

KOMATSU D20A, D21A



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Japanese Manufactured, Worlds No 1 selling Dozer - 4 Cylinder Komatsu Diesel Fuel efficiency 40HP engine. These Dozers are well suited for small acreage to the man on the land that leads to clear small to medium scrub. Ripper options are available for all Dozers and can be packaged with ROPS canopy if required to the application intended. Full workshop service and supplied with workshop manual. These Dozers are not toys, they surprise most 1st time users as to there strength and capabilities.

Specifications

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 **169 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

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 **5.1 psi** .36 kg/cm2
Track shoe, width **11.8"** 300mm

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 2/2
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

OPERATING WEIGHT (APPROXIMATE):

Operating weight includes; power angle tilt dozer, rated capacity of lubricant, coolant, full fuel tank, standard equipment and operator.
..... **8,710 lb** 3950 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

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.

SERVICE REFILL CAPACITIES

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
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Blade angling and tilting hydraulic hoses are protected from damage with steel guards.

Standard Equipment

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

Dimensions:

