

KOMATSU D20P. D21P



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Japanese Manufactured, Worlds No 1 selling Dozer - with "A" tracks for superior stability. 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	
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	.9,880 lb 4480 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	.3.4 psi 36 kg/cm2
Track shoe, width	.20.1" 510mm



OPERATING WEIGHT (APPROXIMATE):

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

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
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Standard Equipment

Air cleaner, dry-type with automatic evacuator and restriction indicator light	Engine pre-heat indicator light	Inching, pedal	"A" tracks SWAMP shoes 20.1" 500 mm
Alternator, 12V, 40 A	Engine water temperature gauge	Joystick blade control	Single-lever steering
Alternator indicator light	Fuel gauge	Lights, front (2) rear (1)	Suspension seat
Back-up alarm	Hitch-type drawbar	Locks, vandalism protection	Track roller guards, end section
Battery, 12V, 80 Ah	Hour meter	Parking brake	3" wide seat belt
Blower fan, engine	Hydraulic track adjusters	PAT blade	
Crankcase guard light		Safety lock, blade control	
		Safety lock, travel control	
		Engine oil pressure indicator	

Dimensions:

