### Optional Equipment

- **Additional counterweight** (500 kg, 1,100 lb)
- **Alternator, 60A**
- **Arm, 3000 mm (9'10")**
- **Arm, 2100 mm (6'11")**
- **Blade assembly (Bolt-on cutting edge type)**
- **Blade assembly (Welded cutting edge type)**
- **Hydraulic control unit**
- **Additional actuator**
- **Track frame undercover**
- **Travel motor (Increased drawbar pull type)**
- **Rear view monitoring system**
- **Shoes**
  - 600 mm (24") triple grouser
  - 700 mm (28") triple grouser
  - 500 mm (20") rubber pad (road liner)
- **Blade assembly**
  - Bolt-on cutting edge type
  - Welded cutting edge type
- **Alternator, 60A**
- **Arm, 3000 mm (9'10")**
- **Arm, 2100 mm (6'11")**

### Lifting Capacity

#### Equipment:
- **Boom**: 4.6 m (15'1")
- **Bucket**: 0.50 m³ (0.65 yd³)
- **Counterweight**: 3250 kg (7,160 lb)

#### Lifting Capacity Table

<table>
<thead>
<tr>
<th>PC138US-8 Shoe: 500 mm</th>
<th>20&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arm: 3.0 m (9'10&quot;)</td>
<td></td>
</tr>
<tr>
<td>Max</td>
<td></td>
</tr>
<tr>
<td>A: Reach from swing circle</td>
<td></td>
</tr>
<tr>
<td>B: Bucket hook height</td>
<td></td>
</tr>
<tr>
<td>C: Lifting capacity</td>
<td></td>
</tr>
<tr>
<td>Cf: Rating over front</td>
<td></td>
</tr>
<tr>
<td>Cs: Rating over side</td>
<td></td>
</tr>
<tr>
<td>†: Rating at maximum reach</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3.0 m (9'10&quot;)</th>
<th>20'</th>
<th>Max</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Cf</th>
<th>Cs</th>
</tr>
</thead>
<tbody>
<tr>
<td>*12730</td>
<td>3060</td>
<td>*1880</td>
<td>3950</td>
<td>4040</td>
<td>*4800</td>
<td>3.0 m (9'10&quot;)</td>
<td>20'</td>
</tr>
<tr>
<td>*12730</td>
<td>3060</td>
<td>*1880</td>
<td>3950</td>
<td>4040</td>
<td>*4800</td>
<td>3.0 m (9'10&quot;)</td>
<td>20'</td>
</tr>
<tr>
<td>3.0 m (9'10&quot;)</td>
<td>20'</td>
<td>Max</td>
<td>A</td>
<td>B</td>
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<td>*12730</td>
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<td>4040</td>
<td>*4800</td>
<td>3.0 m (9'10&quot;)</td>
<td>20'</td>
</tr>
</tbody>
</table>

*Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE Standard No. J1056/ISO 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.*

---

**HORSEPOWER**

- Gross: 72.1 kW (96.6 HP @ 2200 rpm)
- Net: 68.4 kW (91.7 HP @ 2200 rpm)

**OPERATING WEIGHT**

- 13480–13850 kg (29,720–30,540 lb)

**BUCKET CAPACITY**

- 0.18–0.6 m³ (0.24–0.78 yd³)

---

*Photo may include optional equipment.*
Komatsu’s PC138US-8 Series Hydraulic Excavators have a short tail swing profile, designed specifically for work in confined areas. By reducing tail swing, the PC138US-8 is perfect for work on road ways, bridges, in urban areas, or anywhere space is limited. The PC138US-8 Series provides the performance and productivity you expect from Komatsu equipment.

**Productivity Features**

- **High Mobility**
  - Large drawbar pull and steering force are evident when operating on a slope or other rough terrain.
  - The machine travel speed changes automatically to Hi or Lo at optimal points according to the travel load.
  - See page 5.

- **High Stability**
  - The PC138US-8 offers exceptional lifting capacity and high stability with a large counterweight.
  - See page 5.

- **Mode Selection**
  - Five working modes designed to match engine speed, pump delivery and system pressure.
  - See page 5.

**Ecology and Economy Features**

- **Low Emission Engine**
  - A powerful turbocharged and air-to-air aftercooled Komatsu SAA4D95LE-5 provides 68.4 kW 91.7 HP. This engine is EPA Tier 3 and EU Stage 3A emissions ready, without sacrificing power or machine productivity.

- **Low Operation Noise**
  - The dynamic noise is reduced providing low noise operation.
  - See page 4.

**Operation Features**

- **Small Tail Swing**
  - Excellent operation in tight quarters with small tail swing radius design
  - Round profile provides short protrusion of front and rear portion of the upper structure.
  - Occupies small road width for operation on narrow roads.
  - See pages 6 and 7.

- **Wider Working Ranges**
  - Job sites that require a long upper reach, such as demolition and slope cutting also benefit from the increased digging and dumping ranges of the PC138US-8.
  - See page 7.

**Upper Structure Features**

- Slip resistant surfaces for improved foot traction
- Rear view monitoring system (optional)
- See page 9.

**Larger Comfortable Cab**

- Low noise cab design with viscous cab mounting
- Sliding convex door facilitates easy entrance in confined areas.
- Large cab improves working space.
- See page 8.

**Easy Maintenance**

- Long replacement interval of hydraulic oil and hydraulic filter
- Remote mounted engine oil filter and fuel drain valve for easy access
- Equipped with the fuel pre-filter as standard (with water separator)
- Side-by-side cooling function enables only the cooling unit to be attached and detached.
- Equipped with the Equipment Management Monitoring System (EMMS) monitoring system.
- See pages 10 and 11.

**Excellent Reliability and Durability**

- High rigidity work equipment
- Sturdy frame structure
- Reliable Komatsu manufactured major components
- See page 11.

---

**Genuine Answers for Land and Environment Optimization**

---

**HORSEPOWER**

- Gross: 72.1 kW 96.6 HP @ 2200 rpm
- Net: 68.4 kW 91.7 HP @ 2200 rpm

**OPERATING WEIGHT**

- 13480 – 13850 kg
- 29,720 – 30,540 lb

**BUCKET CAPACITY**

- 0.18 – 0.6 m³
- 0.24 – 0.78 yd³
Komatsu Technology

Komatsu develops and produces all major components in house such as engines, electronics and hydraulic components. Combining “Komatsu Technology”, and customer feedback, Komatsu is achieving great advancements in technology. To achieve both high levels of productivity and economical performance, Komatsu has developed the main components with a total control system. The result is a new generation of high performance and environment-friendly excavators.

Low Emission Engine
Komatsu SAA4D95LE-5 is EPA Tier 3 and EU Stage 3A emissions ready.

Low Operation Noise
Enables low noise operation using the low-noise engine and methods to cut noise at source.

Electronically controlled common rail type engine
- Multi-staged injection
- Highly rigid cylinder block

Low noise design
- Optimal arrangement of sound absorbing materials
- Partition between the cab and engine room
- Air right valve room

Large Digging Force
The PC138US-8 has a large bucket digging force and arm crowd force, that facilitates digging hard rock-bed. Digging force ISO rating.

<table>
<thead>
<tr>
<th>Lifting capacity*</th>
<th>1290 kg</th>
<th>1155 kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight of counterweight</td>
<td>2656 lb</td>
<td>2255 lb</td>
</tr>
</tbody>
</table>

*At maximum reach, ground level height and overside.

Working Modes Selectable
The PC138US-8 excavator is equipped with five working modes (P, E, L, B and ATT mode). Each mode is designed to match engine speed and pump speed with the current application. This provides the flexibility to match equipment performance to the job at hand.

High Mobility
The PC138US-8 exceptional travel performance is provided by single pump with double flow, and it demonstrates superb maneuverability while operating at its optimum travel speed. It exhibits a large drawbar pull for moving on job sites, traveling in rough terrain and climbing steep slopes.

High Stability
The PC138US-8 offers exceptional lifting capacity and high stability with a large cast-iron counterweight that requires no additional clearance.

Eco-gauge that Assists Energy-saving Operations
The Eco-gauge on the right side of the multi-function color monitor provides environment-friendly energy-saving operation. Allows focus on operation in the green range with reduced CO₂ emissions and efficient fuel consumption.

Idling Caution
To prevent unnecessary fuel consumption, an idling caution is displayed on the monitor, if the engine idles for 5 minutes or more.

Working Mode Application Advantage
- P Power mode
  - Maximum production/power
  - Fast cycle times
- E Economy mode
  - Good cycle times
  - Better fuel economy
- L Lifting mode
  - Suitable attachment speed
- B Breaker mode
  - Optimum engine rpm, hydraulic flow
- ATT Attachment mode
  - Optimum engine rpm, hydraulic flow, 2way

- Working Modes Selectable
- Large Digging Force
- Low Emission Engine
- Low Operation Noise
- High Stability
- Eco-gauge that Assists Energy-saving Operations
- Idling Caution
Safe Operation with Small Tail Swing Even in Confined Areas

Short Implement Swing Radius:
1980 mm 6'6" boom raising angle of the PC138US-8 is larger than a conventional profile excavator. The result is reduced front implement swing radius.

Minimum implement swing radius 1980 mm 6'6"

Roadwork
When performing roadwork, protrusion of the machine into the unoccupied lane is kept minimal since the rear portion of the upper structure protrudes slightly from the track at swing. This allows a dump truck to be positioned closer to the track of the machine. The operator is able to load materials efficiently onto the front of the dump body at ease since ample dumping reach is assured for the loading. Large working space is not required for the machine.

Logging and forest roadwork
Since the protrusion of the rear portion of the upper structure is kept minimal, there is less possibility of the counterweight hitting against a tree or a slope, allowing the operator to operate the machine at ease. Furthermore, large digging height facilitates slope finishing work. Large drawbar pull assures smooth and powerful traveling even on rough terrain.

Demolition
The machine needs less working space and can perform efficient demolition work since it has large and ample digging height.

Wider Working Ranges
Raising the boom on the PC138US-8 to a wider angle enhances overall working performance. Job sites that require a long upper reach, such as demolition and slope cutting, also benefit from the increased digging and dumping ranges of the PC138US-8.

Round Profile of both Front and Rear Portion of the Upper Structure
Komatsu hydraulic excavators with small tail swing radius design adopt the round profile for both left and right corners of the front portion of the upper structure as well as its rear portion that features less protrusion from the track at swing. The round profile design allows the machine to work in tight quarters.

Logging road width 3–4 m 9’10”–13’1”

Photo may include optional equipment.
PC138US-8 cab interior is spacious and provides a comfortable working environment…

Large Comfortable Cab

Multi-position Controls
The multi-position, PPC (pressure proportional control) levers allow the operator to work in comfort while maintaining precise control. A double-slide mechanism allows the seat and controllers to move together or independently, allowing the operator to position the seat and controllers for maximum productivity and comfort.

Low Cab Noise
Cab is highly rigid and has excellent sound absorption ability. Thorough improvement of noise source reduction and use of low noise engine, hydraulic equipment, and air conditioner allows this machine to generate a low level of noise.

Comfortable Ride with Viscous Cab Mounts
Viscous mounts are adopted for cab mount system. The cab mount system absorbs shocks and aids vibration reduction to provide comfortable ride.

Pressurized Cab
Auto air conditioner, air filter and a higher internal air pressure prevent external dust from entering the cab.

Large Cab
Large cab provides ample operation space. The cab has wide doorway for easy access.

Automatic Air Conditioner
Automatic air conditioner is utilized. The bi-level control function keeps the operator's head and feet cool and warm respectively. This improved air flow function keeps the inside of the cab comfortable throughout the year. Defroster function keeps cab glass clear.

Sliding Convex Door
The sliding convex door facilitates easy entrance in confined areas.

Features

New Cab Design for Hydraulic Excavators
The cab is designed specifically for hydraulic excavators and gains reinforced strength from the pipe-structured cab framework. The cab framework provides the high durability and impact resistance with very high impact absorbency. The seat belt keeps the operator in the safety of the cab in the event of a rollover.

Emergency Escape Hammer
The cab is equipped with an emergency escape hammer for breaking the rear window glass in case of an emergency.

Travel Alarm
An alarm is installed as standard equipment to give other workers a warning when the machine travels in forward or reverse.

Pump/engine Room Partition
Pump/engine room partition prevents oil from spraying on the engine if a hydraulic hose should burst.

Anti-slip Plates
Highly durable slip resistant plates maintain superior foot traction performance.

Retractable Seat Belt
Easy-to-use retractable seat belt is employed.

Lock Lever
When lock lever is placed in lock position all hydraulic controls (travel, swing, boom, arm and bucket) are inoperable.

Tempered and Tinted Glass
The glass features high strength and blocks ultraviolet rays.

Wide Visibility
The right side window pillar has been removed and the rear pillar reshaped to provide improved visibility.

Skylight
Skylight with window can be opened for overhead visibility.

Rear View Monitoring System (optional)
The operator can view the rear of the machine with a color monitor screen. Monitor for rear view camera
**Easy Maintenance**

Komatsu designed the PC138US-8 to have easy service access. By doing so, routine maintenance and servicing are less likely to be skipped, which can mean a reduction in costly downtime later on. Here are some of the many service features found on the PC138US-8.

**Optimum Maintenance Layout**
With the left and right side service doors, it is possible to access the major maintenance points from ground level. Furthermore, the fuel drain valve, engine oil filter, swing machinery oil filler, and PTO oil filler are remote mounted, facilitating easy maintenance.

**Washable Floor**
The PC138US-8’s floor is easy to keep clean. The gently inclined surface has a flanged floor mat and drainage holes to facilitate run off.

**Maintenance Costs Reduced**

**Eco-white Filter Element**
High performance filters are used in the hydraulic circuit and engine. Longer hydraulic oil, hydraulic oil filter, engine oil and engine oil filter element replacement intervals significantly reduce maintenance costs.

<table>
<thead>
<tr>
<th>Component</th>
<th>Replacement Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine oil filter</td>
<td>Every 500 hours</td>
</tr>
<tr>
<td>Engine oil</td>
<td>Every 1000 hours</td>
</tr>
<tr>
<td>Hydraulic oil</td>
<td>Every 5000 hours</td>
</tr>
<tr>
<td>Hydraulic oil filter</td>
<td>Every 1000 hours</td>
</tr>
</tbody>
</table>

**Side-by-side Cooling**
The oil cooler, aftercooler and radiator are installed side by side. As a result, it is very easy to clean the radiator, etc. In addition, the operator can remove and install the aftercooler, radiator and oil cooler in a short time.

**Large Tool Box**
Large tool box provides plenty of space. Grease pump storage space is also provided.

**Long Greasing Interval**
Special hard material is used for the bushings of the work equipment to lengthen greasing interval. All bushing lubrication intervals of work equipment except arm top bushing are 500 hours, reducing maintenance costs.

**Large TFT LCD Monitor**
Large multi-lingual LCD monitor enables safe, accurate and smooth work. Improved screen visibility is achieved by the use of TFT liquid crystal display that can easily be read at various angles and lighting conditions. Simple and easy to operate switches, industry first function keys facilitate multi-function operations. Displays data in 12 languages to globally support operators around the world.

**Excellent Reliability and Durability**

**High R rigidity Work Equipment**
Boom and arms are constructed of thick plates of high tensile strength steel. In addition, these structures are designed with large cross-sectional areas and generous use of castings. The result is working attachments that exhibit long term durability and high resistance to bending and torsional stress.

**Sturdy Frame Structure**
The revolving frame, center frame and undercarriage are designed by using the most advanced three-dimensional CAD and FEM analysis technology.

**Metal Guard Rings Protect all the Hydraulic Cylinders and Improve Reliability.**

**DT-type Connectors**
DT-type connectors seal tight and have higher reliability.

**O-ring Face Seal**
The hydraulic hose seal method has been changed from a conventional taper seal to an O-ring seal. This provides improved sealing performance.

**Reliable Components**
All of the major machine components, such as engine, hydraulic pump, hydraulic motors and control valves are exclusively designed and manufactured by Komatsu.
HYDRAULIC EXCAVATOR

PC138US-8

SPECIFICATIONS

ENGINE

Model: Komatsu SAA6D95LE-5
Type: Turbo-charged, 4-cycle
Aspiration: Water-cooled, 4-cycle
Number of cylinders: 6
Bore x stroke: 95 mm x 115 mm (3.74" x 4.53")
Piston displacement: 3.26 ft³ 191 l
Governor: All-speed control, electronic
Flywheel horsepower: ISO 9249 / SAE J1349
Air cleaner: Dry type with double elements

HYDRAULIC SYSTEM

Type: HydraulMind (Hydraulic Mechanical Intelligence New Design) system
Main pump: Closed-center system with load-sensing valve and pressure-compensated valve
Pumps for: Swing, arm, bucket, swing, and travel circuits
Maximum flow: 242 l/min 63.9 US gal/min
Hydraulic motors: 2 x piston motor with parking brake
Swing: 1 x piston motor with swing holding brake

COOLANT AND LUBRICANT

Fuel system: Direct injection
Lubrication system: Full-flow

DRIVES AND BRAKES

Flywheel horsepower: 199 HP 148 kW
Governor: All-speed control, electronic
Swing reduction: Planetary gear
Swing circle lubrication: Grease-bathed
Swing lock: Wet, multiple-disc brake
Swing speed: 11.0 rpm

SWING SYSTEM

Driven by: Hydraulic motor
Swing reduction: Planetary gear
Swing circle lubrication: Grease-bathed
Swing lock: Wet, multiple-disc brake
Swing speed: 11.0 rpm

STANDARD EQUIPMENT

- Air cleaner, double element with auto dust evacuator
- Auto air conditioner
- Alternator, 35 Ampere, 24 V
- Batteries, 64 Ah x 2
- Cabs which include: antenna, AM/FM radio, floor mat, intermittent front windshield wiper and washer, large ceiling hatch, pull-up front window, removable lower windshield, sliding rear window, sliding seat
- Cooling fan, mixed flow with fan guard
- Counterweight, 3250 kg 7,160 lb
- Dustproof net for radiator and oil cooler
- Monitor panel
- Light, on front
- Auto deodoration
- Pump/engine partition cover
- Shoo, 500 mm 19.7" triple grouser
- Starting motor 4.5 kW
- Swing holding brake
- Travel alarm

OPERATING WEIGHT (APPROXIMATE)

Operating weight including 4600 mm 15’1” one-piece boom, 2600 mm 8’6” arm, SAE heaped 0.00 m³ 0.66 yd³ backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment

<table>
<thead>
<tr>
<th>Shoes</th>
<th>Operating Weight</th>
<th>Ground Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>26F 13440</td>
<td>42.2</td>
</tr>
<tr>
<td>600</td>
<td>26F 13979</td>
<td>35.3</td>
</tr>
<tr>
<td>700</td>
<td>26F 13500</td>
<td>30.4</td>
</tr>
</tbody>
</table>

COOLING AND LUBRICANT CAPACITY (REFILLING)

Fuel tank: 195 l 51.5 U.S. gal
Radiator: 12.4 l 3.3 U.S. gal
Engine: 11.0 l 2.9 U.S. gal
Final drive, each side: 2.5 l 0.7 U.S. gal
Swing drive: 2.5 l 0.7 U.S. gal
Hydraulic tank: 69.0 l 18.2 U.S. gal

FREE CIRCUIT MAXIMUM FLOW

<table>
<thead>
<tr>
<th>Free Circuit</th>
<th>Maximum Flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom, arm, bucket, swing, and travel circuits</td>
<td>355 ltr 3.2 MPa 33 kgf/cm²</td>
</tr>
<tr>
<td>Swing, arm, bucket, swing, and travel circuits</td>
<td>345 ltr 3.2 MPa 33 kgf/cm²</td>
</tr>
<tr>
<td>Swing, arm, bucket, swing, and travel circuits</td>
<td>345 ltr 3.2 MPa 33 kgf/cm²</td>
</tr>
</tbody>
</table>

Piston displacement: 0.50 m³

PUMP/CYLINDER

<table>
<thead>
<tr>
<th>Cylinder</th>
<th>Piston Displacement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom</td>
<td>94 ltr 0.50 m³</td>
</tr>
<tr>
<td>Arm</td>
<td>32 ltr 0.18 m³</td>
</tr>
<tr>
<td>Bucket</td>
<td>18 ltr 0.10 m³</td>
</tr>
<tr>
<td>Swing</td>
<td>55 ltr 0.31 m³</td>
</tr>
<tr>
<td>Travel</td>
<td>55 ltr 0.31 m³</td>
</tr>
</tbody>
</table>

NUMBER OF TRACK ROLLERS

<table>
<thead>
<tr>
<th>Number of Track Rollers</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 each side</td>
</tr>
</tbody>
</table>

STEERING SYSTEM

Type: Two levers with pedal
Drive method: Fully hydrostatic
Swing speed: 11.0 rpm

CRANKCASE VOLUME

<table>
<thead>
<tr>
<th>Volume</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.26 ft³ 191 l</td>
<td></td>
</tr>
</tbody>
</table>

PUMP TYPE

Closed-center system with load-sensing valve

PUMP SPECIFICATIONS

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>345 ltr 3.2 MPa 33 kgf/cm²</td>
<td></td>
</tr>
</tbody>
</table>

RADIATOR

Type: Water-cooled, cross-flow, finned, and radiator fan
Capacity: 63.9 US gal/min

SWING CYLINDER

Type: Double-acting, variable displacement
Capacity: 3.26 ft³ 191 l

TRAVEL CYLINDER

Type: Double-acting, variable displacement
Capacity: 3.26 ft³ 191 l

PUMP/EQUIPMENT SPECIFICATIONS

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main pump</td>
<td>345 ltr 3.2 MPa 33 kgf/cm²</td>
</tr>
<tr>
<td>Swing pump</td>
<td>65 ltr 0.40 m³</td>
</tr>
<tr>
<td>Travel pump</td>
<td>55 ltr 0.31 m³</td>
</tr>
</tbody>
</table>

SWING SYSTEM

Model: Komatsu SAA6D95LE-5
Type: Turbo-charged, 4-cycle
Aspiration: Water-cooled, 4-cycle
Number of cylinders: 6
Bore x stroke: 95 mm x 115 mm (3.74" x 4.53")
Piston displacement: 3.26 ft³ 191 l
Governor: All-speed control, electronic
Flywheel horsepower: ISO 9249 / SAE J1349
Air cleaner: Dry type with double elements

HYDRAULIC SYSTEM

Type: HydraulMind (Hydraulic Mechanical Intelligence New Design) system
Main pump: Closed-center system with load-sensing valve and pressure-compensated valve
Pumps for: Swing, arm, bucket, swing, and travel circuits
Maximum flow: 242 l/min 63.9 US gal/min
Hydraulic motors: 2 x piston motor with parking brake
Swing: 1 x piston motor with swing holding brake

COOLANT AND LUBRICANT

Fuel system: Direct injection
Lubrication system: Full-flow

DRIVES AND BRAKES

Flywheel horsepower: 199 HP 148 kW
Governor: All-speed control, electronic
Swing reduction: Planetary gear
Swing circle lubrication: Grease-bathed
Swing lock: Wet, multiple-disc brake
Swing speed: 11.0 rpm

SWING SYSTEM

Driven by: Hydraulic motor
Swing reduction: Planetary gear
Swing circle lubrication: Grease-bathed
Swing lock: Wet, multiple-disc brake
Swing speed: 11.0 rpm

STANDARD EQUIPMENT

- Air cleaner, double element with auto dust evacuator
- Auto air conditioner
- Alternator, 35 Ampere, 24 V
- Batteries, 64 Ah x 2
- Cabs which include: antenna, AM/FM radio, floor mat, intermittent front windshield wiper and washer, large ceiling hatch, pull-up front window, removable lower windshield, sliding rear window, sliding seat
- Cooling fan, mixed flow with fan guard
- Counterweight, 3250 kg 7,160 lb
- Dustproof net for radiator and oil cooler
- Monitor panel
- Light, on front
- Auto deodoration
- Pump/engine partition cover
- Shoo, 500 mm 19.7" triple grouser
- Starting motor 4.5 kW
- Swing holding brake
- Travel alarm

OPERATING WEIGHT (APPROXIMATE)

Operating weight including 4600 mm 15’1” one-piece boom, 2600 mm 8’6” arm, SAE heaped 0.00 m³ 0.66 yd³ backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment

<table>
<thead>
<tr>
<th>Shoes</th>
<th>Operating Weight</th>
<th>Ground Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>26F 13440</td>
<td>42.2</td>
</tr>
<tr>
<td>600</td>
<td>26F 13979</td>
<td>35.3</td>
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COOLING AND LUBRICANT CAPACITY (REFILLING)

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel tank</td>
<td>195 l 51.5 U.S. gal</td>
</tr>
<tr>
<td>Radiator</td>
<td>12.4 l 3.3 U.S. gal</td>
</tr>
<tr>
<td>Engine</td>
<td>11.0 l 2.9 U.S. gal</td>
</tr>
<tr>
<td>Final drive, each side</td>
<td>2.5 l 0.7 U.S. gal</td>
</tr>
<tr>
<td>Swing drive</td>
<td>2.5 l 0.7 U.S. gal</td>
</tr>
<tr>
<td>Hydraulic tank</td>
<td>69.0 l 18.2 U.S. gal</td>
</tr>
</tbody>
</table>

FREE CIRCUIT MAXIMUM FLOW

<table>
<thead>
<tr>
<th>Free Circuit</th>
<th>Maximum Flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom, arm, bucket, swing, and travel circuits</td>
<td>355 ltr 3.2 MPa 33 kgf/cm²</td>
</tr>
<tr>
<td>Swing, arm, bucket, swing, and travel circuits</td>
<td>345 ltr 3.2 MPa 33 kgf/cm²</td>
</tr>
<tr>
<td>Swing, arm, bucket, swing, and travel circuits</td>
<td>345 ltr 3.2 MPa 33 kgf/cm²</td>
</tr>
</tbody>
</table>

PUMP/CYLINDER

<table>
<thead>
<tr>
<th>Cylinder</th>
<th>Piston Displacement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom</td>
<td>94 ltr 0.50 m³</td>
</tr>
<tr>
<td>Arm</td>
<td>32 ltr 0.18 m³</td>
</tr>
<tr>
<td>Bucket</td>
<td>18 ltr 0.10 m³</td>
</tr>
<tr>
<td>Swing</td>
<td>55 ltr 0.31 m³</td>
</tr>
<tr>
<td>Travel</td>
<td>55 ltr 0.31 m³</td>
</tr>
</tbody>
</table>

NUMBER OF TRACK ROLLERS

<table>
<thead>
<tr>
<th>Number of Track Rollers</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 each side</td>
</tr>
</tbody>
</table>

STEERING SYSTEM

Type: Two levers with pedal
Drive method: Fully hydrostatic
Swing speed: 11.0 rpm
**HYDRAULIC EXCAVATOR**

**DIMENSIONS**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>4600 mm</th>
<th>15'1&quot;</th>
<th>4000 mm</th>
<th>15'1&quot;</th>
<th>4600 mm</th>
<th>15'1&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom length</td>
<td>2400 mm</td>
<td>8'2&quot;</td>
<td>2400 mm</td>
<td>8'2&quot;</td>
<td>2400 mm</td>
<td>8'2&quot;</td>
</tr>
<tr>
<td>Arm length</td>
<td>2500 mm</td>
<td>8'2&quot;</td>
<td>3000 mm</td>
<td>9'10&quot;</td>
<td>3150 mm</td>
<td>10'6&quot;</td>
</tr>
<tr>
<td>Overall height (with boom)</td>
<td>7260 mm</td>
<td>23'10&quot;</td>
<td>7160 mm</td>
<td>23'6&quot;</td>
<td>7275 mm</td>
<td>23'10&quot;</td>
</tr>
<tr>
<td>Length on ground (transport)</td>
<td>4600 mm</td>
<td>15'1&quot;</td>
<td>4290 mm</td>
<td>14'1&quot;</td>
<td>4660 mm</td>
<td>15'3&quot;</td>
</tr>
<tr>
<td>Overall width</td>
<td>2400 mm</td>
<td>8'2&quot;</td>
<td>2615 mm</td>
<td>8'6&quot;</td>
<td>2815 mm</td>
<td>9'2&quot;</td>
</tr>
<tr>
<td>Overall height (to top of cab)</td>
<td>2850 mm</td>
<td>9'4&quot;</td>
<td>3210 mm</td>
<td>10'6&quot;</td>
<td>2690 mm</td>
<td>8'10&quot;</td>
</tr>
<tr>
<td>Tread clearance, counterweight</td>
<td>500 mm</td>
<td>1'7&quot;</td>
<td>3050 mm</td>
<td>10'10&quot;</td>
<td>3050 mm</td>
<td>10'10&quot;</td>
</tr>
<tr>
<td>Minimum ground clearance</td>
<td>3500 mm</td>
<td>11'8&quot;</td>
<td>1400 mm</td>
<td>4'10&quot;</td>
<td>1400 mm</td>
<td>4'10&quot;</td>
</tr>
<tr>
<td>Leveling radius</td>
<td>1400 mm</td>
<td>4'10&quot;</td>
<td>1400 mm</td>
<td>4'10&quot;</td>
<td>1400 mm</td>
<td>4'10&quot;</td>
</tr>
<tr>
<td>Length of front axle on ground</td>
<td>2500 mm</td>
<td>8'2&quot;</td>
<td>2500 mm</td>
<td>8'2&quot;</td>
<td>2500 mm</td>
<td>8'2&quot;</td>
</tr>
<tr>
<td>Jack length</td>
<td>3610 mm</td>
<td>11'10&quot;</td>
<td>1990 mm</td>
<td>6'6&quot;</td>
<td>1990 mm</td>
<td>6'6&quot;</td>
</tr>
<tr>
<td>Width of counter</td>
<td>2400 mm</td>
<td>8'2&quot;</td>
<td>2400 mm</td>
<td>8'2&quot;</td>
<td>2400 mm</td>
<td>8'2&quot;</td>
</tr>
<tr>
<td>Shoe width</td>
<td>500 mm</td>
<td>1'7&quot;</td>
<td>500 mm</td>
<td>1'7&quot;</td>
<td>500 mm</td>
<td>1'7&quot;</td>
</tr>
<tr>
<td>Grouser height</td>
<td>20 mm</td>
<td>0.8&quot;</td>
<td>20 mm</td>
<td>0.8&quot;</td>
<td>20 mm</td>
<td>0.8&quot;</td>
</tr>
<tr>
<td>Machine cab length</td>
<td>1900 mm</td>
<td>6'3&quot;</td>
<td>1900 mm</td>
<td>6'3&quot;</td>
<td>1900 mm</td>
<td>6'3&quot;</td>
</tr>
<tr>
<td>Machine cab width</td>
<td>2400 mm</td>
<td>8'2&quot;</td>
<td>2400 mm</td>
<td>8'2&quot;</td>
<td>2400 mm</td>
<td>8'2&quot;</td>
</tr>
<tr>
<td>Distance swing center to rear end</td>
<td>1400 mm</td>
<td>4'10&quot;</td>
<td>1400 mm</td>
<td>4'10&quot;</td>
<td>1400 mm</td>
<td>4'10&quot;</td>
</tr>
</tbody>
</table>

**WORKING RANGE**

<table>
<thead>
<tr>
<th>Area</th>
<th>4600 mm</th>
<th>15'1&quot;</th>
<th>4000 mm</th>
<th>15'1&quot;</th>
<th>4600 mm</th>
<th>15'1&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum digging height</td>
<td>9340 mm</td>
<td>30'8&quot;</td>
<td>9700 mm</td>
<td>31'10&quot;</td>
<td>9020 mm</td>
<td>29'7&quot;</td>
</tr>
<tr>
<td>Maximum dumping height</td>
<td>6840 mm</td>
<td>22'5&quot;</td>
<td>7350 mm</td>
<td>24'1&quot;</td>
<td>6525 mm</td>
<td>21'5&quot;</td>
</tr>
<tr>
<td>Maximum digging depth</td>
<td>5480 mm</td>
<td>18'0&quot;</td>
<td>5900 mm</td>
<td>19'4&quot;</td>
<td>5070 mm</td>
<td>16'8&quot;</td>
</tr>
<tr>
<td>Maximum vertical wall digging depth</td>
<td>4900 mm</td>
<td>16'1&quot;</td>
<td>5340 mm</td>
<td>17'6&quot;</td>
<td>4490 mm</td>
<td>14'9&quot;</td>
</tr>
<tr>
<td>Maximum digging depth of cut for 8' level</td>
<td>2440 mm</td>
<td>8'0&quot;</td>
<td>5265 mm</td>
<td>17'3&quot;</td>
<td>5715 mm</td>
<td>18'9&quot;</td>
</tr>
<tr>
<td>Maximum digging reach</td>
<td>8300 mm</td>
<td>27'3&quot;</td>
<td>8720 mm</td>
<td>28'7&quot;</td>
<td>7930 mm</td>
<td>26'0&quot;</td>
</tr>
<tr>
<td>Maximum digging reach at ground</td>
<td>8180 mm</td>
<td>26'10&quot;</td>
<td>8600 mm</td>
<td>28'3&quot;</td>
<td>7805 mm</td>
<td>25'7&quot;</td>
</tr>
<tr>
<td>Minimum swing radius</td>
<td>1980 mm</td>
<td>6'6&quot;</td>
<td>2265 mm</td>
<td>7'5&quot;</td>
<td>1845 mm</td>
<td>6'1&quot;</td>
</tr>
</tbody>
</table>

**ISO Bucket digging force**

- 93.2 kN, 88.3 kN, 88.3 kN
- 9500 kgf, 20,950 lbf
- 9000 kgf, 19,840 lbf
- 9000 kgf, 19,840 lbf
- 9000 kgf, 19,840 lbf

**Arm crowd force**

- 61.8 kN, 55.9 kN, 71.6 kN
- 6300 kgf, 13,890 lbf
- 5700 kgf, 12,570 lbf
- 7300 kgf, 16,090 lbf

**SAE Bucket digging force**

- 81.4 kN, 78.0 kN, 78.0 kN
- 8300 kgf, 18,300 lbf
- 7950 kgf, 17,530 lbf
- 7950 kgf, 17,530 lbf
- 7950 kgf, 17,530 lbf

**Arm crowd force**

- 60.8 kN, 54.4 kN, 69.6 kN
- 6200 kgf, 13,670 lbf
- 5550 kgf, 12,240 lbf
- 7100 kgf, 15,650 lbf

**BACKHOE BUCKET AND ARM COMBINATION**

<table>
<thead>
<tr>
<th>Bucket Capacity (heaped)</th>
<th>Width</th>
<th>Weight</th>
<th>Number of Teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAE, PCSA</td>
<td>CECE</td>
<td>With Side Cutters</td>
<td>Without Side Cutters</td>
</tr>
<tr>
<td>0.16 m³</td>
<td>0.16 yd³</td>
<td>456 mm</td>
<td>570 mm</td>
</tr>
<tr>
<td>0.25 m³</td>
<td>0.26 yd³</td>
<td>600 mm</td>
<td>720 mm</td>
</tr>
<tr>
<td>0.35 m³</td>
<td>0.38 yd³</td>
<td>700 mm</td>
<td>820 mm</td>
</tr>
<tr>
<td>0.45 m³</td>
<td>0.49 yd³</td>
<td>850 mm</td>
<td>970 mm</td>
</tr>
<tr>
<td>0.50 m³</td>
<td>0.55 yd³</td>
<td>1030 mm</td>
<td>1240 mm</td>
</tr>
</tbody>
</table>

- General digging: 0
- Light-duty operation: X
- Not available: □