FLYWHEEL HORSEPOWER: 503kW 686 HP @ 2,000 RPM
BUCKET CAPACITIES: 11.0–12.3 m³ 14.4–16.1 cu.yd
OPERATING WEIGHT: 98,300 kg 216,710 lb

- The powerful Komatsu SA12V140 engine provides fuel-efficient operation
- Roomy, quiet cab with high-capacity air conditioner substantially reduces operator fatigue
- Kick-down switch on the boom control lever improves pile penetration and scooping operations
- Electrically controlled transmission enables light fingertip control of all direction/gear shift changes
- Tilttable steering wheel and adjustable seat provide operator comfort and efficiency
- Komatsu viscous damping cab mounts reduce vibration and noise
- Adjustment-free service brake accounts for higher performance and reduced downtime
- High-quality components are used for superior reliability and availability
The Answer for Higher Reliability and
Productivity

Proven Power
The world/fiel-proven Komatsu 12-cylinder, direct-injection turbo-charged SA12V140 engine has all the capability needed for today's tough operations.

Flywheel horsepower
603 kw 808 HP
@2,000RPM

Reliable Power Train
The engine, torque converter and transmission as well as the hydraulic equipment and electrical parts undergo strict quality control checks for enhanced reliability and durability.

Durable Bucket
Komatsu buckets are manufactured using high-tensile strength steel with replaceable welded wear plates for extended bucket life. Additional strength has been added to the bucket bottom corners, side edges and spill guard ends for increased durability.

Bucket capacities
11.0 m³
(14.4 cu. yd)

Stock Pile
12.3 m³
(16.1 cu. yd)

Large Dumping Clearance
The WA600-3 was designed with ample dumping clearance for dump truck matching.

High Breakout Force
Komatsu wheel loaders have high-tensile steel Z-bar loader linkages for maximum rigidity and maximum breakout force. Sealed loader linkage pins extend greasing intervals.

Excellent Stability
The WA600-3 has the widest tread in its class 3,350 mm (11') and a long 5,450 mm (17'11") wheelbase for maximum machine stability.
Focus on Operator Comfort and

Easy to Use Joystick Steering (Optional)
A joystick steering system has been incorporated to allow steering and forward/reverse selection to be effected by wrist and finger control without the operator having to move his arm from the rest. When transmission gear shifting is set to manual, the boom lever holds and kick-down switches change to up-shift and down-shift switches respectively.

Faster Pile-Penetration & Scooping
A kick-down switch down-shifts the transmission from forward 2nd to 1st gear, for increased rim pull and hence improved bucket filling. When the direction control lever is set to reverse, it automatically up-shifts from 1st gear to 2nd, to reduce cycle time.

Ergonomically-Designed Controls
All controls are ergonomically designed to minimize operator fatigue. The steering wheel and instrument panel are similar to those of a car. The bucket and boom controls have PPC valves and short-stroke levers, to reduce operator effort. With the electrically-controlled transmission, direction and gearshift control levers can be finger-operated while holding the steering wheel with the same hand, allowing instant, positive direction and gearshift changes.

Comfortable Operator's Seat
The operator's seat has a reclining/air suspension design with headrest to support the operator comfortably during long operation. Also, it is easy to adjust seat height with air suspension.
Smooth Electronic Automatic Transmission (Optional)
With the electronic automatic transmission, you can always enjoy the optimum speed for the machine travelling conditions. Clutch engagement during gear shifting is so smooth that time lag and shock are small and ride comfort is ensured. When ascending or descending a slope or while operating, the automatic transmission can easily be set to the standard manual transmission by using the manual switch.

Stair Light
The stair light, which illuminates the rear access stairs for about a minute, is operated by pushing a switch inside the cab, regardless of ignition key position.

Roomy, Quiet Cab With Power Windows
The cab is large, with a comfortably spacious interior and power windows. Also, a wide viewing angle is guaranteed because the cab is pillar-less. By adopting a high-capacity air conditioner, Komatsu ensures operator comfort, no matter the exterior conditions. Other features designed with operators in mind include a lunchbox storage space.

Tilttable Steering Column & One- Glance Monitors
The steering column can be easily tilt-adjusted to the most comfortable position with one lever. Together with the two-spoke design, this guarantees better vision of the monitors.

Low Vibration & Noise
The cab rests on Komatsu viscous damping mounts (rubber and silicon oil) to reduce vibration and noise. All hydraulic equipment is mounted on high-resistance rubber to further reduce vibration and noise.

Auto-Greasing System (optional)
The periodic lubrication points, except for drive shaft, are greased automatically according to a preset amount and interval. Quick change grease cartridges make replacement easy and clean.

Simple Checks, Easy Maintenance
The main monitor and the maintenance monitor (EDIMCS II) are neatly arranged on the instrument panel for a quick, clear reading of machine functions at all times. The main monitor also has a diagnostic function.

High-Quality Paint
Most exterior plates are treated with a cathodic electro-deposition undercoat and melamine baked final paint for rust resistance and longer service life.

Maintenance-Free Braking System
Service brakes employ two hydraulically-actuated independent circuits for increased safety and are adjustment-free, fully-sealed, wet disc units, preventing intrusion of dirt and dust. Since the brake system does not use air, it provides many features such as absence of condensation, dependable braking even in cold conditions, no need for drainage, and rust-free piping. What's more, charging time after engine starting is drastically shortened and pedal depressing effort is reduced.
SPECIFICATIONS

ENGINE

Model: Komatsu SA12V140
Type: Water-cooled, 4-cylinder, Turbocharged
No. of cylinders: 12
Bore x stroke: 140mm x 185mm (5.5" x 7.25")
Piston displacement: 30.48 ltr., 1,860 cu.in.
Performance:
- Flywheel horsepower: 903 kW (1,200 HP) (SAE: J1349)
- Rated RPM: 2,000 RPM
Fuel system: Direct injection
Governor: Mechanical, all-speed control
Lubrication system:
- Lubrication method: Gear pump, pressurized lubrication
- Filter: Full-flow type
Air cleaner: Dry type with automatic dust ejector and precleaner, cyclicale with vacuum

STEERING SYSTEM

Type: Articulated type, full-hydraulic power steering
Steering angle: 40° each direction
Minimum turning radius at the center of outside tire: 9,200 mm (30' 2"

HYDRAULIC SYSTEM

Steering system:
- Hydraulic pump: Piston pump
- Capacity: 307 ltr./min., 81 U.S. gal/min., at rated RPM
- Relief valve setting: 320 kgf/cm², 4,550 PSI
- Hydraulic cylinders:
  - Type: Double-acting, piston type
  - No. of cylinders: 2
  - Bore x stroke: 160 mm x 503 mm (6.3" x 19.8"
  - Loader control:
    - Hydraulic pump: Piston pump
    - Capacity: 406 ltr./min., 107 U.S. gal/min., at rated RPM
    - Relief valve setting: 320 kgf/cm², 4,550 PSI
    - Switch pump: Piston pump
    - Capacity: 406 ltr./min., 107 U.S. gal/min., at rated RPM
- Control valve:
  - Type: Double-acting, piston type
- Control positions:
  - Bucket: Raise, hold lower and float
  - Hydr. cycle time (rated load in bucket):
    - Raise: 11.2 sec.
    - Dump: 2.0 sec.
    - Lower (Empty): 4.8 sec.

ROPS & CAB

Structure complies with ISO 3471 and SAE J1040c ROPS (Roll-Over Protective Structure) standards, as well as ISO 3440 FOPE (Falling Object Protective Structure) standards. The cab is mounted on rubber pads and well insulated.

SERVICE REFILL CAPACITIES

Cooling system: 301 ltr., 79.5 U.S. gal
Fuel tank: 1,425 ltr., 367.5 U.S. gal
Engine: 132 ltr., 34.9 U.S. gal
Hydraulic system: 726 ltr., 194.1 U.S. gal
Axle (each front and rear): 360 ltr., 95.1 U.S. gal
Torque converter and transmission: 140 ltr., 37.0 U.S. gal

TIRES

45/65-45-46PR (L-5)
### Bucket Selection

<table>
<thead>
<tr>
<th>Bucket Type</th>
<th>Capacity (m³ cu yd)</th>
<th>Struck Width* (mm ft in)</th>
<th>Struck Weight (kg lb)</th>
<th>Breakout Force (kg lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excavating bucket (spade nose) with tips teeth</td>
<td>11.6</td>
<td>15.7</td>
<td>11,450</td>
<td>69,006</td>
</tr>
<tr>
<td>Stock Pie (spade nose) with teeth</td>
<td>12.3</td>
<td>16.4</td>
<td>12,150</td>
<td>64,176</td>
</tr>
</tbody>
</table>

*excluding tire protectors

### Weight Changes

<table>
<thead>
<tr>
<th>Change in operating weight</th>
<th>Change in tipping load</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remove ROPS canopy</td>
<td>-1,205 kg - 3,055 lb</td>
</tr>
<tr>
<td>Remove steel cab</td>
<td>-430 kg - 960 lb</td>
</tr>
<tr>
<td>Install additional counterweight</td>
<td>+1,600 kg + 3,550 lb</td>
</tr>
</tbody>
</table>

### Standard Equipment

- Engine and cooling system: Starter, Alternator, Preheater, Corrosion resistor
- Electrical components: Headlights(2), Rear working lights(2), Brake lamps or tail lamps, Turn indicators (front and rear), Electric display/monitoring system/strain light
- Gauges: Fuel level, Coolant temperature, Torque converter oil temperature, Speedometer, Service meter
- Pilot lamps: Engine preheating, Working light on, Turn indicator on, Parking brake applied, Transmission cut-off
- Monitor lights: Engine oil level, Coolant level
- Caution lamps: Battery charging, Fuel level, Transmission oil filter, Air cleaner filter, dropping
- Caution lamps with alarm: Engine oil pressure, Coolant level, Coolant temperature, Torque converter oil temperature, Parking and neutral, Brake oil pressure
- Others: Sight gauges (hydraulic reservoir level, transmission oil level, brake oil level), Emergency brake, 4565-45-46PR (L-5) tubeless tires, Bucket positioner, Boom kickout, Air suspension seat

### Optional Equipment

- Front working light(2), Side working light(2), Air conditioner, Heater and defroster, Car radio, Sun visor, Fire extinguisher, Vandalism protection, Emergency steering, Yellow rotating lamp, Backup alarm, Underbody mirror, Power train underguard, Ashtray and cigarette lighter, Rear under side mirror, Room mirror, Seat belt, Fenders, Bucket teeth (weld-on/tip type), Bucket corner teeth, Sweeper wing, 10.00(13.1 cu yd) specie nose rock bucket for high-lift boom, High-lift boom, Counterweight for high-lift boom, Mesh chain, 4565-45-50PR (L-5) tubeless tires, Heavy-duty bucket, ROPS canopy, Steel cab included front wiper, windshield washer and power window, Fast fill fuel system, Auto-greasing kit, Joystick steering, Automatic transmission, Coal bucket (20.5m³), Auto-greasing system

### Specifications with High-Lift Boom

<table>
<thead>
<tr>
<th>Spade Nose with teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket capacity</td>
</tr>
<tr>
<td>Rated Load</td>
</tr>
<tr>
<td>Bucket width</td>
</tr>
<tr>
<td>Dampling Clearance (teeth)</td>
</tr>
<tr>
<td>Dunning Reach (teeth)</td>
</tr>
<tr>
<td>Tire Size</td>
</tr>
</tbody>
</table>

### Specifications with Short Boom Load & Carry

<table>
<thead>
<tr>
<th>Spade Nose with teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket capacity</td>
</tr>
<tr>
<td>Rated Load</td>
</tr>
<tr>
<td>Bucket width</td>
</tr>
<tr>
<td>Dampling Clearance (teeth)</td>
</tr>
<tr>
<td>Dunning Reach (teeth)</td>
</tr>
<tr>
<td>Tire Size</td>
</tr>
</tbody>
</table>

*Stone-handling version is applicable with short boom and special front attachment.
### DIMENSIONS

(Unit: mm ft. in)

<table>
<thead>
<tr>
<th></th>
<th>45/65-45 tires</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tread</td>
<td>3,360 11'</td>
</tr>
<tr>
<td>Width over tires</td>
<td>4,585 15'</td>
</tr>
<tr>
<td>A Wheelbase</td>
<td>5,450 17'11&quot;</td>
</tr>
<tr>
<td>B Hinge pin height, max. height</td>
<td>6,765 22'3&quot;</td>
</tr>
<tr>
<td>C Hinge pin height, carry position</td>
<td>850 2'5&quot;</td>
</tr>
<tr>
<td>D Ground clearance</td>
<td>550 1'10&quot;</td>
</tr>
<tr>
<td>E Hitch height</td>
<td>1,300 4'3&quot;</td>
</tr>
<tr>
<td>F Overall height, top of the stack</td>
<td>5,080 16'8&quot;</td>
</tr>
<tr>
<td>G Overall height, PCPS canopy</td>
<td>5,275 17'4&quot;</td>
</tr>
</tbody>
</table>

Measured with 45/65-45 tires

<table>
<thead>
<tr>
<th></th>
<th>I</th>
<th>II</th>
</tr>
</thead>
<tbody>
<tr>
<td>H. Dumping clearance, max. height and 45° dump angle*</td>
<td>4,630 15'2&quot;</td>
<td>4,525 14'10&quot;</td>
</tr>
<tr>
<td>J. Reach at max. height and 45° dump angle*</td>
<td>2,385 7'10&quot;</td>
<td>2,495 8'2&quot;</td>
</tr>
<tr>
<td>Reach at 2130 mm (7') cut edge clearance and 45° dump angle</td>
<td>3,455 11'4&quot;</td>
<td>3,550 11'8&quot;</td>
</tr>
<tr>
<td>Reach with arm horizontal and bucket level</td>
<td>4,360 14'4&quot;</td>
<td>4,510 14'10&quot;</td>
</tr>
<tr>
<td>K. Operating height (fully raised)</td>
<td>9,300 30'6&quot;</td>
<td>9,430 30'11&quot;</td>
</tr>
<tr>
<td>L. Overall length</td>
<td>13,730 45'</td>
<td>13,880 45'6&quot;</td>
</tr>
<tr>
<td>Loader clearance (bucket at carry, outside corner of bucket)</td>
<td>21,800 71'8&quot;</td>
<td>21,930 71'11&quot;</td>
</tr>
<tr>
<td>Digging depth (at teeth)</td>
<td>0'</td>
<td>105 6'5&quot;</td>
</tr>
<tr>
<td></td>
<td>10'</td>
<td>605 11'11&quot;</td>
</tr>
</tbody>
</table>

*At the end of teeth

This specification sheet may contain attachments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for these items you may require. Materials and specifications are subject to change without notice.