More reliable
Better durability

The Most Rigid Mast Frame in its Class

- Mast
  We've increased the cross-sectional area of the mast rail, used high-strength steel and strengthened the tilt cylinder connections. These improvements significantly raise the rigidity of the mast rails.
  - Front axle
  We used a single, thin plate for the connection between the front axle and the frame, and increased the thickness of the lateral plates, significantly boosting overall rigidity.
  - Front fenders
  To improve rigidity, the front fenders are made of a single, thick layer.

A Reliable Hydraulic System... even under Extreme Conditions

- High-capacity twin-cooler system
  The hydraulic oil and pressurized oil coolers have very large heat-sink areas, ensuring high coolant capacities. This means they can maintain the hydraulic system's temperature even under severe operating conditions. The result is a reliable, long-lived hydraulic system.
- Maintaining oil purity
  The hydraulic oil filter prevents dirt from entering the hydraulic system. This improves system reliability and maintenance intervals.
- Protected brake piping
  For protection, brake piping is routed inside the lower frame members.
- Tandem flow divider with combined flow regeneration circuit (diesel model)
  For high-capacity operation requirements, a tandem pump is used to maintain the high oil temperatures.
- Protected tilt cylinder piping
  Tilt cylinder piping is placed inside the chassis, protecting it from damage in the event of a collision or a dropped load.
- Standard sedimentor (diesel model)
  The sedimentor reduces impurities in the fuel, ensuring smooth engine combustion.

Careful Design Extending to Chassis Details

- Integrated bonnet
  Making the bonnet and windshield unit a single unit improves durability. Also, the rounded contours of the upper surface shield water, keeping the bonnet free of water.
- Standard halogen lamps
  For maximum illumination, bright white halogen lamps are standard on the DX20-series. Guards protect the lamps from damage.

Improved Travel and Braking Performance

- Top travel speed and gradeability
  These characteristics make the forklift efficient on a variety of slopes.
  - Maximum travel speed (unloaded)
    32.0 km/h
    9.60% / 8.5% on 10 ton diesel models
  - Maximum gradability (loaded)
    47 %
    9.0 ton diesel model
- Smooth initial acceleration
  The transmission is equipped with a modulator valve, as well as an acoustic low-speed valve and a conical pipe to ensure smooth, yet precise acceleration from a full stop.
- Optional setting for automatically shifting two-speed torque converter (optional)
  An optional setting allows the automatic transmission to perform the shift from first to second gear automatically. This allows the operator to concentrate on efficiently performing the work at hand, instead of on changing gears.

Hydromaster brakes for reliable braking power

- We've changed the braking system from a hydraulic assist mechanism to a vacuum-based hydromaster system. Vacuum pressure sustains power cylinder operation, and the hydraulic cylinders operate from power cylinder pressure, resulting in excellent braking performance. Even the engine's fluid loss from the vacuum brake to the assist mechanism is ensured.

Swift footwork:
DX20 series models have small turning radii and nimble steering, so changes in direction are almost instantaneous. This contributes to rapid cycle times.
More enjoyable

Better operating environment

Electrically controlled forward-reverse lever operates all at the touch of a finger. The shifting force has been reduced by 40%, so the operator can shift from first to second gear without removing his hands from the steering wheel. This minimizes fatigue even after hours on the job.

60%
Reduction in force required to shift gears (compared with previous Komatsu models)

Integrated headlight and turn signal control column (with self-canceling turn signals)

As in an automobile, switches for the lights and turn signals are all on the same lever. The turn signal cancel automatically, so the operator need not remember to manually cancel the signal.

Integrated meter panel for single-view checking

Excellent operator-machine interface—
Maximizing operator comfort

Low Noise and Vibration for a Comfortable Operating Environment

Hydraulic Suspension Cab-HSC for a soft ride

The HSC system reduces the entire cabin space from the chassis, greatly reducing operating vibrations. The system is particularly effective when used with Komatsu’s unique, non-pendulum type, which offer little vibration damping.

Adjustable deluxe operator seat

With adjustment functions for width, front-rear slide and suspension, the equipment blow-formed seat offers excellent comfort, as well as durability. Other features include a retractable seat belt and a rear document holder.

Extremely quiet

The combination of an integrated bonnet, low-noise engine and various other noise-suppressing equipment succeeds in greatly reducing the noise that reaches the operator’s ears.

Diesel model

69 dB(A) 35%
Clean exhaust

Thoughtful design

Ensuring a High Level of Safety

Bonnet lock and stopper

The bonnet lock prevents the bonnet from lifting up when the truck runs over bumps in the road. The bonnet stopper keeps strong winds from closing the bonnet accidentally.

Easy Maintenance

Handle for opening the bonnet

You can open the bonnet without having to lift back the steering wheel, and the steering wheel automatically retracts.

Angled bonnet sides

This slant of the bonnet is angled to make inspections easier. The bonnet in a single unit, beginning at the point where it hinges away from the floor plate. This avoids the need to remove the floor plate before servicing.

Designed to simplify maintenance

The floor plate and radiator cover can be removed at a single touch.

Easy removable bonnet

Retractable window

Bonnet stopper
### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Manufacturer's Designation</th>
<th>Capacity of Equipment (Kilowatts)</th>
<th>Power Type</th>
<th>LPM</th>
<th>Tire Type</th>
<th>Type of Equipment</th>
<th>Operation Type</th>
<th>Lift</th>
<th>Forks</th>
<th>Load Capacity</th>
<th>Max. Pressure</th>
<th>Max. Temp.</th>
<th>Max. Payload Capacity</th>
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**Specifications are subject to improvement and changes without notice. If these specifications are crucial, please discuss the proposed application with your distributor or sales representative.**