

KOMATSU®

D21

FLYWHEEL HORSEPOWER
29.5 kW **40 HP** @ 2450 rpm

OPERATING WEIGHT
3950 kg - 4180 kg
8710 lb - 9220 lb



D
21

COMPACT DOZER



Photos may include optional equipment

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Easy Transportation:

With an operating weight between **8,710 lb** 3950 kg to **9,220 lb** 4180 kg, the D21 can be loaded onto a trailer and easily transported to practically any job site.

Walk-Through Operator's Compartment:

The operator's compartment is ergonomically designed, allowing for easy on and off access.

Simple Speed Change:

The HYDROSHIFT transmission allows for easy speed changes with a simple twist of the control lever.

Smooth and Easy Control:

The HYDROSHIFT transmission offers greater control and accuracy while maintaining grading performance.

Single-Lever Control:

The 6-way power angle-tilt blade movement is controlled by a single-joystick. Pushing a button on the hydraulic control lever switches tilt to angle control. Pressure Proportional Control (**PPC**) Joystick provides reduced operating effort.

Simplified Maintenance:

Easy to use spin-on type filters are utilized throughout the machine allowing for quick replacement. The air cleaner has an automatic evacuator which extends the cleaning interval.



Long Track with Steel or Rubber Chain:

The long track and the machines' well-positioned center of gravity give good balance for easy grading and slope operations. In addition, rubber or steel track chain allows the machine to easily travel over soft ground and muddy areas.

Lifetime Lubricated Idlers and Track Rollers:

The D21 undercarriage features longer life and reduced maintenance costs with sealed track links and lifetime lubricated idlers and track rollers. These eliminate any periodic greasing for simplified maintenance and minimizes internal pin and bushing wear for longer service life.

Fine Movement:

The joystick and inching pedal combination provides more precise grading accuracy.

SPECIFICATIONS

D21
COMPACT DOZER



ENGINE - EPA CERTIFIED

Model Komatsu 4D94E
 Flywheel Horsepower **40 HP/29.5kw**@2,450 rpm
 Max torque **112 ft. lb.** 152 Nm@1,300 rpm
 No. of cylinders 4
 Bore/Stroke **3.57"/3.94"** 94/100 mm
 Displacement **1.69 cu. in.** 2.8 ltr.
 Fuel injection Direct
 Cooling system Dual circuit, thermostatically controlled liquid cooling
 Electrical system 12 volt
 Battery 1 x 12 volt, 80 Ah
 Alternator 40A
 Air filter dry air filter with pre-filter and safety cartridge



TRANSMISSION

The D21 is equipped with Komatsu's unique HYDROSHIFT transmission which simplifies operator control for more accurate blade/machine placement. This powershift transmission offers smooth, easy maneuvering with greater tractive effort. The Komatsu HYDROSHIFT transmission with planetary gears is hydraulically-controlled and force-lubricated, providing simplified direction and speed changes.

Gears
 Forward/Reverse 2/2
 Speeds
 Forward 1st gear **1.6 mph** 2.6 km/h
 2nd gear **2.7 mph** 4.4 km/h
 Reverse 1st gear **2.1 mph** 3.3 km/h
 2nd gear **3.5 mph** 5.6 km/h
 Max. drawbar pull **9,970 lb** 4520 kg (D21A-7)
 9,880 lb 4480 kg (D21P-7)



STEERING SYSTEM

Single-steering lever controls all direction movement. Wet, multiple-disc steering clutches are Proportional Pressure Controlled (PPC) and interconnected with dry, contracting-band steering brakes to allow easy, light touch steering/braking actions. A PPC valve built into the steering circuit facilitates smooth, shockless steering control. Inching pedal assures smooth, easy starting and stopping, precise inching approaches to obstacles and impact digging.



UNDERCARRIAGE

Sealed and lubricated track chain provides for excellent service life. Track tension is easily adjusted with a grease gun.
 Suspension Rigid-type
 Track roller frame Box-section, high tensile strength steel construction
 Rollers and idlers Lifetime lubricated idlers, track and carrier rollers are sealed
 Number of track rollers 5 each
 Number of carrier rollers 1 each
 Track shoes Single-grouser
 Ground pressure D21A-7 **5.1 psi** .36 kg/cm²
 D21P-7 **3.4 psi** .24 kg/cm²
 Track shoe, width D21A-7 **11.8"** 300mm
 D21P-7 **19.7"** 500mm



OPERATING WEIGHT (APPROXIMATE):

Operating weight includes; power angle tilt dozer, rated capacity of lubricant, coolant, full fuel tank, standard equipment and operator.
D21A-7 **8,710 lb** 3950 kg
D21P-7 **9,220 lb** 4180 kg



HYDRAULIC SYSTEM

System Gear-type hydraulic pump mounted on rear of engine
 Hydraulic pressure **2,200 psi** 155 bar
 Hydraulic pump flow **15.6 gpm** 59 l/m
 Control valve: Power angle tilt dozer
 Positions: Blade lift raise, hold, lower and float
 Blade angle left, hold and right
 Blade tilt left, hold and right
 Hydraulic cylinders: Double-acting, piston-type
 Blade angling and tilting hydraulic hoses are protected from damage with steel guards.



SERVICE REFILL CAPACITIES

Fuel tank **13.2 US gal.** 50.0 ltr.
 Coolant system **2.0 US gal.** 7.6 ltr.
 Engine oil **2.1 US gal.** 7.9 ltr.
 Hydraulic system **8.7 US gal.** 32.9 ltr.
 Final drive (each) **1.6 US gal.** 6 ltr.

Standard Equipment

- Air cleaner, dry-type with automatic evacuator and restriction indicator light
- Alternator, 12V, 40 A
- Alternator indicator light
- Back-up alarm
- Battery, 12V, 80 Ah
- Blower fan, engine
- Crankcase guard
- Engine oil pressure indicator light
- Engine pre-heat indicator light
- Engine water temperature gauge
- Fuel gauge
- Hitch-type drawbar
- Horn
- Hour meter
- Hydraulic track adjusters
- Inching, pedal
- Joystick blade control
- Lights, front (2) rear (1)
- Locks, vandalism protection
- Parking brake
- PAT blade
- Safety lock, blade control
- Safety lock, travel control
- Single-grouser shoes (D21A-7) **11.8"** 300 mm
- Single-grouser (D21P-7) **20.1"** 510 mm
- Single-lever steering
- Suspension seat
- *ROPS Canopy
- Track roller guards, end section
- 3" wide seat belt

Attachments and Optional Equipment

- Decelerator Pedal
- Heater and Defroster
- Radiator guard door, perforated
- *ROPS cab
- Rubber track **12"** 300 mm (D21A-7)
19.7" 500 mm (D21P-7)
- Swing drawbar
- Track-roller guards, full length
- **13.4"** 340 mm single grouser shoes (D21A-7)

*ROPS cab and ROPS canopy meet ISO 3471, SAE J1040(APR88) ROPS standards.

