

KOMATSU®

HORSEPOWER

32.4 kW 43.4 HP @ 2450 rpm

OPERATING WEIGHT

D21A-8E0: 3710 kg 8,180 lb

D21P-8E0: 4100 kg 9,040 lb

D21A-8E0 D21P-8E0

**D
21**

CRAWLER DOZER



Photo may include optional equipment.

WALK-AROUND

Responsive Operation:

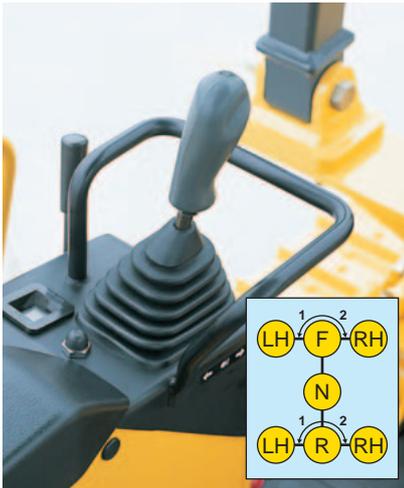
A single joystick on the left controls all speed and directional changes including:

- 1st to 2nd
- Forward and reverse
- Right and left steering

A single joystick on the right controls all blade functions including:

- Lifting
- Angling
- Tilting

This left and right joystick system offers unparalleled control for shorter cycle times.



Easy-to-see Instrument Panel:

Ergonomically arranged meters and lamps make it easier to check the machine condition. In addition, fuel meter and dust indicator lamp installed on the panel for easy servicing.

Walk-through Operator's Compartment:

The operator's compartment has a complete walk-through design, making for easy getting on and off.

Single-lever Steering/Speed/ Directional Change:

All the directional changes are carried out with single lever, ensuring smooth turn and superior productivity.



Fuel-efficient 4D94LE-2 Engine:

The Komatsu 4D94LE-2 features a direct-injection fuel system. Intake air is swirled into the combustion chamber where it is mixed with injected, atomized fuel, providing optimum combustion. This fuel system not only contributes to greater power and fuel savings, but also insures reduced noise and cleaner exhaust. A cushion mounted engine reduces noise and vibration.

**Efficient HYDROSHIFT Transmission:**

The D21-8E0 is equipped with Komatsu's unique HYDROSHIFT transmission, assuring smooth gear shifts, powerful traction and low fuel consumption. It consists of a damper and planetary gear packs. The HYDROSHIFT transmission makes two previously incompatible factors compatible: It efficiently converts engine power to traction with minimal power loss through a direct-drive transmission and it offers smooth, easy shifting through powershift transmission equipped with a torque converter.

Unlike ordinary powershift transmissions with torque converters, traction does not decrease, even when the engine is running at partial throttle.

Long Track:

The long track and well-positioned center of gravity give good machine balance and make grading operations and operations on slopes easy. In addition, the machine can travel over soft ground easily, and it can escape from muddy areas without problem.

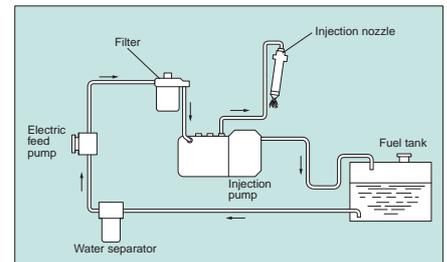
HORSEPOWER
32.4 kW 43.4 HP @ 2450 rpm
OPERATING WEIGHT
D21A-8E0: 3710 kg 8,180 lb
D21P-8E0: 4100 kg 9,040 lb
BLADE CAPACITY
D21A-8E0: 0.50 m³ 0.75 yd³
D21P-8E0: 0.68 m³ 0.89 yd³

Simplified Maintenance:

Spin-on type filters are used throughout the machine, making it easy to replace filter elements. Air cleaner with automatic evacuator extends cleaning interval of the air cleaner.

Automatic De-airation System with Electric Feed Pump:

Ejects air in the fuel system, simply turning on the ignition key when restarting the engine.

**Lifetime Lubricated Idlers and Track Rollers:**

The D21-8E0 undercarriage features longer life and reduced maintenance costs with sealed track links, and lifetime lubricated idlers and track rollers. These eliminate any periodical greasing for simplified maintenance and minimize internal pin and bushing wear for longer service life.

Lubricated Track Links (optional):

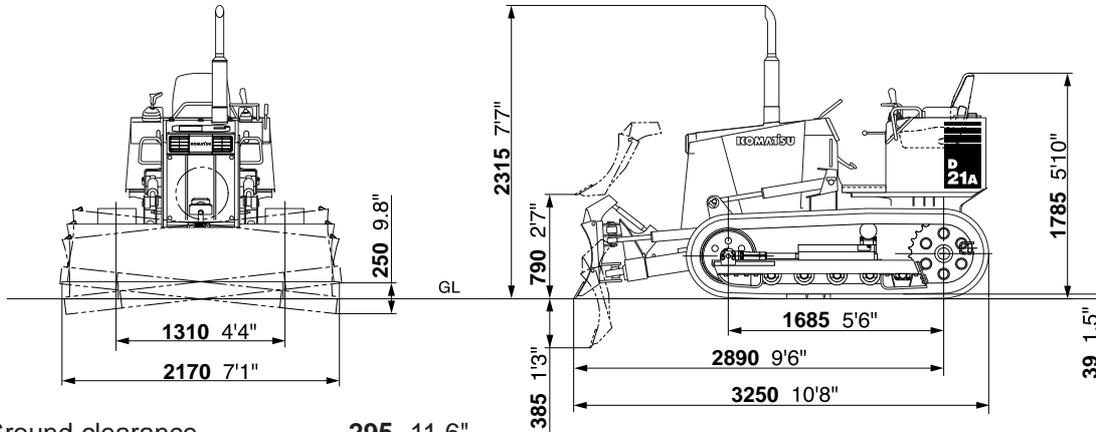
Since the clearance between the link pin and bushing is lubricated, wear and pitch elongation are minimized for extended service life. With lubricated track, power loss due to pin and bushing friction are reduced, increasing operation comfort and performance.



DIMENSIONS

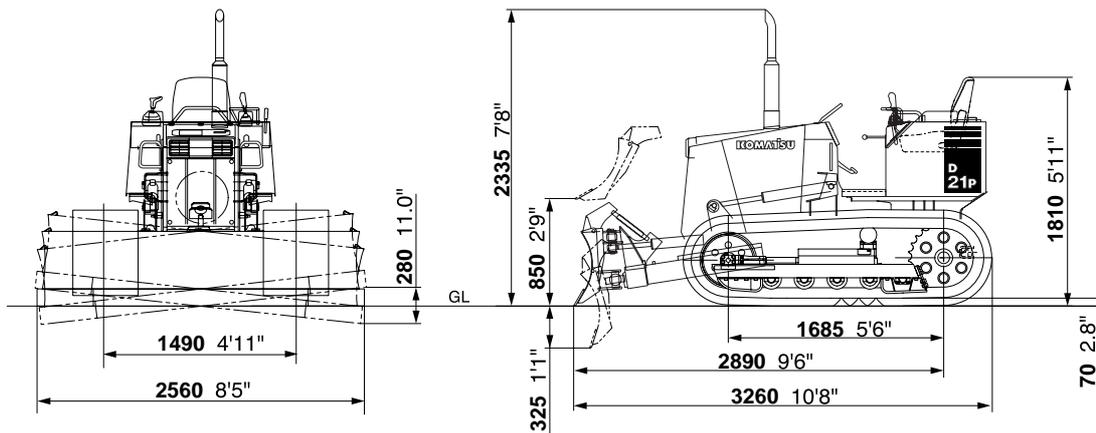
Unit: mm ft.in

D21A-8E0 (equipped with power-angle-tiltdozer)



Ground clearance 295 11.6"

D21P-8E0 (equipped with power-angle-tiltdozer)



Ground clearance 355 1'2"

DOZER EQUIPMENT

Use of high-tensile-strength steel in moldboard extended service. Hydraulic hoses for blade angling and tilting are covered with steel plates and protected from damage.

Power-angle-tiltdozer

	Overall Length With dozer	Blade capacity		Blade length x height	Max. lift above ground	Max. drop below ground	Max. tilt adjustment	Additional weight		Additional ground pressure
		SAE	*LH ²					Blade	Hydraulic control unit	
D21A-8E0	3250 mm	0.57 m ³	0.76 m ³	2170 mm x 590 mm	790 mm	385 mm	250 mm	480 kg	70 kg	0.054 kg/cm ²
	10'8"	0.75 cu.yd	0.99 cu.yd	7'1" x 1'11"	2'7"	1'3"	9.8"	1,060 lb	150 lb	0.77 psi 5.3 kPa
D21P-8E0	3260 mm	0.68 m ³	0.89 m ³	2560 mm x 590 mm	850 mm	325 mm	280 mm	510 kg	70 kg	0.03 kg/cm ²
	10'8"	0.89 cu.yd	1.16 cu.yd	8'5" x 1'11"	2'9"	1'1"	11"	1,120 lb	150 lb	0.43 psi 2.94 kPa

* (L: Blade length) x (H: Blade height)²



STANDARD EQUIPMENT

- 300 mm 11.8" single-grouser shoes (D21A-8E0), 510 mm 20.1" circular-arc shoes (D21P-8E0)
- Hydraulic track adjusters
- 12 V, 40 A alternator
- 12 V, 2.3 kW electric starting motor
- End track guiding guards
- Inching pedal
- Dry-type, interconnected steering clutches and brakes
- In-line radiator cores
- Dry-type air cleaner with automatic dust evacuator and dust indicator lamp
- 12 V, 64 Ah (5 hrs rate capacity) batteries
- 5-roller track frames
- Lighting system (including 2 front and 1 rear lights)
- Blower fan
- Muffler
- Adjustable operator's seat
- Crankcase guard
- Single-lever steering
- Single-lever hydraulic control



OPTIONAL EQUIPMENT

ROPS cab* (except machines for USA)



ROPS canopy*



*ROPS cab and ROPS canopy meet ISO 3471, SAE J/ISO 3471 ROPS standards.

- Front pull hook
- Swing drawbar
- Hitch type drawbar
- Pre-cleaner
- Perforated radiator mask
- F3-R3 Transmission
- Oil-suspension seat
- Track-roller guards, full length
- Lubricated track links
- Backup alarm
- Vandalism protection locks
- Tool kit and ordinary spare parts

Optional shoes

Model	Type of shoe	*Additional weight	Ground contact area	*Additional ground pressure (tractor)
D21A-8E0	340 mm 13.4" single-grouser shoe	+32 kg +71 lb	11460 cm ² 1,780 sq.in	-0.03 kg/cm ² -0.43 psi -2.9 kPa
	300 mm 11.8" single-grouser shoe with hole	-30 kg -66 lb	10110 cm ² 1,570 sq.in	± 0
	300 mm 11.8" triple-grouser shoe with hole	+81 kg +179 lb	10110 cm ² 1,570 sq.in	+0.01 kg/cm ² +0.14 psi + 1.0 kPa
	300 mm 11.8" flat shoe with hole	+8 kg +18 lb	10110 cm ² 1,570 sq.in	± 0
D21P-8E0	510 mm 20.1" single-grouser shoe	-73 kg -161 lb	17190 cm ² 2,664 sq.in	± 0
	300 mm 11.8" flat shoe with hole	-250 kg -551 lb	10110 cm ² 1,570 sq.in	+0.12 kg/cm ² +1.7 psi + 1.8 kPa

*Addition to tractor.

www.Komatsu.com

Printed in Japan 200801 IP.As(10)

KOMATSU®

CEN00305-00

Materials and specifications are subject to change without notice.
KOMATSU is a trademark of Komatsu Ltd. Japan.