

D575A-2 SUPER DOZER

KOMATSU

HORSEPOWER
1,150 HP 858 kW

BLADE CAPACITY
90.0 yd³ 69 m³



D575A-2

Super Dozer
CRAWLER DOZER

Specifications



ENGINE

Model Komatsu SA12V170
 Type .. 4-cycle, water-cooled, direct injection
 Aspiration Turbocharged
 No. of cylinders 12
 Bore **6.69"** 170 mm
 Stroke **6.69"** 170 mm
 Piston Displacement **2,825 in³** 463 ltr.
 Flywheel Horsepower:
 SAE J1349 **1,150 HP** 858 kW @ 1800 RPM
 DIN 6270 NET . **1,166 PS** 858 kW @ 1800 RPM
 Governor All-speed, mechanical



TORQFLOW TRANSMISSION

Air-cooled, 3-element, 1-stage, 1 phase torque converter with lock-up clutch and a planetary gear. Multiple-disc clutch transmission which is hydraulically actuated and force-lubricated for optimum heat dissipation.

TRAVEL SPEEDS

	Forward		Reverse	
1	2.3 mph	3.7 km/h	2.8 mph	4.5 km/h
2	4.2 mph	6.8 km/h	5.0 mph	8.0 km/h
3	7.5 mph	12.0 km/h	8.6 mph	13.8 km/h



STEERING SYSTEM

Lever-controlled, wet, multiple-disc steering clutches are spring-loaded and hydraulically released. Wet, multiple-disc, pedal/lever-controlled steering brakes are spring-actuated, and hydraulically released, and require no adjustment. Steering clutches and brakes are interconnected for easy, responsive steering.



OPERATING WEIGHT

314,200 lb 142,500 kg with dozer, ROPS, steel cab, **34"** 860 mm shoes, operator, standard equipment, rated capacity of lubricants, coolant and fuel without counterweight.



FINAL DRIVES

Triple-reduction final drive uses two stage spur and single stage planetary gears (five) to minimize transmission of shocks to powertrain components. Segmented sprocket rims are bolt-on type for easy in-the-field replacement.



UNDERCARRIAGE

Suspension .. Oscillation-type equalizer bar and pivot shaft

Track roller frame Box-section, high-tensile-strength steel construction

Rollers Lubricated rollers are resiliently mounted to roller frame through a series of exclusive X-type bogies whose oscillating motion is restricted by rubber pads.

Undercarriage...Lubricated tracks. Extreme service shoes. Unique dust seals for preventing entry of contaminants into pin-to-bushing clearances for extended service. Track tension easily adjusted with grease gun.

	D575A-2
No. of shoes each side	49 (each side)
Grouser height	4.1" 105 mm Single Grouser
Shoe width (standard)	34" 860 mm
Ground contact area	14,623 in² 94,342 cm ²
Ground pressure*	21.5 PSI* 1.51 kg/cm ²
No. of track rollers	8
No. of carrier rollers	2

* without counterweight



COOLANT & LUBRICANT CAPACITY (refill)

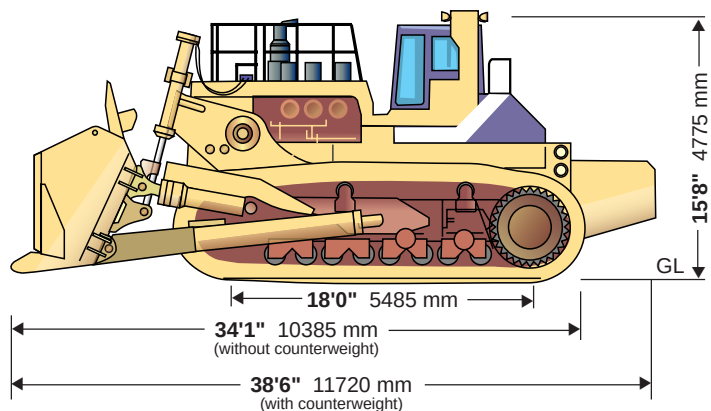
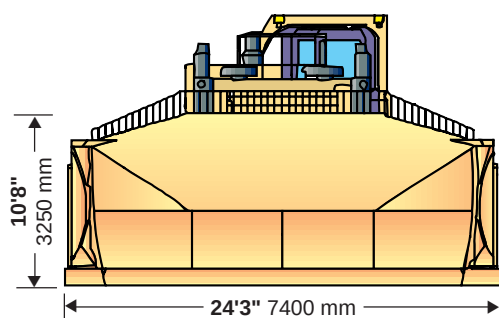
Fuel tank **555 gal** 2100 ltr.
 Cooling system **78.7 gal** 298 ltr.
 Engine lubrication **34.1 gal** 129 ltr.
 Torque converter,
 transmission, bevel gear
 & steering system **91 gal** 345 ltr.
 Final drive (each side) **42.2 gal** 160 ltr.
 Hydraulic oil **79 gal** 300 ltr.

D575A-2
Super Dozer



DIMENSIONS

D575A-2 equipped with ROPS Cab and super dozing blade for heavy overburden



HYDRAULIC SYSTEM

Hydraulic control unit:

Control valves 2-spool type control valves
 Hydraulic pumps Gear type pumps with capacity of
332 gal/min 1258 ltr/min at rated engine speed
 Relief valve setting **2,990 PSI** 210 kg/cm²

Blade position control:

Blade lift Raise, hold, lower
 Blade tilt Left, hold and right
 Pitching Forward, hold, rearward

Hydraulic cylinders: Double-acting, piston type

	Number of cylinders	Bore
Blade lift	2	8.86" 225 mm
Blade tilt and pitch	2	11.81" 300 mm



DOZER EQUIPMENT

The D575A-2 uses K-brace type construction of the blade support and uses high-tensile-strength steel in the moldboard to ensure extended service. Blade tilting hoses run through the frame for maximum protection.

Super Dozing Blade	Blade capacity	Blade length x height	Max. lift above ground	Max. drop below ground	Max. tilt adjustment		Total Machine Weight
					Left	Right	
Overburden	90 yd³	24'3" x 10'8"	5'9"	2'8"	3'3"	3'3"	314,200 lb
Rock	69 m ³	7400 mm x 3250 mm	1740 mm	800 mm	1000 mm	1000 mm	142500 kg
Overburden	90 yd³	25'3" x 10'8"	5'9"	2'8"	3'5"	3'5"	316,200 lb
Soil	69 m ³	7700 mm x 3250 mm	1750 mm	805 mm	1040 mm	1040 mm	143400 kg

STANDARD EQUIPMENT

- Air cleaner, dry-type with automatic dust evacuator and dust indicator
- Alternator, 24 V/75 A
- Air conditioner with heater and defroster
- Automatic blade repositioner
- Auto pitch forward system
- Batteries, 4 x 12 V/200 Ah
- Blower fan
- Decelerator pedal
- Electronic monitor/display system
- Final drive case wear guard
- Front pull hook
- Hydraulic control unit
- Lighting system (including 4 rear and 8 front lights)
- Power pitch/tilt blade system
- ROPS
- Sealed and lubricated tracks
- Seat, oil-suspension with seat belt
- Segmented sprockets
- Shoes, **34"** 860 mm single-grouser
- 24 V/22 kW (11 KW x 2) electric starters
- Sound-suppressed cab with FOPS
- TORQFLOW transmission
- 8-roller track frames
- Vandalism protection locks and backup alarm

OPTIONAL EQUIPMENT

- Fire extinguisher
- Counterweight (**11,900 lb** 5400 kg)
- Fast-fill fuel system
- Additional lighting system
- Shoes **36"** 910 mm
- AM/FM radio with cassette player

Other optional equipment is available through your local Komatsu Distributor.

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