

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



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
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



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



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

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



SERVICE REFILL CAPACITIES

System Gear-type hydraulic pump mounted on rear of engine
Hydraulic pressure **2,200 psi** 155 bar
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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 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
Engine oil pressure indicator

Single-grouser shoes
11.8" 300 mm

Single-lever steering
Suspension seat
Track roller guards, end section
3" wide seat belt

Dimensions:

