PC1250LC-8
MATERIAL HANDLER

NET HORSEPOWER
502 kW 672 HP @ 1800 rpm

OPERATING WEIGHT
110868–126626 kg
244,418–279,157 lb

REACH
16.8–21.3 m 55’–70’

Photos may include optional equipment
The Komatsu PC Material Handling series is a full product line with solutions for all of your material handling needs. Komatsu...the unparalleled, one-stop shopping source for rugged and cutting edge material handling equipment!

**For Use In:**
- Scrap Processing
  - Stockpiling of recycled materials
  - Transfer station material feeding
- Bulk Material Handling
  - Coal, coke, and ore
  - Sand and gravel
  - Grain

**Features:**
- Excellent stability provided by long track and widened carbody (optional)
- Dual function machine, grapple or magnet operation
- Choice of elevated cabs for excellent all-around visibility
- Three-pump system provides smooth, fast, compound movements maximizing productivity
- Centralized lubrication points decrease service time

**Material Handling System Includes:**
- Choice of 16.8 m 55' or 21.3 m 70' two-piece attachment with underslung hydraulic cylinders
- Plumbing for grapple operation
- Electrical cable for magnet operation
- Centralized lube plumbing
- Magnet connecting link
- Manual tilt cab riser
- Access platform with stairs and railings
- Front window guard
- Hydraulic control package provides functions to open, close, and rotate grapple. Includes control handles and switches in cab
- Hydraulic-driven 55 kw generator
- Generator controller and magnet instrumentation mounted in the cab riser. Load power gauge with operating switches installed in operator’s cab
- Parts, service, and operator’s manuals
**Environment-Friendly Clean Engine**
The PC1250LC-8, which is equipped with the Komatsu SAA6D170E-5 engine, is USA EPA Tier 3 and EU stage 3A emissions certified. The SAA6D170E-5 engine adopts the world's first cooled EGR system with electronically controlled bypass-assist type venturi. NOx emissions are reduced by 40%, while maintaining high power and low fuel consumption.

**Hydraulics**
Unique three-pump system provides smooth compound movement of the work equipment. Electronic Open-center Load Sensing System (EOLSS) controls all pumps for efficient engine power use. This system also reduces hydraulic loss during operation.

**Large Comfortable Cab**
Low noise and vibration with cab damper mounting.

**PC1250LC-8**

<table>
<thead>
<tr>
<th>SPECIFICATION</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NET HORSEPOWER</strong></td>
<td>502 kW 672 HP @ 1800 rpm</td>
</tr>
<tr>
<td><strong>OPERATING WEIGHT</strong></td>
<td>110868 – 126626 kg</td>
</tr>
<tr>
<td></td>
<td>244,418 – 279,157 lb</td>
</tr>
<tr>
<td><strong>REACH</strong></td>
<td>16.8 – 21.3 m</td>
</tr>
<tr>
<td></td>
<td>55’ – 70’</td>
</tr>
</tbody>
</table>

The above image is a 3D illustration and may differ from actual engine.
ENGINE
Model .............................. Komatsu SAA6D170E-5
Type .............................. 4-cycle, water-cooled, direct injection
Aspiration ........................ Turbocharged, aftercooled, cooled EGR
Number of cylinders ................. 6
Bore ................................ 170 mm 6.69"
Stroke ................................ 170 mm 6.69"
Piston displacement .................. 23.15 ltr 1413 in³
Governor ............................ All-speed, electronic
Horsepower
SAE J1995 ............................. Gross 514 kW 688 HP
ISO 9249 / SAE J1349 ............... Net 502 kW 672 HP
Hydraulic fan at maximum speed . . Net 463 kW 620 HP
Rated rpm .......................... 1800 rpm
Fan drive type ....................... Hydraulic, variable speed, reversible
EPA Tier 3 and EU stage 3A emissions certified.

HYDRAULIC SYSTEM
Type .............................. Electronic Open-center Load Sensing System (EOLSS)
Number of selectable working modes ........ 2
Main pumps:
Type ................................ Variable capacity piston pumps
Pumps for ......................... Boom, arm, bucket, swing, and travel circuits
Maximum flow:
For implement and travel .......... 2 x 494 ltr/min 2 x 130.5 U.S. gpm
For swing ........................ 1 x 600 ltr/min 1 x 158.5 U.S. gpm
Sub-pump for control circuit .......... Gear pump
Hydraulic motors:
Travel .......................... 2 x axial piston motors with parking brake
Swing ........................... 2 x axial piston motors with swing holding brake
Relief valve setting:
Implement circuits .............. 31.4 MPa 320 kg/cm² 4,550 psi
Travel circuit .................. 34.3 MPa 350 kg/cm² 4,980 psi
Swing circuit .................. 27.0 MPa 275 kg/cm² 3,910 psi
Pilot circuit .................... 2.9 MPa 30 kg/cm² 430 psi
Hydraulic cylinders:
Number of cylinders—bore x stroke
Boom ........................... 2 – 225 mm x 2390 mm 8.9" x 94.1"
Arm .............................. 1 – 254 mm x 2794 mm 10.0" x 110.0"

SWING SYSTEM
Driven by .......................... Hydraulic motors (2)
Swing reduction .................... Planetary gear
Swing circle lubrication .............. Grease bathed
Swing lock .......................... Oil disc brake
Swing speed ........................ 5.5 rpm

DRIVES AND BRAKES
Steering control .................. Two levers with pedals
Drive method ..................... Fully hydrostatic
Travel motor ....................... Axial piston motor, in-shoe design
Reduction system ................ Planetary double reduction
Maximum drawbar pull .......... 686 kN 70000 kg 154,320 lb
Gradeability ...................... 70%
Maximum travel speed: High . . . . . . 3.2 km/h 2.0 mph
Low .............................. 2.1 km/h 1.3 mph
Service brake ..................... Hydraulic lock
Parking brake ...................... Oil disc brake

UNDERCARRIAGE
Center frame ....................... H-leg frame
Track frame ........................ Box-section
Track type .......................... Sealed
Track adjuster ..................... Hydraulic
No. of shoes ........................ 55 each side
No. of carrier rollers ............... 3 each side
No. of track rollers ................. 10 each side

COOLANT AND LUBRICANT
CAPACITY (REFILLING)
Fuel tank .......................... 1360 ltr 359.3 US gal
Radiator ........................... 142 ltr 37.5 US gal
Engine ............................. 86 ltr 22.7 US gal
Final drive, each side .......... 21 ltr 5.5 US gal
Swing drive ....................... 2 x 24.3 ltr 2 x 6.4 US gal
Hydraulic tank .................... 670 ltr 177.0 US gal
PTO .............................. 13.5 ltr 3.6 US gal

OPERATING WEIGHT (APPROXIMATE)
Operating weight w/o Grapple:
16.8 m 55' .......................... 110868 kg 244,418 lb
21.3 m 70' ......................... 126626 kg 279,157 lb

PC1250LC-8  M A T E R I A L  H A N D L E R
SPECIFICATIONS
**Material Handler**

**Shipping Weights and Dimensions (Approximate)**

### Upper Structure

<table>
<thead>
<tr>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length</td>
<td>10160 mm 33' 4&quot;</td>
</tr>
<tr>
<td>Overall Height</td>
<td>3306 mm 10' 10&quot;</td>
</tr>
<tr>
<td>Weight (includes gauge widener)</td>
<td>44452 kg 98,000 lb</td>
</tr>
</tbody>
</table>

### Undercarriage (LC)

<table>
<thead>
<tr>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length of track on ground</td>
<td>5970 mm 19' 7&quot;</td>
</tr>
<tr>
<td>Length of track</td>
<td>7400 mm 24' 3&quot;</td>
</tr>
<tr>
<td>Track gauge (Std)</td>
<td>3912 mm 12' 10&quot;</td>
</tr>
<tr>
<td>Track gauge (Opt-widened)</td>
<td>4661 mm 15' 3.5&quot;</td>
</tr>
<tr>
<td>Overall width (Std): Extended</td>
<td>4900 mm 16' 1&quot;</td>
</tr>
<tr>
<td>Overall width (Opt-widened): Extended</td>
<td>5639 mm 18' 6&quot;</td>
</tr>
<tr>
<td>Weight (per side)</td>
<td>19958 kg 44,000 lb</td>
</tr>
</tbody>
</table>

### 2-Piece Front

<table>
<thead>
<tr>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>4115 mm 13' 6&quot;</td>
</tr>
<tr>
<td>Height</td>
<td>559 mm 1' 10&quot;</td>
</tr>
<tr>
<td>Weight</td>
<td>1633 mm 3,600</td>
</tr>
</tbody>
</table>

### Arm Cylinder Group

<table>
<thead>
<tr>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>3658 mm 12' 0&quot;</td>
</tr>
<tr>
<td>Width</td>
<td>2438 mm 8' 0&quot;</td>
</tr>
<tr>
<td>Height</td>
<td>2591 mm 8' 6&quot;</td>
</tr>
<tr>
<td>Weight</td>
<td>4763 kg 10,500 lb</td>
</tr>
</tbody>
</table>

### Boom Cylinders

- **Model K02US55–PC1250–8**
  - **16.8 m 55' front Stick**
    - Length: 9500 mm 31' 2"
    - Width: 1372 mm 4' 6"
    - Height: 1397 mm 4' 7"
    - Weight: 8618 kg 19,000 lb

- **Model K02US70–PC1250–8**
  - **21.3 m 70' front Stick**
    - Length: 11887 mm 39' 0"
    - Width: 1372 mm 4' 6"
    - Height: 1448 mm 4' 9"
    - Weight: 13721 kg 30,250 lb

### Grapple

- **Model N05-400**
  - Length: 3658 mm 12' 0"
  - Width: 2438 mm 8' 0"
  - Height: 2591 mm 8' 6"
  - Weight: 4763 kg 10,500 lb

- **Model N05-600**
  - Length: 4267 mm 14' 0"
  - Width: 2743 mm 9' 0"
  - Height: 2896 mm 9' 6"
  - Weight: 7983 kg 17,600 lb

- **Model N05-700**
  - Length: 4572 mm 15' 0"
  - Width: 2896 mm 9' 6"
  - Height: 3048 mm 10' 0"
  - Weight: 8391 kg 18,500 lb

### Platform, Ladder, and Railing

<table>
<thead>
<tr>
<th>Description/Model</th>
<th>1981 mm 78&quot; (6'6&quot;) Riser</th>
<th>3353 mm 132&quot; (11'0&quot;) Riser</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>L x W x H</td>
<td>L x W x H</td>
</tr>
<tr>
<td>mm</td>
<td>1845 x 1245 x 1168</td>
<td>4318 x 1270 x 3353</td>
</tr>
<tr>
<td>ft in</td>
<td>6'1&quot; x 4'1&quot; x 3'10&quot;</td>
<td>14'2&quot; x 4'2&quot; x 11'0&quot;</td>
</tr>
<tr>
<td>Weight</td>
<td>200 kg 440 lb</td>
<td>3402 kg 7,500 lb</td>
</tr>
<tr>
<td>Height</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# PC1250LC-8 Material Handler

## Lifting Capacities

### A: Reach from swing center

### B: Stick tip height

### C: Lifting capacity

### Cf: Rating over front

### Cs: Rating over side

### Conditions:

- (In addition to PC1250LC-8 base machine)
  - 2-piece front attachment with hydraulic cylinders
  - 1981 mm 78” manual tilt cab riser with platform, stairs, and handrails
  - 153.5” gauge

### Note:

- Capacities are measured at the bare stick tip.
- Capacities marked with an asterisk (*) are limited by hydraulic capacities rather than stabilities.

<table>
<thead>
<tr>
<th>PC1250LC-8</th>
<th>Young 2-Piece Front</th>
<th>- 16.8 m 55’ (K82US55-PC1250LC-8)</th>
<th>Unit: kg lb</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A</strong></td>
<td><strong>3.0 m 10’</strong></td>
<td><strong>4.6 m 15’</strong></td>
<td><strong>6.1 m 20’</strong></td>
</tr>
<tr>
<td><strong>B</strong></td>
<td><strong>Cl</strong></td>
<td><strong>Cs</strong></td>
<td><strong>Cl</strong></td>
</tr>
<tr>
<td>18.3 m 60’</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.5 m 50’</td>
<td><em>17900</em></td>
<td><em>17900</em></td>
<td><em>39400</em></td>
</tr>
<tr>
<td>15.2 m 50’</td>
<td><em>21500</em></td>
<td><em>21500</em></td>
<td><em>39400</em></td>
</tr>
<tr>
<td>13.7 m 45’</td>
<td></td>
<td></td>
<td><em>39400</em></td>
</tr>
<tr>
<td>12.2 m 40’</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.7 m 35’</td>
<td><em>21000</em></td>
<td><em>21000</em></td>
<td><em>47400</em></td>
</tr>
<tr>
<td>9.1 m 30’</td>
<td><em>23600</em></td>
<td><em>23600</em></td>
<td><em>52000</em></td>
</tr>
<tr>
<td>7.6 m 25’</td>
<td><em>25000</em></td>
<td><em>25000</em></td>
<td><em>55100</em></td>
</tr>
<tr>
<td>6.1 m 20’</td>
<td></td>
<td></td>
<td><em>64500</em></td>
</tr>
<tr>
<td>4.6 m 15’</td>
<td></td>
<td></td>
<td><em>64500</em></td>
</tr>
<tr>
<td>3.0 m 10’</td>
<td></td>
<td></td>
<td><em>64500</em></td>
</tr>
<tr>
<td>1.5 m 5’</td>
<td></td>
<td></td>
<td><em>63400</em></td>
</tr>
<tr>
<td>0.0 m 0’</td>
<td></td>
<td></td>
<td><em>60000</em></td>
</tr>
<tr>
<td>-1.5 m -5’</td>
<td></td>
<td></td>
<td><em>58000</em></td>
</tr>
<tr>
<td>-3.0 m -10’</td>
<td></td>
<td></td>
<td><em>56000</em></td>
</tr>
<tr>
<td>-4.6 m -15’</td>
<td></td>
<td></td>
<td><em>54000</em></td>
</tr>
<tr>
<td>-6.1 m -20’</td>
<td></td>
<td></td>
<td><em>52000</em></td>
</tr>
</tbody>
</table>

1. Lifting capacities shown do not exceed 75% of minimum tipping loads or 87% of hydraulic capacities. Data supplied by AEM.
2. Lifting capacities shown should not be exceeded. Weight of all lifting accessories must be considered part of the load.
3. Lifting capacities assume the machine is standing level on a firm, uniform supporting surface. The user must make allowances for unfavorable job conditions such as soft or uneven ground or sudden stopping of loads.
4. The least stable position is over the side.
5. The operator should be fully acquainted with the Operation Manual before operating the machine.
6. Capacities apply only to the machine equipped as stated here.
7. Capacities are based on PCSA gross rated loads.
### LIFTING CAPACITY

A: Reach from swing center
B: Stick tip height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side

#### Conditions:
- Capacities are measured at the bare stick tip.
- Lifting capacities assume the machine is standing level on a firm, uniform supporting surface. The user must make allowances for unfavorable job conditions such as soft or uneven ground or sudden stopping of loads.
- Capacities are based on PCSA gross rated loads.
- Capacities marked with an asterisk (*) are limited by hydraulic capacities rather than stabilities.

#### Capacities are limited by:
- 5000 lb additional counterweight
- Cabodied widened 30° raised 4.75°
- 183.5° gauge

#### Notable Features:
- 2-piece front attachment with hydraulic cylinders
- 1981 mm 78° manual tilt cab riser
- with platform, stairs, and handrails

<table>
<thead>
<tr>
<th>PC1250LC-8</th>
<th>Young 2-Piece Front - 21.3 m 70° (K02US70-PC1250LC-8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>B C f C s C f C s C f C s C f C s C f C s C f C s C f C s C f C s C f C s C f C s C f C s C f C s</td>
</tr>
<tr>
<td>6.1 m 20'</td>
<td>*27000 *27000 *27000 *27000 *27000 *27000 *27000 *27000 *27000 *27000 *27000 *27000 *27000 *27000 *27000 *27000 *27000 *27000 *27000</td>
</tr>
<tr>
<td>7.6 m 25'</td>
<td>*49,100 *49,100 *49,100 *49,100 *49,100 *49,100 *49,100 *49,100 *49,100 *49,100 *49,100 *49,100 *49,100 *49,100 *49,100 *49,100 *49,100</td>
</tr>
<tr>
<td>9.1 m 30'</td>
<td>*39,600 *39,600 *39,600 *39,600 *39,600 *39,600 *39,600 *39,600 *39,600 *39,600 *39,600 *39,600 *39,600 *39,600 *39,600 *39,600 *39,600</td>
</tr>
<tr>
<td>10.7 m 35'</td>
<td>*29,600 *29,600 *29,600 *29,600 *29,600 *29,600 *29,600 *29,600 *29,600 *29,600 *29,600 *29,600 *29,600 *29,600 *29,600 *29,600 *29,600</td>
</tr>
<tr>
<td>12.2 m 40'</td>
<td>*19,700 *19,700 *19,700 *19,700 *19,700 *19,700 *19,700 *19,700 *19,700 *19,700 *19,700 *19,700 *19,700 *19,700 *19,700 *19,700 *19,700</td>
</tr>
<tr>
<td>13.7 m 45'</td>
<td>*11,600 *11,600 *11,600 *11,600 *11,600 *11,600 *11,600 *11,600 *11,600 *11,600 *11,600 *11,600 *11,600 *11,600 *11,600 *11,600 *11,600</td>
</tr>
<tr>
<td>15.2 m 50'</td>
<td>*8,000 *8,000 *8,000 *8,000 *8,000 *8,000 *8,000 *8,000 *8,000 *8,000 *8,000 *8,000 *8,000 *8,000 *8,000 *8,000 *8,000 *8,000</td>
</tr>
<tr>
<td>16.8 m 55'</td>
<td>*5,700 *5,700 *5,700 *5,700 *5,700 *5,700 *5,700 *5,700 *5,700 *5,700 *5,700 *5,700 *5,700 *5,700 *5,700 *5,700 *5,700 *5,700</td>
</tr>
<tr>
<td>18.3 m 60'</td>
<td>*4,600 *4,600 *4,600 *4,600 *4,600 *4,600 *4,600 *4,600 *4,600 *4,600 *4,600 *4,600 *4,600 *4,600 *4,600 *4,600 *4,600 *4,600</td>
</tr>
<tr>
<td>21.3 m 70'</td>
<td>*3,500 *3,500 *3,500 *3,500 *3,500 *3,500 *3,500 *3,500 *3,500 *3,500 *3,500 *3,500 *3,500 *3,500 *3,500 *3,500 *3,500 *3,500</td>
</tr>
</tbody>
</table>

#### Note:
- Capacities are measured at the stick tip.
- Capacities marked with an asterisk (*) are limited by hydraulic capacities rather than stabilities.
WORKING RANGES

Young 2-Piece Front — 16.8 m 55' w/ gauge widener
(K02US55-PC1250LC-8)
Maximum Height — 18.5 m 60'9"
Maximum Reach — 16.8 m 55'

Young 2-Piece Front — 21.3 m 70' w/ gauge widener
(K02US70-PC1250LC-8)
Maximum Height — 23.2 m 76'2"
Maximum Reach — 21.3 m 70'
ATTTACHMENTS

Grapple Selection Guide

<table>
<thead>
<tr>
<th>Komatsu Model</th>
<th>PC1250LC-8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommended Grapple Model</td>
<td>Young</td>
</tr>
<tr>
<td>NO5-700 16.8 m 55'</td>
<td>NO5-600 16.8 m 55'</td>
</tr>
<tr>
<td>Size</td>
<td>m³</td>
</tr>
<tr>
<td></td>
<td>yd³</td>
</tr>
<tr>
<td>Weight</td>
<td>kg</td>
</tr>
<tr>
<td></td>
<td>lb</td>
</tr>
<tr>
<td>A</td>
<td>mm</td>
</tr>
<tr>
<td></td>
<td>in</td>
</tr>
<tr>
<td>B</td>
<td>mm</td>
</tr>
<tr>
<td></td>
<td>in</td>
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<tr>
<td>C</td>
<td>mm</td>
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<tr>
<td>D</td>
<td>mm</td>
</tr>
<tr>
<td></td>
<td>in</td>
</tr>
</tbody>
</table>

Grapple Applications:
Select a grapple whose weight including material does not exceed the lift capacity shown for your specific machine.

**Note:** Conditions and material densities vary. Confirm your specific load density before determining safe machine balance.

General Material Weights:
1. Steel scrap, clippings compressed or bundled weighs approximately 919 kg 2,025 lbs per yd³.
2. Shredded steel scraps, unprepared weighs approximately 612 kg 1,350 lbs per yd³.

Typical 5-Tine Grapple (Orange Peel)

1. Grapple Tines
2. Grapple Cylinders
3. Mounting Pin

General Magnet Selection Guide

<table>
<thead>
<tr>
<th>Magnet Size</th>
<th>Generator KW Rating</th>
<th>Approximate Magnet Operating Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter (in)</td>
<td>Cold Amps (Max.)</td>
<td>A (kg)</td>
</tr>
<tr>
<td>40</td>
<td>1016 10 15 20 25 33</td>
<td>816</td>
</tr>
<tr>
<td>45</td>
<td>1143 10 15 20 25 33</td>
<td>1270</td>
</tr>
<tr>
<td>48</td>
<td>1219 10 15 20 25 33</td>
<td>1315</td>
</tr>
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<td>1828 10 15 20 25 33</td>
<td>3719</td>
</tr>
<tr>
<td>72</td>
<td>1828 10 15 20 25 33</td>
<td>3765</td>
</tr>
<tr>
<td>78</td>
<td>1981 10 15 20 25 33</td>
<td>4445</td>
</tr>
</tbody>
</table>

T = Typical  M = Maximum

Magnet Selection:
1. Select a magnet whose weight, including lifted material, does not exceed the lift capacity shown for your specific machine.
2. Select a magnet with a cold amp rating equal to or less than the figures shown in this chart.

Legend:
A: Pig iron and #1 hot melt; refers in general to low iron content slag or slabs.
B: #2 broken; scrap steel or cut offs.
C: Steel turnings; scrap from machining processes.
**STANDARD EQUIPMENT**

**ENGINE AND RELATED ITEMS:**
- Air cleaner, double element, dry type
- Auto deaccelerator
- Electric fuel priming pump
- Engine, Komatsu SAA6D170E-5
- Fuel pre-filters (10 micron) with water separator
- Fuel primary filter (2 micron)
- Variable speed cooling fan, hydraulic drive, reversible

**ELECTRICAL SYSTEM:**
- Alternator, 90 amp, 24 V
- Batteries, 220 Ah, 2 x 12 V
- Interconnected horn and flashing light
- Power supply, 12V
- Starting motors, 11kW x 2
- Step light with timer
- Working lights: 2 boom, 2 cab top front, 1 cab bottom

**UNDERCARRIAGE:**
- 1000 mm 39.4" double grouser
- 10 track/3 carrier rollers (each side)
- Hydraulic track adjusters (each side)
- Track guiding guard (each side)

**GUARDS AND COVERS:**
- Engine thermal guards and fan guard
- Dust-proof net for radiator and oil cooler
- Pump/engine room partition
- Revolving frame under cover (Heavy-duty)
- Track frame under cover (center)
- Travel motor guards

**OPERATOR ENVIRONMENT:**
- Automatic air conditioner/heater/defroster system
- Damper mount, all-weather, pressurized, sound-suppressed cab with tinted safety glass windows, lockable door, intermittent window wiper and washer, floormat, cigarette lighter and ashtray
- FOPS (OPG top guard level 2)
- Instrument panel with electronic display/monitor system, electronically-controlled throttle dial, electric service meter, gauges (coolant temperature, hydraulic temperature and fuel level), caution lights (electric charge, engine oil pressure, and air cleaner clogging), indicator lights (engine preheating and swing lock light) level check lights (coolant, engine oil, and hydraulic oil level), self-diagnostic system with trouble data memory
- Pull-up type front window, lockable
- Radio, AM-FM
- Rearview mirrors, left and right
- Seat, fully adjustable with suspension
- Seat belt 78 mm non-cinching

**HYDRAULICS:**
- Control levers, wrist control levers for arm, boom, bucket, and swing with PPC system
- Control levers and pedals for steering and travel with PPC system
- Fully hydraulic, with Electronic Open-Center Load-Sensing (EOLSS) and engine speed sensing (pump and engine mutual control system)
- In-line high pressure hydraulic filters
- Oil cooler, hydraulic
- One gear pump for control circuit
- One axial piston motor per track for travel with counter balance valve
- Shockless boom control
- Swing priority mode
- Three variable capacity piston pumps (2 Main, 1 Swing)
- Three control valves, 5+4+4 spools (boom, arm, bucket, swing, and travel)
- Two axial piston motors for swing with single-stage relief valve
- Two-mode setting for boom
- Working modes: Power, Economy (four level), Heavy Lift

**DRIVE AND BRAKE SYSTEM:**
- Brakes, hydraulic lock travel brakes, oil disc parking
- Hydrostatic two travel speed system with planetary double reduction final drive

**OTHER STANDARD EQUIPMENT:**
- Automatic swing holding brake
- Corrosion resister
- Counterweight, 18000 kg 39,680 lb
- Grease gun, air pump type
- Horn, air
- Large handrails and steps
- Lift capacity chart
- Marks and plates, English
- One-touch engine oil drainage
- Paint, Komatsu standard
- PM tune-up service connector
- Slip resistant plates
- Travel alarm
- Vandalism protection
- Vehicle Health Monitoring System (VHMS) with ORBCOMM
- Wide catwalk

**OPTIONAL EQUIPMENT**
- 5000 lb additional counterweight (required with 70' 2 piece front)
- Boom
  - 16.8 m 55' 2-piece MH front
  - 21.3 m 70' 2-piece MH front
  (requires widened carbody and 5000 lb additional counterweight)
- 55 kW hydraulic drive generator (requires 3352 mm 11' riser)
- Cab riser
  - 1981 mm 78" manual tilt
  - 3352 mm 11' up and down
  - 1219 mm 4' forward
- Grapples
  - 3.0 m³ 4.0 yd³ orange peel
  - 4.5 m³ 6.0 yd³ orange peel
  - 5.3 m³ 7.0 yd³ orange peel
- Revolving frame under cover (HD)
- Shoes
  - 1200 mm 47.25" double grouser
  - 700 mm 28" double grouser
- Track roller guards (full length)
- Track frame under cover
- Widened carbody (required with 70' 2 piece front)

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