World Class Komatsu Quality
35 years of experience and technology is manufactured into every wheel loader. Komatsu’s ISO certification and critical quality control ensure that every wheel loader will satisfy the most demanding customer. From design to production, from sales to service, Komatsu means total quality.

Ergonomically Designed Operator Compartment
Outstanding visibility is achieved by positioning the operator above, not behind the load. This seating position allows the operator excellent bucket visibility for easy load placement. Dual entry and exit as well as conventional controls for ground drive and loader operations reduce operator fatigue and increase productivity.

Hydrostatic Transmission
Speed and dynamic braking are controlled by a single pedal providing low effort machine operation. The forward/reverse lever is mounted within easy reach of the operator.

Easy Maintenance
Komatsu wheel loaders feature maintenance-free wet-disc brakes and easy opening engine covers to keep your operators productive and efficient.

Low Noise Operation
Sound suppression materials and air intake resonator are utilized in the engine area decreasing sound output which reduces operator stress and fatigue.

Hydrostatic Transmission
Speed and dynamic braking are controlled by a single pedal providing low effort machine operation. The forward/reverse lever is mounted within easy reach of the operator.

Rear Axle Oscillation
The Komatsu wheel loaders superior design offers continuous tire contact and traction assist over rough terrain for an easy ride.

Superior Stability
A long wheelbase, wide tread and rear axle oscillation result in a comfortable and stable ride in load and carry applications.

Automatic Bucket Leveler
After dumping the bucket, the Komatsu wheel loader system has automatic return-to-dig function that improves cycle times.
**ENGINE-EPA CERTIFIED**

- **Model**: Komatsu 3D84E-3B
- **Type**: Water cooled, 4-stroke cycle
- **Aspiration**: Natural
- **Number of cylinders**: 3
- **Bore x stroke**: 84 mm x 86 mm 3.31” x 3.34”
- **Piston displacement**: 1.5 ltr. 91 cu. in.
- **Governor**: Mechanical
- **Horsepower rating @ 2500 rpm**: 21.3 kw 29 HP
- **Flywheel horsepower**: 29 HP

Meets EPA emissions regulations

**Fuel system**: Direct Injection

**Lubrication system**
- **Method**: Gear pump, force-lubrication
- **Filter**: Full-flow
- **Air cleaner**: Dry-type with double elements

**Drive system**: Four wheel drive

**Drive Method**: Hydrostatic

**Transmission**

<table>
<thead>
<tr>
<th>Travel Speed*</th>
<th>Forward</th>
<th>Reverse</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.0 km/h</td>
<td>9.3 mph</td>
<td>15.0 km/h</td>
</tr>
</tbody>
</table>

*Measured with 12.5/70-16-6 tires

**AXLES AND FINAL DRIVES**

- **Drive system**: Four wheel drive
- **Front**: Fixed, semi-floating
- **Rear**: Center-pin support semi-floating, 16° total oscillation
- **Reduction gear**: Spiral bevel gear
- **Final reduction gear**: Planetary gear, single reduction
- **Oscillating Angle**: ± 16°

**Brakes**

- **Service brake**: Hydraulically-activated, wet, sealed disc
- **Parking brake**: Mechanically-activated, wet, sealed disc
- **Tire size**: 12.5/70-16-6PR

**STEERING SYSTEM**

- **Type**: Full hydraulic power, center pivot steering
- **Steering angle**: 40°
- **Minimum turning radius at the center of outside tire**: 3060 mm 10’0”

**BOOM AND BUCKET**

- **Z-bar loader linkage is designed for maximum rigidity and offers powerful breakout. Rap-out loader linkage design enables shock dumping for removing sticky materials.**

**BUCKET CONTROLS**

- **Control positions**: Boom. Raise, hold, lower & float. Bucket. Roll back, hold & dump

**HYDRAULIC SYSTEM**

- **Capacity (discharge flow) @ engine-rated rpm**: Loader pump 32 ltr/min 8.5 US gal/min
- **Auxiliary hydraulic**: 32 ltr/min 8.5 US gal/min

(Gear-type pumps)

- **Relief valve setting**: Loader. 210 bar 2990 psi

**Hydraulic cycle time (rated load in bucket)**

- Raise: 4.6 sec
- Dump: 1.0 sec
- Lower (empty): 2.8 sec
- Rollback: 1.4 sec
- Total cycle time: 9.8 sec

**SERVICE REFILL CAPACITIES**

- **Cooling system**: 5.5 ltr. 1.3 US gal.
- **Fuel tank**: 42.0 ltr. 11.9 US gal.
- **Engine**: 4.7 ltr. 1.24 US gal.
- **Hydraulic reservoir**: 28.0 ltr. 7.4 US gal.
- **Axle (each, front and rear)**: 9.3 ltr. 1.4 US gal.

**Standard Equipment**

- Alarm, back-up
- Canopy, ROPS
- Directional signals
- Engine coolant temp. gauge
- Fuel gauge
- Head lights (two)
- Horn
- Hourmeter
- Hydraulic oil temp. gauge
- Rearview mirrors (two)
- Seat, adjustable
- Seat belt (3 in.)
- Tachometer
- Indicator Lights, for: battery, parking brake, engine pre-heat, engine oil pressure, hydraulic filter restriction

**Optional Equipment**

- Auxiliary hydraulics
- Mechanical front attachment coupler
- 66” Bucket
- 48” Pallet forks
**Dimensions**

- **Standard tires**: 12.5/70-16-6PR
- **Tread (Front and rear)**: 1180 mm \(3'10''\)
- **Width over tires**: 1495 mm \(4'11''\)
- **A Wheelbase**: 1750 mm \(5'9''\)
- **B Hinge pin height, maximum height**: 2680 mm \(8'10''\)
- **C Ground clearance**: 270 mm \(10.6''\)
- **D Overall height, ROPS canopy**: 2460 mm \(8'1\)"
- **E Overall length**: 4030 mm \(13'3''\)

---

<table>
<thead>
<tr>
<th>Bucket</th>
<th>Pin-on Bucket with Bolt-on Cutting Edge</th>
<th>Attachment Coupler with Bolt-on Cutting Edge</th>
<th>Attachment Coupler with 48'' pallet forks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket capacity</td>
<td>SAE rated</td>
<td>0.4 m(^3)</td>
<td>.52 yd(^3)</td>
</tr>
<tr>
<td>Bucket width</td>
<td>1575 mm</td>
<td>5'2''</td>
<td>1575 mm</td>
</tr>
<tr>
<td>Bucket weight (48'' Pallet fork weight)</td>
<td>387 kg</td>
<td>176 lb</td>
<td>214 kg</td>
</tr>
<tr>
<td>Static tipping load</td>
<td>Straight</td>
<td>1948 kg</td>
<td>4,285 lb</td>
</tr>
<tr>
<td></td>
<td>Full turn (40°)</td>
<td>1694 kg</td>
<td>3,727 lb</td>
</tr>
<tr>
<td>Operating capacity - 50% of full turn tipping load</td>
<td>847 kg</td>
<td>1,863 lb</td>
<td>796 kg</td>
</tr>
<tr>
<td>Dump clearance, maximum height and 45° dump angle</td>
<td>2140 mm</td>
<td>7'0''</td>
<td>2140 mm</td>
</tr>
<tr>
<td>Reach at maximum height and 45° dump angle</td>
<td>785 mm</td>
<td>2'7''</td>
<td>785 mm</td>
</tr>
<tr>
<td>Operating height</td>
<td>Fully raised</td>
<td>3375 mm</td>
<td>11'1''</td>
</tr>
<tr>
<td>Turning radius*</td>
<td>3210 mm</td>
<td>10'6''</td>
<td>3210 mm</td>
</tr>
<tr>
<td>Digging depth</td>
<td>10°</td>
<td>150 mm</td>
<td>5.9''</td>
</tr>
<tr>
<td>Breakout force</td>
<td>2700 kg</td>
<td>5,950 lb</td>
<td>2700 kg</td>
</tr>
<tr>
<td>Operating weight</td>
<td>2740 kg</td>
<td>6,040 lb</td>
<td>2818 kg</td>
</tr>
</tbody>
</table>

* All dimensions, weights, and performance values based on SAE J732c and J742b standards. Static tipping load and operating weight shown include 12.5/70-16-6PR tires, lubricant, coolant, full fuel tank, ROPS canopy, and operator. Machine stability and operating weight are affected by counterweight, tire size, and other attachments.

**Notes:**

- Turning radius measured with bucket at carry position, outside corner of bucket.

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

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