. The machine operates at low engine speeds, which contributes to good fuel economy, less noise, less wear and longer life.

**Engine:** High performance, low emission 6-cylinder, in-line, direct-injected, turbocharged, intercooled 4-stroke diesel engine with wet replaceable cylinder liners.

**Air cleaning:** three-stage.

- Engine Volvo TD 63 KGE
- Max power at SAE J1995 gross: 35 rfs 2100 r/min
- ISO 9249, SAE J1349 net: 91 kW 124 hp
- With optional noise reduction kit EU2002: 93 kW 126 hp
- Rated power at SAE J1995 gross: 38.6 rfs 2200 r/min
- ISO 9249, SAE J1349 net: 89 kW 122 hp
- With optional Noise reduction kit EU 2002: 92 kW 125 hp
- Max. torque at SAE J1995 gross: 18.3 Nm 130 hp
- ISO 9249, SAE J1349 net: 595 Nm 439 lbf ft
- Displacement: 5,481 334 in³

**ELECTRICAL SYSTEM**

Conronic II monitoring system with increased function control and capability to store data for analysis. Electrical system with circuit boards, well protected by fuses. The system is pre-wired for installation of optional equipment.

**Central warning system:** Central warning light for the following functions (buzzer with gear engaged): Engine oil pressure, transmission oil temperature, brake pressure, parking brake applied, steering system pressure, coolant temperature, transmission oil temperature, hydraulic oil temperature, overspeeding in engaged gear, computer malfunction.

- Voltage: 24 V
- Batteries: 2x12 V
- Battery capacity: 2x105 Ah
- Cold cranking capacity, ea: 690 A
- Reserve capacity, ea: 185 min
- Alternator rating: 1 680 W / 60 A
- Starter-motor output: 5,4 kW 7.3 hp

**DRIVETRAIN**

The drivetrain and working hydraulics are well-matched to each other and of reliable design. Quick acceleration boosts productivity, Volvo system-compatible design facilitates servicing.

**Torque converter:** Single-stage

**Transmission:** Volvo Countershaft-type transmission with single-lever control. Fast and smooth directional and speed shifting.

**Shifting system:** Volvo Automatic Power Shift (APS) II with mode selector.

**Axles:** Volvo axles, fully floating with shafts and planetary-type hub reductions. Cast-steel axle housing, fixed front axle and oscillating rear axle. 100% differential lock on front axle.

**BRAKE SYSTEM**

A simple and reliable brake system that ensures high availability and safety. Self-adjusting oil circulation-cooled wet disc brakes give long service intervals.

**Service brakes:** Volvo, dual-circuit system with nitrogen-charged accumulators. Fully hydraulically operated, enclosed, internal oil-circulation cooled disc brakes. Transmission declutch during braking can be preselected by a switch on the instrument panel. Brake performance test included in the Conronic II system.

**Parking brake:** Mechanically operated drum brake on front axle input shaft. Electro-hydraulically operated (option).

**Secondary brake:** Either the service brake circuits or the parking brake fulfills the safety requirements.

**Standards:** The brake system complies with the requirements of ISO 3450, SAE J1473.

- Number of discs/wheel: 1
- Number of accumulators: 3
- Volume, each: 0.5 l 30.5 in³
### OPERATIONAL DATA, VOLVO L70D**

<table>
<thead>
<tr>
<th>Tires 20.5 R25</th>
<th>GENERAL PURPOSE</th>
<th>GRADING</th>
<th>LIGHT MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Bolt-on edge</td>
<td>Bolt-on edge</td>
<td>Bolt-on edge</td>
</tr>
<tr>
<td>Volume, heaped ISO/SAE m³</td>
<td>1.9</td>
<td>1.9</td>
<td>1.7</td>
</tr>
<tr>
<td>Volume at 110% fill factor yd³</td>
<td>2.5</td>
<td>2.5</td>
<td>2.2</td>
</tr>
<tr>
<td>at 35° turn lb</td>
<td>19,250</td>
<td>18,210</td>
<td>18,440</td>
</tr>
<tr>
<td>at full turn lb</td>
<td>17,220</td>
<td>16,250</td>
<td>17,420</td>
</tr>
<tr>
<td>Breakout force kN</td>
<td>86.9</td>
<td>79.4</td>
<td>92.5</td>
</tr>
<tr>
<td>A ft in</td>
<td>234&quot;</td>
<td>239&quot;</td>
<td>241&quot;</td>
</tr>
<tr>
<td>E ft in</td>
<td>33&quot;</td>
<td>37&quot;</td>
<td>30&quot;</td>
</tr>
<tr>
<td>H *) ft in</td>
<td>2880</td>
<td>2820</td>
<td>2830</td>
</tr>
<tr>
<td>L ft in</td>
<td>96&quot;</td>
<td>93&quot;</td>
<td>92&quot;</td>
</tr>
<tr>
<td>M *) ft in</td>
<td>960</td>
<td>810</td>
<td>910</td>
</tr>
<tr>
<td>N *) ft in</td>
<td>54&quot;</td>
<td>52&quot;</td>
<td>50&quot;</td>
</tr>
<tr>
<td>V ft in</td>
<td>82&quot;</td>
<td>82&quot;</td>
<td>82&quot;</td>
</tr>
<tr>
<td>a, clearance circle mm</td>
<td>11,130</td>
<td>11,170</td>
<td>11,100</td>
</tr>
<tr>
<td>Operating weight lb</td>
<td>24,980</td>
<td>24,510</td>
<td>24,690</td>
</tr>
</tbody>
</table>

*) at 45° dump angle **) attachment data applies only to original Volvo attachments

### BUCKET SELECTION CHART

The choice of bucket is determined by the density of the material and the expected bucket fill factor. The actual bucket volume is often larger than the rated capacity, due to the TP linkage features: • Open bucket design. • Very good roll back in positions. • Good bucket fill performance.

Example: Sand and gravel. Fill factor ~ 105%. Density 2685 lb/yd³. Result: The 2.3 yd³ bucket carries 2.4 yd³. For optimum stability, always consult the bucket selection chart.

<table>
<thead>
<tr>
<th>Material</th>
<th>Bucket fill %</th>
<th>Material density lb/yd³</th>
<th>ISO/SAE bucket volume m³</th>
<th>Actual volume yd³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Earth/Clay ~ 110</td>
<td>-1.8</td>
<td>-3035</td>
<td>1.6 2.1</td>
<td>-1.8 -2.3</td>
</tr>
<tr>
<td>Sand/Gravel ~ 105</td>
<td>-1.9</td>
<td>-2685</td>
<td>1.8 2.3</td>
<td>-2.0 -2.6</td>
</tr>
<tr>
<td>Aggregate ~ 100</td>
<td>-1.9</td>
<td>-2685</td>
<td>1.8 2.3</td>
<td>-1.7 -2.2</td>
</tr>
<tr>
<td>Rock ≤ 100</td>
<td>-1.7</td>
<td>-2865</td>
<td>1.6 2.1</td>
<td>-1.6 -2.1</td>
</tr>
</tbody>
</table>

The size of rock buckets is designed for optimal penetration and filling capability rather than the density of the material.

### SUPPLEMENTAL OPERATING DATA

| Tires No additional counterweight available Width over tires mm in 17.5 R25* L2 17.5-25* L3 Add extended fenders Ground clearance mm in -60 -2.4 -25 1.0 2000 440 Operating weight kg lb -330 730 +160 355 +200 440 Tipping load, full turn kg lb -190 420 +80 175 +245 540 |
OPERATIONAL DATA & DIMENSIONS

Where applicable, specifications and dimensions are in accordance with ISO 7131, SAE J732, ISO 7546, SAE J742, ISO 5998, SAE J818, and ISO 8313.

MATERIAL HANDLING ARM (Hook on)

Tires: 20.5 R25" L2

<table>
<thead>
<tr>
<th>Letter</th>
<th>Measurement</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1 820 kg</td>
<td>3572 lb</td>
</tr>
<tr>
<td>B</td>
<td>1 280 kg</td>
<td>2822 lb</td>
</tr>
<tr>
<td>C</td>
<td>1 050 kg</td>
<td>2315 lb</td>
</tr>
<tr>
<td>D</td>
<td>2 510 mm</td>
<td>8’3”</td>
</tr>
<tr>
<td>E</td>
<td>1 940 mm</td>
<td>6’4”</td>
</tr>
<tr>
<td>F</td>
<td>1 410 mm</td>
<td>4’8”</td>
</tr>
<tr>
<td>G</td>
<td>3 260 mm</td>
<td>10’8”</td>
</tr>
<tr>
<td>H</td>
<td>4 300 mm</td>
<td>14’11”</td>
</tr>
<tr>
<td>I</td>
<td>5 430 mm</td>
<td>17’10”</td>
</tr>
<tr>
<td>J</td>
<td>1 020 mm</td>
<td>3’4”</td>
</tr>
<tr>
<td>K</td>
<td>1 370 mm</td>
<td>4’6”</td>
</tr>
<tr>
<td>L</td>
<td>1 760 mm</td>
<td>5’9”</td>
</tr>
<tr>
<td>M</td>
<td>2 190 mm</td>
<td>7’2”</td>
</tr>
<tr>
<td>N</td>
<td>3 170 mm</td>
<td>10’5”</td>
</tr>
<tr>
<td>O</td>
<td>4 230 mm</td>
<td>13’11”</td>
</tr>
<tr>
<td>P</td>
<td>1 500 mm</td>
<td>4’11”</td>
</tr>
<tr>
<td>Q</td>
<td>5 320 mm</td>
<td>17’5”</td>
</tr>
<tr>
<td>R</td>
<td>6 210 mm</td>
<td>20’4”</td>
</tr>
<tr>
<td>S</td>
<td>7 190 mm</td>
<td>23’7”</td>
</tr>
</tbody>
</table>

Order No: 92007
Operating weight: 11 200 kg (24,700 lb)
Max rollback position
Max dump position

PALLET FORK (Hook on)

Tires: 20.5 R25" L2

<table>
<thead>
<tr>
<th>Letter</th>
<th>Measurement</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>840 mm</td>
<td>2’9”</td>
</tr>
<tr>
<td>B</td>
<td>1 560 mm</td>
<td>5’1”</td>
</tr>
<tr>
<td>C</td>
<td>80 mm</td>
<td>0’3”</td>
</tr>
<tr>
<td>D</td>
<td>1 830 mm</td>
<td>6’0”</td>
</tr>
<tr>
<td>E</td>
<td>3 730 mm</td>
<td>12’3”</td>
</tr>
<tr>
<td>F</td>
<td>870 mm</td>
<td>2’2”</td>
</tr>
</tbody>
</table>

Fork tine order no. (R/L): 93525/93526
Length: 1 200 mm 3’11”
Fork frame order no: 80041
Width: 1 500 mm 4’11”
Rated operating load*: 4 290 kg 9,460 lb
at load center distance: 600 mm 2’0”
Operating weight: 11 250 kg 24,800 lb
Incl. optional counterweight

* acc. std EN 474-3, firm and level ground
**STEERING SYSTEM**

Low effort steering provides fast work cycle times. Power-efficient system provides good fuel economy, good directional stability and smooth ride.

Steering system: Load-sensing hydrostatic articulated steering.

System supply: The steering system has priority feed from a load-sensing axial piston pump.

Pump: Double variable-flow axial piston pump.

Cylinders: Two double-acting cylinders.

<table>
<thead>
<tr>
<th>Steering cylinders</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bore</td>
<td>63 mm 2.48 in</td>
</tr>
<tr>
<td>Piston rod diameter</td>
<td>40 mm 1.57 in</td>
</tr>
<tr>
<td>Stroke</td>
<td>370 mm 14.57 in</td>
</tr>
<tr>
<td>Relief pressure</td>
<td>21 MPa 3046 psi</td>
</tr>
<tr>
<td>Max. flow</td>
<td>80 l/min 21.13 US gpm</td>
</tr>
<tr>
<td>Articulation</td>
<td>±40°</td>
</tr>
</tbody>
</table>

**HYDRAULIC SYSTEM**

The Load-Sensing hydraulic system delivers the exact amount of oil required for the function used. At the same time, complete control of the hydraulics is achieved throughout the entire lifting range. The high capacity of the pumps results in quick and smooth movements.

System supply: One load-sensing double axial piston pump with variable displacement. The steering function always has priority.

Valves: Double-acting 2-spool valve. The main valve is controlled by a 2-spool pilot valve.

Lift function: The valve has four positions: raise, hold, lower and float position. Inductive/magnetic automatic boom kickout can be switched on and off and is adjustable to any position between maximum reach and full lifting height.

Tilt function: The valve has three functions: rollback, hold and dump. Inductive/magnetic automatic bucket positioner, can be switched on and off.

Cylinders: Double-acting cylinders for all functions.

Filter: Full-flow filtration through 20 micron (absolute) filter cartridge.

**CAB**

Care Cab II with easy entry and wide door opening. Inside of cab lined with noise-absorbent materials. Sound and vibration suppressing suspension. Good all-round visibility through large glass areas. Curved front windshield of green-tinted glass. Ergonomically positioned controls and instruments permit a comfortable operating position.

Instrumentation: All important information is centrally located in the operator’s field of vision. Center console display for Contronic II monitoring system.

Heater and defroster: Heating element with filtered fresh air and fan with four speeds. Defroster vents for all window areas.

Operator’s seat: Operator’s seat with adjustable suspension and retractable seatbelt. The seat is mounted on a bracket on the rear cab wall. The forces from the retractable seatbelt are absorbed by the seat rails. Meets ISO/DIS 7096–1997.

Standard: Tested and approved according to the following standards: ROPS (ISO/CD 3471, SAE J1040), FOPS (ISO 3449, SAE J231). Complies with “Overhead guards for rider lift trucks” (ISO 6055) and “Operator Restrain System” (SAE J386).

<table>
<thead>
<tr>
<th>Emergency exits</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sound level in cab ISO 6396</td>
<td>71 dB (A)</td>
</tr>
<tr>
<td>External sound level</td>
<td></td>
</tr>
<tr>
<td>According to ISO 6395</td>
<td>LwA 106 dB (A)</td>
</tr>
<tr>
<td>According to EU 2002 requirements</td>
<td>LwA 104 dB (A)</td>
</tr>
<tr>
<td>According to Blue Angel</td>
<td>LwA 101 dB (A)</td>
</tr>
<tr>
<td>Ventilation</td>
<td>9 m³/min 318 ft³/min</td>
</tr>
<tr>
<td>Heating capacity</td>
<td>11 kW 37,500 Btu/h</td>
</tr>
<tr>
<td>Air conditioning (optional)</td>
<td>8 kW 27,300 Btu/h</td>
</tr>
</tbody>
</table>

**LIFT-ARM SYSTEM**

The TP Linkage combines high breakout torque throughout the working range with parallel lift-arm action. These features together with high lift height and long reach make the lift-arm system equally as good in bucket loading as in work with fork attachments and material handling arms.

<table>
<thead>
<tr>
<th>Lift cylinder</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bore</td>
<td>100 mm 3.9 in</td>
</tr>
<tr>
<td>Piston rod diameter</td>
<td>70 mm 2.8 in</td>
</tr>
<tr>
<td>Stroke</td>
<td>734 mm 28.9 in</td>
</tr>
<tr>
<td>Tilt cylinder</td>
<td>1</td>
</tr>
<tr>
<td>Bore</td>
<td>150 mm 5.9 in</td>
</tr>
<tr>
<td>Piston rod diameter</td>
<td>80 mm 3.1 in</td>
</tr>
<tr>
<td>Stroke</td>
<td>440 mm 17.3 in</td>
</tr>
</tbody>
</table>
**STANDARD EQUIPMENT**

<table>
<thead>
<tr>
<th>Engine</th>
<th>Contrain II Monitoring System, ECU with log and analysis system</th>
</tr>
</thead>
<tbody>
<tr>
<td>High performance, low emission Volvo TD 63 KDE</td>
<td>Contrain II display</td>
</tr>
<tr>
<td>Dual fuel filters</td>
<td>Engine shutdown to idle</td>
</tr>
<tr>
<td>Cold starting aid</td>
<td>High engine coolant temperature</td>
</tr>
<tr>
<td>Air cleaner, dry type, dual element, exhaust-aspirated precleaner</td>
<td>Low engine oil pressure</td>
</tr>
<tr>
<td>Coolant level, sight gauge</td>
<td>High transmission oil temperature</td>
</tr>
<tr>
<td>Muffler, spark arresting</td>
<td>Neutral start feature</td>
</tr>
<tr>
<td>Coolant filter</td>
<td>Brake performance test function</td>
</tr>
<tr>
<td>Fan guard</td>
<td>Test function for warning and indicator lights</td>
</tr>
<tr>
<td>Primary fuel filter with water separator</td>
<td>- Alternator malfunction</td>
</tr>
</tbody>
</table>

**Electrical System**

24 V – prewired for optional accessories

- Alternator, 24 V, 60 A
- Battery disconnect switch
- Gauges:
  - Fuel gauge
  - Engine coolant temperature gauge
  - Transmission oil temperature gauge
  - Hour meter
- Horn, electric
- Instrument panel with symbols
  - Lights:
    - Driving (2-front), halogen head lights with high/low beam
    - Parking lights
    - Stop/taillight combination (2 rear)
    - Turn signals with separate hazard warning switch
    - Halogen working lights (2 front/2 rear)
    - Instrument lighting
    - Reverse alarm (SAE J994)

**Contrain II Monitoring System, ECU with log and analysis system**

- Contrain II display
- Engine shutdown to idle
- High engine coolant temperature
- Low engine oil pressure
- High transmission oil temperature
- Neutral start feature
- Brake performance test function
- Test function for warning and indicator lights
- Warning and indicator lights:
  - Alternator malfunction
  - Oil pressure, engine
  - Oil pressure, transmission
  - Brake pressure
  - Parking brake applied
  - Hydraulic oil level
  - Hydraulic oil temperature
  - Axle oil temperature
  - Primary steering
  - High beams
  - Turn signals
  - Rotating beacon
  - Preheating coil
  - Differential lock (front axle)
  - Coolant temperature
  - Transmission oil temperature
  - Brake charging
  - Air cleaner restriction
  - Hydraulic oil level
  - High speed/low
  - Overspeed engine

**Brake System**

Wet, internal oil-circulation cooled, outboard-mounted disc brakes, 4-wheel, dual circuit brake system

- Secondary brake system, accumulator supplied
- Parking brake

**Cab**

- ROPS (SAE J1040) (ISO 3471), FOPS (SAE J231) (ISO 3449)
- Acoustical lining
- Ash tray
- Cigarette lighter
- Cabin access steps and handrails
- Dual service brake pedals
- Door lockable (left side)
- Heater/defroster/pressurizer with four speed blower fan
- Filtered air
- Floor mat
- Dome light
- 2 interior rearview mirrors
- 2 exterior rearview mirrors
- Operable window, right-hand side
- Steering wheel, adjustable tilt and telescopic, adjustable lever console
- Tinted safety glass
- Retractable seat belt (SAE J386)
- Ergonomically designed operator's seat with adjustable suspension
- Storage compartment
- Sun visor
- Beverage holder
- Windshield wiper, front and rear
- Intermittent wiper, front
- Windshield washer, front and rear

**Hydraulic System**

- Main valve, 2-spool, pilot-operated
- Pilot valve, 2-spool
- Boom-lowering, stopped engine
- Dual axial piston pump
- Hydraulic control lever safety latch
- Hydraulic pressure test ports, quick connect
- Hydraulic fluid level, sight gauge
- Hydraulic oil cooler
- Bucket leveling, automatic with position indicator, adjustable
- Boom lever detents
- Boom kickout, automatic, adjustable
- Hydraulic pressure test port, quick connect

**External Equipment**

- Attachment bracket, hydraulic, with separate locking system
- Isolation mounts: cab, engine, transmission, radiator
- Lifting and tie-down lugs
- Side panels, engine hood
- Steering frame lock
- Vandalism lock, provision for: batteries, engine oil
- Drawbar hitch
- Fenders front/rear
- Fuel filler strainer

**OPTIONAL EQUIPMENT (Standard in certain markets)**

<table>
<thead>
<tr>
<th>Service and Maintenance</th>
<th>Tool box</th>
<th>Automatic lube system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine</td>
<td>Coolant pre-heater (120 V/750 W) or (240 V/750 W)</td>
<td>Pre-cleaner, oil bath type</td>
</tr>
<tr>
<td></td>
<td>Pre-cleaner, turbo type</td>
<td>Electrical System</td>
</tr>
<tr>
<td></td>
<td>Alternator 100 A</td>
<td>Working lights front, extra</td>
</tr>
<tr>
<td></td>
<td>Working lights rear, extra</td>
<td>Rotating beacon, amber with collapsible mount</td>
</tr>
<tr>
<td>Drivetrain</td>
<td>Transmission, 8-speed</td>
<td>Limited slip differential, rear</td>
</tr>
<tr>
<td></td>
<td>Limited slip differential, front and rear</td>
<td>Cab</td>
</tr>
<tr>
<td></td>
<td>Installation kit for radio</td>
<td>AM/FM radio with tape deck</td>
</tr>
<tr>
<td></td>
<td>Heated operator seat</td>
<td>Armrest, left side</td>
</tr>
<tr>
<td></td>
<td>Seat belt, 3 in, extended length</td>
<td>Sliding window, right side</td>
</tr>
<tr>
<td></td>
<td>Hand throttle</td>
<td>Air suspended operator's seat</td>
</tr>
<tr>
<td></td>
<td>Air conditioner</td>
<td>Noise reduction kit, cab</td>
</tr>
<tr>
<td></td>
<td>Parking brake alarm</td>
<td>Open ROPS version</td>
</tr>
<tr>
<td></td>
<td>Sun blind</td>
<td>Ventilation filter for asbestos environment</td>
</tr>
<tr>
<td></td>
<td>Hydraulic System</td>
<td>Hydraulic control, 3rd function</td>
</tr>
<tr>
<td></td>
<td>Hydraulic control, 4th function</td>
<td>Hydraulic controls, 5th/6th function</td>
</tr>
<tr>
<td></td>
<td>Hydraulic power take off, heavy duty</td>
<td>Hydraulic single-acting lifting function</td>
</tr>
<tr>
<td></td>
<td>Hydraulic Suspension System</td>
<td>Biodegradable hydraulic fluid</td>
</tr>
<tr>
<td></td>
<td>Biodegradable hydraulic fluid</td>
<td>Lever detent 3rd function</td>
</tr>
<tr>
<td></td>
<td>Artic kit</td>
<td>Single lever control</td>
</tr>
</tbody>
</table>

**External Equipment**

- Fenders, axle-mounted rear
- Fender wideners

**Other Equipment**

- Comfort Drive Control (CDC)
- Slow moving vehicle sign
- Secondary steering
- Electro-hydraulically operated parking brake

**Tires**

- 20.5-25, 20.5R25*, 555/70R25

**Protective Equipment**

- Guards for:
  - Headlights
  - Rear working lights
  - Rear lights
  - Windshield
  - Air cleaner restriction
- Cover plate under cab
- Belly guards, front and rear

**Attachments**

- Buckets:
  - Straight with/without teeth
  - Spade nose with/without teeth
  - High tip
  - Light material
- Three piece, reversible bolt-on cutting edge
- Bolt-on and weld-on bucket teeth
- Log grapples
- Fork equipment
- Material handling arm
- Diagonal snow blade
- Broom
- Attachment rib kit

*Under our policy of continuous product improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.*

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