

# WHEEL LOADER

# WA180-3

## **ADVANCE LOADER**

FLYWHEEL HORSEPOWER: 110 HP 82 kW @ 2400 RPM

BUCKET CAPACITIES: 1.5~2.2m<sup>3</sup> 2.0~2.9 cu.yd

OPERATING WEIGHT: 8890 kg 19600 lb



Model shown may include optional equipment.

- *The powerful Komatsu S6D102E engine provides fuel-efficient operation*
- *Large bucket capacity and dumping clearance enhance overall productivity and working efficiency*
- *Four-gearshift transmission provides optimum speed, resulting in greater maneuverability*
- *Kick-down switch on the loader control lever improves pile-penetration and scooping operations*
- *Orbit-roll full-hydraulic steering system ensures fast steering response and minimum operator effort*
- *Torque proportioning differentials ensure smoother, positive ride on rough terrain for longer tire life*
- *Rubber-mounted floor frame reduces vibration and noise*
- *Adjustment-free service and parking brakes account for higher performance and reduced downtime*
- *Gull-wing engine side covers facilitate engine access for easy checking/replacement of engine oil or filters*
- *Rust-resistant high-quality paint assures good appearance and longer service life*

# **KOMATSU**

# Easy, Comfortable Operation, With High Reliability and Productivity



Model shown may include optional equipment.

## Light-Touch Direction & Gearshift Controls

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.



## Low Noise & Vibration

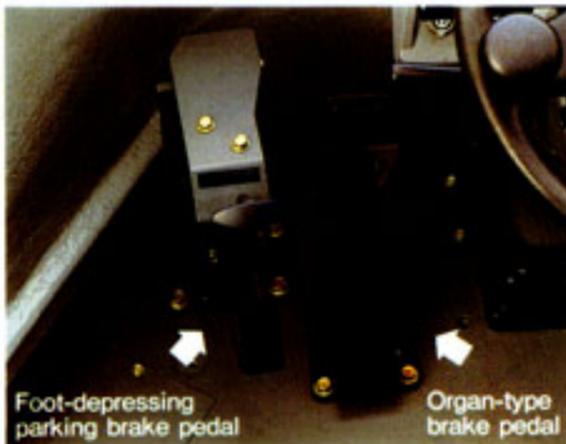
The cab rests on rubber mounts to reduce noise and vibration transmission to the cab and hence reduce operator fatigue.

## One-Glance Monitors

The WA180-3 has an automotive-type instrument panel, with analog gauges so the operator has a quick, clear understanding of operating conditions. The steering wheel is a two-spoke design providing a clear view of the instruments.

## Easy-To-Use Brake Pedals

The WA180-3 has an organ-type service brake pedal, which can be operated in the same way as the accelerator pedal, without lifting the heel, to significantly reduce fatigue. The parking brake pedal is a foot-depressing type to ensure effective braking with light foot pressure.



## Integrated Light Switch

The light switch is integrated with the turning signal switch, for more simple operation.



## Positive Engine Starting

Thanks to the quick heater system automatic preheating system, the required preheating time is reduced, ensuring smooth engine starting even in cold weather.

## Orbit-Roll Steering

The WA180-3 has Komatsu's Orbit-roll full hydraulic steering system for faster steering response and reduced operator fatigue. Minimum steering effort is required, even in tight turns.

## Faster Pile-Penetration & Scooping

A kick-down switch on the boom control lever 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.



## Large Dumping Clearance

The WA180-3 has designed with ample dumping clearance for on-highway dump trucks. The operator can easily level materials in the bed of the dump truck.

## Excellent Stability

The WA180-3 has a wide 1820mm(6') tread and a long 2700mm(8'10") wheelbase for maximum machine stability and hence greater operator safety in loading and travelling.

## Gull-Wing Side Covers, Full-Opening Rear Grill

Gull-Wing engine side covers fully open upwards at a finger-touch. The covers allow for easy checking of engine and enable repair from ground level if required. In addition, a fully opening rear radiator grill features one-touch opening/closing with gas springs for easy battery checking and radiator cleaning.



## 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.

## High-Quality Paint

Most exterior plates are treated with a cation electro-deposition undercoat and melamine baked final paint for rust resistance and longer service life. In addition, some exterior components employ resin.

## Extended Tire Life

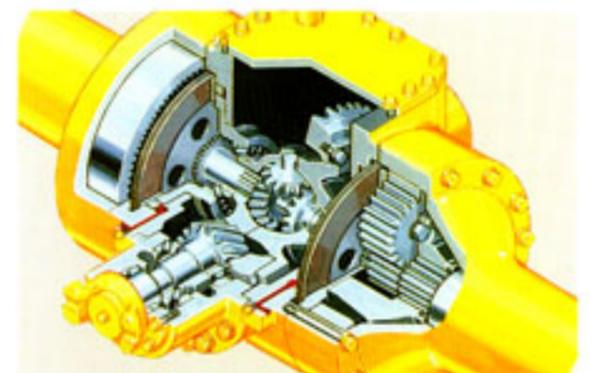
The torque proportioning differential for both axles enables smoother ride in muddy or sandy terrain, reducing tire slippage and extending tire life.

## Wet-Disk Parking Brake

The parking brake is also an adjustment-free wet-disk type, to ensure consistent reliability and maximum service life even in the toughest conditions.

## Dependable Braking System

The WA180-3 has two independent hydraulically-actuated service brake circuits, for increased safety. The brakes are fully sealed, wet-disk units, which prevent intrusion of dust and dirt, and hence maximize service life. Komatsu's wet-disk brakes require no pad adjustment.



## Clog-Free Radiator Fins

An improved radiator fin design reduces the chance of clogging and fin damage, and provides easier cleaning.