FLYWHEEL HORSEPOWER @ 1950 rpm
D65E-12 135 kW 180 HP
D65P-12 142 kW 190 HP

OPERATING WEIGHT:
D65E-12
19125 kg 42,160 lb
D65P-12
20185 kg 44,500 lb

WITH STEERING CLUTCH/BRAKE SYSTEM

CRAWLER DOZER
The Komatsu 6D125E-2 (for D65E) and 6D125E-2 (for D65P) diesel engine provide an output of 135 kW 180 HP (for D65E) and 142 kW 190 HP (for D65P) with excellent productivity.

High capacity Semi-U Tilt dozer (for D65E), Straight Tilt dozer (for D65P), combined the highest power in its class with outstanding productivity.

Gull-wing engine side doors for easy and safer servicing.

Blade tilt lines completely protected.

Komatsu Torqflow transmission offers single lever control of speed (3 forward and 3 reverse) and directional changes.

Left hand joystick controls all tractor motion. Right hand joystick controls all blade movements.

Forward mounted pivot shafts isolate final drives from blade loads.
Electronic Monitoring System prevents minor problems from developing into major ones.

Optional hexagonal, low noise cab with viscous damping mounts provides unsurpassed operator comfort and visibility.

Wet, multiple-disc brakes eliminates brake-band adjustments for maintenance-free operation.

Modular power train for increased serviceability and durability.

Bolt-on segmented sprocket teeth for easy in-the-field replacement.

Photo may include optional equipment.
Electronic Monitoring System

An electronic monitoring system prevents minor problems from developing into major ones. All meters and gauges are controlled by a microcomputer, which provides a wide indication range for an easier, more precise reading.

Low-Noise Design

For smoother riding comfort, power train components and hydraulic control valves are mounted to the frame with rubber pads to soften vibration and shut out noise. Since the D65 employs joysticks, the walk-through operator compartment is uncluttered for smooth entry and exit. An adjustable seat with backrest is standard equipment.

Three-stage height adjustable armrests

Three-stage height adjustable arm rests and relocated fuel control lever provide comfortable operation and increased leg space.

Hexagonal Pressurized Cab (Optional)

Air filters and a higher internal air pressure combine to prevent external dust from entering the cab. In addition, the cab’s hexagonal design provides excellent front, side, and rear visibility. The viscous damper cab suspension softens shocks for operator comfort and extends component life.

All steering, direction, and speed changes are made by a left-hand single joystick control. If the operator wants to move the machine forward and to the left, he simply moves the joystick forward and to the left. If he desires a gear change, he merely twists his wrist. The machine responds to the movement of the lever providing the operator with the feeling of natural control with Komatsu’s joystick.

Easy-to-Operate Work Equipment Control Lever

With the Closed-center Load Sensing (CLSS) hydraulic system, blade lever stroke is directly proportional with blade speed, regardless of the load and travel speed. This results in superb, fine controllability.

Benefits of CLSS

- More precise and responsive operation due to the pressure compensation valve.
- Reduced fuel consumption by discharging only the required amount of oil from the pump.
- The work equipment moves smoothly for operations such as side-cutting even when priority is given to steering.

CLSS for D65E-12 and D65P-12
Field-Proven Engine
Powerful S6D125E-2 (D65P) and 6D125E-2 (D65E) diesel engines provide a massive output of 142 kW 190 HP (D65P) and 135 kW 180HP (D65E). The engine power is transmitted smoothly to the final drives via a high-efficiency torque converter.

Modular Designed Power Train Units
The modular design allows easy removal and installation of any individual unit for shorter downtime.

Flat Bottom Frame
A flat bottom frame, the monocoque track frames and forward-mounted pivot shafts provide good maneuverability in muddy terrain by preventing mud from building up under the frame.

Sturdy Design
Because fewer components mean greater reliability, we’ve designed a simple hull frame made of a thick, single plate. Track frames have a large-section construction for maximum rigidity. Even the box-section construction of the blade back beam is reinforced, all with durability in mind.

RELIABILITY FEATURES

Tough Undercarriage
Large-diameter bushings, increased track link heights, and improved oil-seals help to increase undercarriage durability. Serviceability has also been improved with the addition of remote greasing of the equalizer bar center pin.

Low Drive and Long Track Undercarriage
Komatsu’s design is extraordinarily tough and offers excellent grading ability and stability.

EASY MAINTENANCE

Wet, Multiple-Disc Brakes
Eliminate brake-band adjustments for maintenance-free operation.

Coolant Reservoir
A radiator coolant reservoir makes it easier to check the coolant level and eliminates frequent refilling.

Oil Pressure Check Ports (optional)
Oil pressure check ports for the power train are centralized on the right hand side of the operator platform for easy access.

Gull-Wing Engine Side Covers (optional)
A gas-spring cylinder opens the gull-wing engine side covers widely, allowing the engine and auxiliary components to be easily checked.
ENGINE

Model:
- D65E-12: Komatsu 6D125E-2
- D65P-12: Komatsu 6D125E-2

Type: 4-stroke cycle, water-cooled, direct injection

Aspiration:
- D65E-12: Natural aspiration
- D65P-12: Turbocharged

Number of cylinders: 6

Bore: 125 mm 4.92"

Stroke: 150 mm 5.91"

Net flywheel horsepower*:
- D65E-12: 135 kW 180 HP @ 1950 rpm
- D65P-12: 142 kW 190 HP @ 1950 rpm

Piston displacement: 11.04 ltr 674 in³

Net maximum torque:
- D65E-12: 799 N·m 81.5 kg·m 589 lb·ft @ 1100 rpm
- D65P-12: 981 N·m 100 kg·m 723 lb·ft @ 1200 rpm

Final Drive

Double-reduction final drives of spur gear and planetary gears to minimize transmission of shocks to power train components. Segmented sprocket are bolt-on for easy in-the-field replacement.

STEERING

Joystick controls for all directional movements. Pushing the joystick forward results in forward machine travel, while pulling it rearward reverses the machine. Simply tilt the joystick to the left to make a left turn. Tilt it to the right for a right turn.

Wet, multiple-disc steering clutches are hydraulically loaded and hydraulically released. Wet, multiple-disc brakes are spring-actuated and hydraulically released. Steering brakes also function as service and parking brakes.

Minimum turning radius*:
- D65E-12: 3.2 m 10’8”
- D65P-12: 3.6 m 11’11”

UNDERCARRIAGE

Suspension: Oscillation with equalizer bar and forward mounted pivot shafts

Number of carrier rollers (each side): 2

Track shoes: Lubricated tracks. Unique dust seals for preventing entry of foreign abrasives into pin-to-bushing clearances for extended service. Track tension is easily adjusted with a grease gun.

UNDERCARRIAGE

D65E/P-12 Power Shift

Maximum usable pull depends on traction and weight of tractor including mounted equipment.

Drawbar Pull vs. Speed

<table>
<thead>
<tr>
<th>Travel speed</th>
<th>Forward</th>
<th>Reverse</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>0–3.9 km/h</td>
<td>0–2.4 mph</td>
</tr>
<tr>
<td>2nd</td>
<td>0–6.8 km/h</td>
<td>0–4.2 mph</td>
</tr>
<tr>
<td>3rd</td>
<td>0–10.6 km/h</td>
<td>0–6.6 mph</td>
</tr>
</tbody>
</table>

D65E-12

| Number of track rollers (each side) | 7 |
| Number of shoes (each side)        | 39 |
| Grouser height (mm)                | 65 2.6" |
| Shoe width (standard) (mm)          | 510 20.1" |
| Ground contact area (cm²)           | 27255 |
| Ground pressure (Tractor) (kPa)     | 55.9 |
| Ground pressure (Tractor) (psi)     | 8.11 |
| Track gauge (mm)                    | 1880 72" |
| Length of track on ground (mm ft/in)| 2675 9" |

D65P-12

| Number of track rollers (each side) | 8 |
| Number of shoes (each side)        | 45 |
| Grouser height (mm)                | 65 2.6" |
| Shoe width (standard) (mm)          | 915 36.0" |
| Ground contact area (cm²)           | 60115 |
| Ground pressure (Tractor) (kPa)     | 27.5 |
| Ground pressure (Tractor) (psi)     | 3.98 |
| Track gauge (mm)                    | 2050 69" |
| Length of track on ground (mm ft/in)| 3285 109" |
**COOLANT AND LUBRICANT CAPACITY (REFILLING)**

<table>
<thead>
<tr>
<th>Item</th>
<th>D65E-12</th>
<th>D65P-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coolant</td>
<td>52 ltr</td>
<td>52 ltr</td>
</tr>
<tr>
<td>Fuel tank</td>
<td>406 ltr</td>
<td>406 ltr</td>
</tr>
<tr>
<td>Engine oil</td>
<td>38 ltr</td>
<td>38 ltr</td>
</tr>
<tr>
<td>Damper, transmission, bevel gear, and steering system</td>
<td>1.7 ltr</td>
<td>1.7 ltr</td>
</tr>
<tr>
<td>Final drive (each side)</td>
<td>48 ltr</td>
<td>48 ltr</td>
</tr>
<tr>
<td>D65E-12</td>
<td>24 ltr</td>
<td>24 ltr</td>
</tr>
<tr>
<td>D65P-12</td>
<td>27 ltr</td>
<td>27 ltr</td>
</tr>
</tbody>
</table>

**OPERATING WEIGHT (APPROXIMATE)**

<table>
<thead>
<tr>
<th>Weight</th>
<th>D65E-12</th>
<th>D65P-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tractor weight, with rated capacity of lubricant, coolant, full fuel tank, operator and standard equipment.</td>
<td>15620 kg</td>
<td>16940 kg</td>
</tr>
<tr>
<td>Operating weight, with semi-U-tilt dozer (E) or straight tilt dozer (P), ROPS canopy, steel cab, operator, standard equipment, rated capacity of lubricant, coolant, and full fuel tank.</td>
<td>19125 kg</td>
<td>20185 kg</td>
</tr>
</tbody>
</table>

**DIMENSIONS**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>D65E-12</th>
<th>D65P-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>5440 mm</td>
<td>5520 mm</td>
</tr>
<tr>
<td>B</td>
<td>1880 mm</td>
<td>2050 mm</td>
</tr>
<tr>
<td>C</td>
<td>3165 mm</td>
<td>3165 mm</td>
</tr>
<tr>
<td>D</td>
<td>2990 mm</td>
<td>2990 mm</td>
</tr>
<tr>
<td>E</td>
<td>2675 mm</td>
<td>3285 mm</td>
</tr>
<tr>
<td>F</td>
<td>510 mm</td>
<td>915 mm</td>
</tr>
<tr>
<td>G</td>
<td>65 mm</td>
<td>65 mm</td>
</tr>
<tr>
<td>H</td>
<td>1270 mm</td>
<td>1270 mm</td>
</tr>
<tr>
<td>H*</td>
<td>1830 mm</td>
<td>1490 mm</td>
</tr>
<tr>
<td>I</td>
<td>1490 mm</td>
<td>1490 mm</td>
</tr>
<tr>
<td>I*</td>
<td>1600 mm</td>
<td>1600 mm</td>
</tr>
<tr>
<td>J</td>
<td>2300 mm</td>
<td>2300 mm</td>
</tr>
<tr>
<td>K</td>
<td>1220 mm</td>
<td>N/A</td>
</tr>
<tr>
<td>L</td>
<td>2170 mm</td>
<td>N/A</td>
</tr>
<tr>
<td>M</td>
<td>950 mm</td>
<td>N/A</td>
</tr>
</tbody>
</table>

*Dimension with semi-U dozer and multi-shank ripper (D65E) and straight tilt dozer (D65P).*

*ROPS canopy without cab.*
Closed-center Load Sensing System (CLSS) designed for precise and responsive control and for efficient simultaneous operation.

**Hydraulic control unit:**
All spool control valves externally mounted beside the hydraulic tank.
Type of pump: Gear pump
Capacity (discharge flow at rated engine rpm): 180 ltr/min 47.6 U.S. gal/min
Relief valve setting: 20.6 MPa 210 kgf/cm² 2,990 psi
**Hydraulic cylinders:** Double-acting, piston

<table>
<thead>
<tr>
<th>Number of cylinders</th>
<th>Bore</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blade lift</td>
<td>2</td>
</tr>
<tr>
<td>Blade tilt</td>
<td>1</td>
</tr>
<tr>
<td>Ripper lift</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>95 mm 3.74*</td>
</tr>
<tr>
<td></td>
<td>140 mm 5.51*</td>
</tr>
<tr>
<td></td>
<td>140 mm 5.51*</td>
</tr>
</tbody>
</table>

**Control valves:**
Spool control valve for semi-U tilt dozer and straight tilt dozer.
Positions:
Blade lift: Raise, hold, lower, and float
Blade tilt: Right, hold, and left
Spool control valve for angle dozer.
Positions:
Blade lift: Raise, hold, lower, and float
Additional control valve for multi-shank ripper
Positions:
Ripper lift: Raise, hold, and lower

**Hydraulic oil capacity (refilling):**
Semi-U tilt dozer: 55.0 ltr 14.5 U.S. gal
Straight tilt dozer: 55.0 ltr 14.5 U.S. gal
Angle tilt dozer: 55.0 ltr 14.5 U.S. gal
Multi-shank ripper: 55.0 ltr 14.5 U.S. gal

**Use of high tensile strength steel in moldboard for strengthened blade construction.**

<table>
<thead>
<tr>
<th>Overall Length</th>
<th>Blade Capacity</th>
<th>Blade Width</th>
<th>Max. Lift</th>
<th>Max. Drop</th>
<th>Max. Tilt</th>
<th>Additional Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>With Dozer</td>
<td>Width x Height</td>
<td>Above Ground</td>
<td>Below Ground</td>
<td>Adjustment</td>
<td></td>
<td>Dozer equipment</td>
</tr>
<tr>
<td>mm ft.in</td>
<td>mm ft.in</td>
<td>mm ft.in</td>
<td>mm ft.in</td>
<td>mm ft.in</td>
<td>mm ft.in</td>
<td>kg kgf/cm² psi</td>
</tr>
<tr>
<td>D6E-12 Semi-U Tilt Dozer</td>
<td>5440</td>
<td>17’10”</td>
<td>5.61</td>
<td>3460 x 1425</td>
<td>1105</td>
<td>440</td>
</tr>
<tr>
<td>D6E-12 Straight Tilt Dozer</td>
<td>5260</td>
<td>17’3”</td>
<td>3.89</td>
<td>3415 x 1225</td>
<td>1105</td>
<td>440</td>
</tr>
<tr>
<td>D6E-12 Angle Dozer</td>
<td>5470</td>
<td>17’11”</td>
<td>3.55</td>
<td>3970 x 1100</td>
<td>1185</td>
<td>450</td>
</tr>
<tr>
<td>D6P-12 Straight Tilt Dozer</td>
<td>5520</td>
<td>18’1”</td>
<td>3.69</td>
<td>3970 x 1100</td>
<td>1105</td>
<td>540</td>
</tr>
</tbody>
</table>

**Remarks:**
*: Blade capacities are based on the SAE recommendation practice J1265.

**STANDARD EQUIPMENT FOR BASE MACHINE**

- Air cleaner, double element with dust indicator
- Alternator, 35 ampere
- Batteries, 140 Ah/2 x 12V
- Blower cooling fan
- Decelerator pedal
- Electronic instrument monitor panel
- Engine hood
- Fenders
- Lighting system, (includes 2 front, 1 rear)
- Mono-lever steering
- Muffler with curved exhaust pipe
- Radiator guard door, flat
- Radiator reserve tank
- Rear cover
- ROPS mounting brackets
- Starting motor, 7.5 kW/24V
- Wet, multiple-disc steering clutch/brake
- Seat, adjustable
- Track roller guard, center section (P)
- Track roller guard, end sections (E)
- Track shoe assembly
  —Heavy-Duty sealed and lubricated track
  —510 mm 20” single grouser shoe (E)
  —915 mm 36.0” single grouser shoe (P)
- Underguards, oil pan and transmission
OPTIONAL EQUIPMENT

- Air conditioner
- AR track assembly (abrasion resistant bushings)
- Backup alarm
- Cab
- Cab accessories — Cup holder — Lunch box holder — Rear view mirror
- Cooling fan, reversible
- Engine side covers, gull-wing
- Front pull hook
- Hitch type drawbar
- Heater and defroster
- High mount foot rests
- Hydraulics for ripper (E)
- Intake pipe with precleaner
- Light working, cab additional
- Locks, filler caps and covers
- Pressure check ports for power train
- Radiator core protective grid
- Rigid type drawbar
- ROPS canopy
- ROPS canopy with sweep
- Seat belt, retractable
- Suspension seat, with high-back
- Suspension seat, reclining with fabric material (cab only)
- Track roller guard, full length
- Underguard, heavy-duty
- Vandalism protection cover for instrument panel
- Water separator

ROPS CANOPY
- Additional weight 420 kg 930 lb
- Roof dimensions:
  — Length: 1830 mm 6’0”
  — Width: 1600 mm 5’3”
  — Height from operator compartment floor: 1700 mm 5’7”
- Additional ground pressure
  D65E 1.5 kPa/0.015 kgf/cm²/0.21 psi
  D65P 0.7 kPa/0.007 kgf/cm²/0.10 psi

STEEL CAB
- Additional weight 285 kg 630 lb
- All-weather, enclosed pressurized cab
- Dimensions:
  — Length: 1765 mm 5’9”
  — Width: 1720 mm 5’8”
  — Height from floor to ceiling: 1515 mm 5’0”
- Additional ground pressure
  D65E 1.0 kPa/0.010 kgf/cm²/0.14 psi
  D65P 0.6 kPa/0.006 kgf/cm²/0.09 psi

ROPS CANOPY FOR CAB
- Additional weight 340 kg 750 lb
- Roof dimensions:
  — Length: 1270 mm 4’2”
  — Width: 1490 mm 4’11”
  — Height from operator compartment floor: 1705 mm 5’7”
- Additional ground pressure
  D65E 1.2 kPa/0.012 kgf/cm²/0.17 psi
  D65P 0.6 kPa/0.006 kgf/cm²/0.09 psi

MULTI-SHANK RIPPER (for D65E)
- Additional weight (including hydraulic control unit): 1680 kg 3,700 lb
- Beam length: 2170 mm 7’1”
- Maximum digging depth: 595 mm 1’11”
- Maximum lift above ground: 640 mm 2’1”
- Additional ground pressure 5.9 kPa/0.08 kgf/cm²/0.85 psi

SHOES

<table>
<thead>
<tr>
<th>Models</th>
<th>Shoe Description</th>
<th>Additional weight</th>
<th>Ground contact area</th>
<th>Additional ground pressure to tractor</th>
</tr>
</thead>
<tbody>
<tr>
<td>D65E</td>
<td>560 mm 22.0” single-grouser shoe</td>
<td>+120 kg +260 lb</td>
<td>2960 cm² 4,644 in²</td>
<td>-3.9 kPa -0.64 kgf/cm² -0.57 psi</td>
</tr>
<tr>
<td>D65P</td>
<td>610 mm 24.0” single-grouser shoe</td>
<td>+230 kg +510 lb</td>
<td>3263 cm² 5,058 in²</td>
<td>-7.8 kPa -0.86 kgf/cm² -1.14 psi</td>
</tr>
<tr>
<td></td>
<td>660 mm 26.0” single-grouser shoe</td>
<td>+360 kg +790 lb</td>
<td>3531 cm² 5,473 in²</td>
<td>-11.8 kPa -1.12 kgf/cm² -1.71 psi</td>
</tr>
<tr>
<td></td>
<td>950 mm 37.4” circular-arc shoe</td>
<td>+50 kg +110 lb</td>
<td>6242 cm² 9,675 in²</td>
<td>-1.0 kPa -0.01 kgf/cm² -0.14 psi</td>
</tr>
</tbody>
</table>