



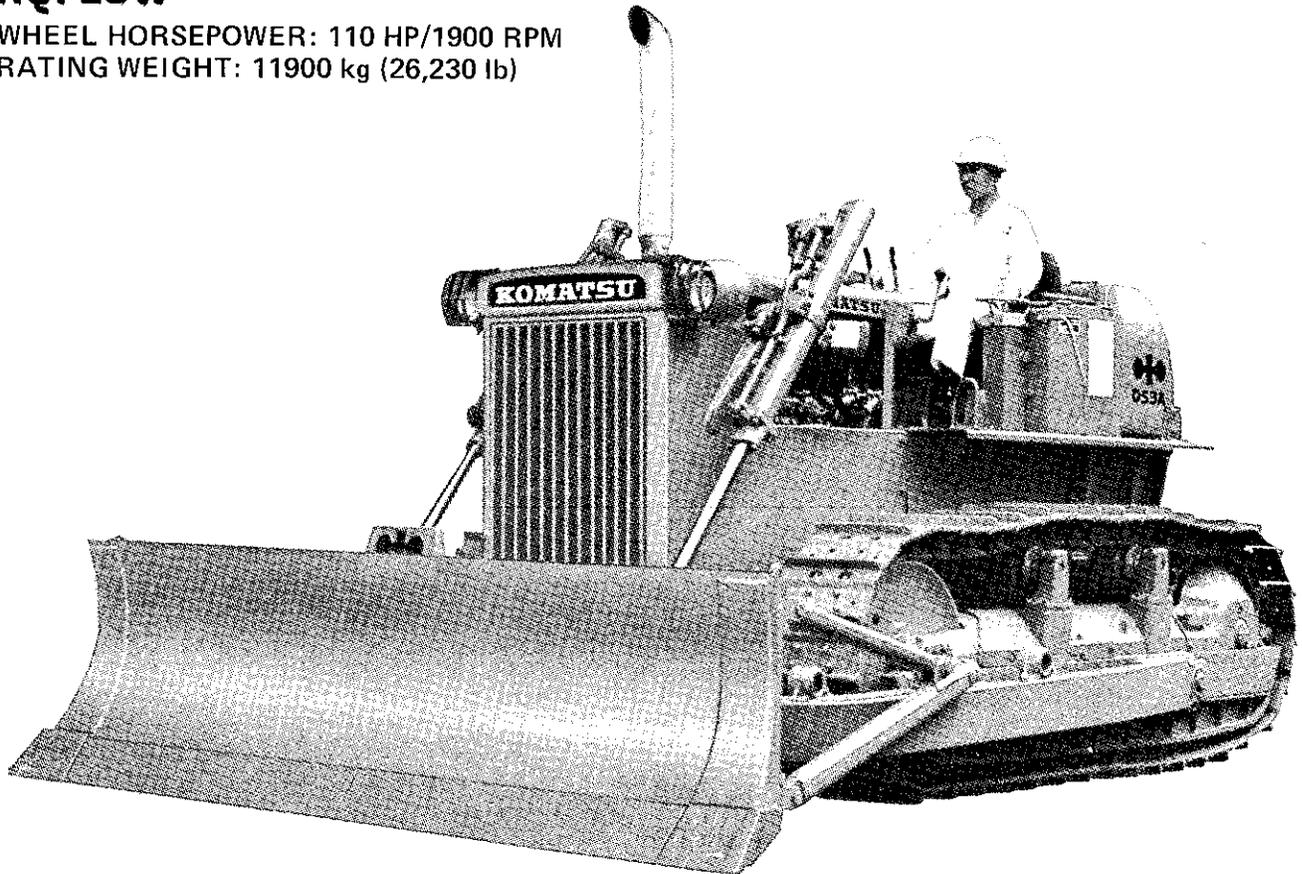
KOMATSU
Shaping the world of tomorrow

D53A-15

BULLDOZER

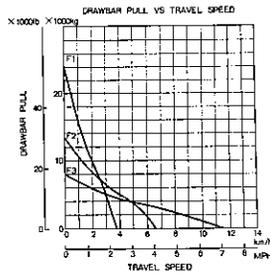
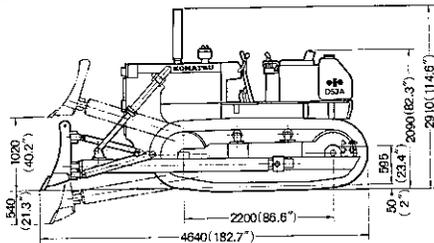
TORQFLOW

FLYWHEEL HORSEPOWER: 110 HP/1900 RPM
OPERATING WEIGHT: 11900 kg (26,230 lb)



- The KOMATSU diesel engine is job-proven for sustained power and fuel economy even at a high altitude of 2500m (8,200 ft) without adjusting engine set.
- Operator's seat is adjustable 108 mm (4.3") forward and backward to minimize operator fatigue.
- KOMATSU TORQFLOW: One lever for split-second, velvet-response control of 3 forward and 3 reverse speeds. Decelerator pedals provide optimum speed without shifting speed change.
- Independent right and left steering levers actuate the steering clutches interconnected with the brakes to enable even a pivot turn. Wet-type steering clutches and brakes ensure longer durability and serviceability.
- Floating seals require no lubrication between overhauls in track and carrier rollers, idler and sprocket for longer serviceability.
- KOMATSU's unique dust seals prevent abrasive particles from entering the track linkage for a longer track life.
- ATTACHMENTS:
Straightdozer, Chipdozer, Angle-Rakedozer, Trimmingdozer, Snow Plow, Hydraulic Ripper, Back Hoe, etc.

D53A-15 SPECIFICATIONS



■ TRACTOR

ENGINE

Model	KOMATSU S4D120-11
Type	Water-cooled, 4-cycle, overhead valve, pre-combustion chamber type, turbocharged diesel engine
No. of cylinders—bore x stroke	4—120 mm x 160 mm (4.72" x 6.30")
Piston displacement	7240 cc (442 cu.in.)
Performance:	
Flywheel horsepower	110 HP/1900 RPM
Max. torque	52 kg.m (375 ft.lb)/1100 RPM
Fuel consumption ratio	185g (0.41 lb)/HP.h
Fuel system:	
Fuel oil	Diesel gas oil, ASTM specification D975-60T No. 2D
Governor	Mechanical, all-speed control
Lubrication system:	
Lubrication method	Gear pump, forced lubrication
Filter	Full-flow type
Oil cooler	Water-cooled
Cooling system	Forced circulation by centrifugal water pump, pusher-type fan
Air cleaner	Dry type with pre-cleaner
Starting method:	
Type	By electric starting motor
Starting motor	24V, 7.4 KW
Generator	24V, 12.5A
Battery	24V (12V x 2)—150 Ah

PERFORMANCE

Travel speed and rated drawbar pull (See chart)

		Travel speed
Forward	1st	0—3.4 km/h (2.1 MPH)
	2nd	0—6.2 km/h (3.9 MPH)
	3rd	0—10.2 km/h (6.3 MPH)
Reverse	1st	0—4.2 km/h (2.6 MPH)
	2nd	0—7.4 km/h (4.6 MPH)
	3rd	0—12.1 km/h (7.5 MPH)
Turning radius		2.7m (8.9 ft)
Gradeability		30°

POWER TRANSMITTING SYSTEM

Torque converter:	
Type	3-element, single stage, single phase
Cooling method	Water-cooled
Transmission:	
Type	Planetary gear and multiple disc clutch hydraulically actuated, forced lubrication
Gear shift	3 forward and 3 reverse speeds
Bevel gear	Spiral bevel gear
Steering system:	
Steering clutch	Wet, multiple disc, spring, hand-operated with spring booster
Steering brake	Wet, contracting band, foot-operated connecting together with steering clutch
Final drive	Spur gear, double reduction

UNDERCARRIAGE

Suspension	Oscillation type, equalizer bar
No. of rollers:	
Carrier roller	2 (each side)
Track roller	5 (each side)
Shoe:	
Type	Assembled, single grouser
Grouser height	50 mm (2")
No. of shoes	39, each side
Pitch	175 mm (6.9")
Width	400 mm (15.7") standard

DIMENSIONS

Overall length	3540 mm (139.4")
Overall width	2050 mm (80.7")
Overall height	2910 mm (114.6")
Track gauge	1600 mm (63.0")
Length of track on ground	2200 mm (86.6")
Ground contact area	17600 cm ² (2728 sq.in.)
Ground pressure	0.57 kg/cm ² (8.11 PSI)
Ground clearance	350 mm (13.8")

DRAWBAR

Type	Pin, fixed
Height of drawbar above ground	595 mm (23.4")

CAPACITY

Coolant	53 ltr (14 U.S. Gal)
Fuel tank	240 ltr (63 U.S. Gal)
Lubricating oil:	
Engine	18 ltr (4.8 U.S. Gal)
Torque converter	38 ltr (10 U.S. Gal)
Transmission	
Bevel gear	37 ltr (9.8 U.S. Gal)
Final drive (each side)	13 ltr (3.4 U.S. Gal)

OPERATING WEIGHT 10070 kg (22,200 lb)

■ ANGLEDOZER EQUIPMENT

DIMENSIONS

Overall length	4640 mm (182.7")
Overall width	3350 mm (131.9")
Overall height	2910 mm (114.6")
Ground pressure	0.68 kg/cm ² (9.67 PSI)

BLADE EQUIPMENT

Type	Angling and tilting blade, hydraulically controlled
Weight	1500 kg (3,310 lb), includes cylinder support 75 kg (170 lb)

Blade:

Type	Brace type
Length x height	3350 mm x 855 mm (131.9" x 33.7")
Digging angle	55°
Max. lift above ground	1020 mm (40.2")
Max. drop below ground	540 mm (21.3")
Max. tilting adjustment	250 mm (9.8")
Blade angle	25°

HYDRAULIC CONTROL UNIT

Weight	330 kg (730 lb)
Max. oil pressure	140 kg/cm ² (2000 PSI)
Hydraulic pump:	
Type	Gear pump
Capacity (discharge flow)	185 ltr (49 U.S. Gal)/min. at engine 1900 RPM
Location	Front of engine
Control valve:	
Type	Spool type
Position	Raise, hold, lower and float
Hydraulic cylinder:	
Type	Double action, piston type
No. of cylinders - bore	2—90 mm (3.5")
Hydraulic oil tank:	
Type	Equipped with built-in control valve
Location	Right side of operator's seat
Filter	Full flow type
Hydraulic oil	53 ltr (14 U.S. Gal)

OPERATING WEIGHT 11900 kg (26,230 lb)

Specifications are subject to change without notice.

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