

KOMATSU®

D155A-6

HORSEPOWER

Gross: 268 kW 360 HP @ 1900 rpm

Net: 264 kW 354 HP @ 1900 rpm

OPERATING WEIGHT

41700 kg 91,930 lb

BLADE CAPACITY

Semi-U DOZER: 9.4 m³ 12.3 yd³

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155A

CRAWLER DOZER



Photo may include optional equipment.

SPECIFICATIONS



ENGINE

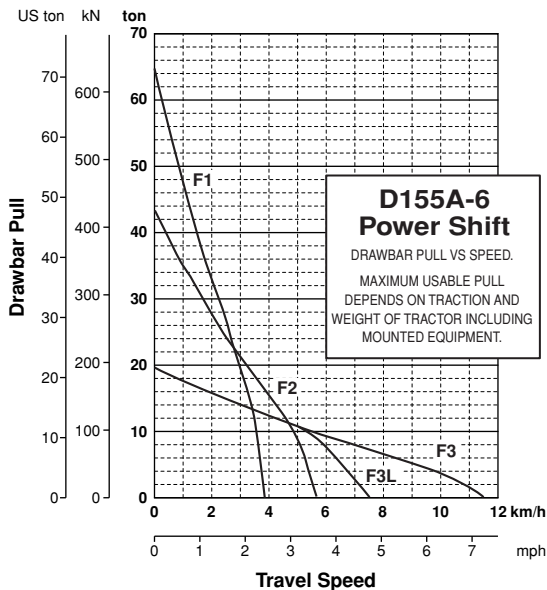
Model Komatsu SAA6D140E-5
 Type 4-cycle, water-cooled, direct injection
 Aspiration Turbocharged, air-to-air aftercooled
 Number of cylinders 6
 Bore x stroke **140 mm x 165 mm** 5.51" x 6.50"
 Piston displacement **15.24 ltr** 930 in³
 Governor All-speed and mid-range, electronic
 Horsepower
 SAE J1995 Gross **268kW** 360HP
 ISO 9249 / SAE J1349* Net **264kW** 354HP
 Rated rpm 1900rpm
 Fan drive type Hydraulic
 Lubrication system
 Method Gear pump, force lubrication
 Filter Full-flow
 *Net horsepower at the maximum speed of
 radiator cooling fan **239kW** 320HP
 EPA Tier 2 and EU Stage 2 emissions equivalent.



TORQFLOW TRANSMISSION

Komatsu's automatic TORQFLOW transmission consists of a water-cooled, 3-element, 1-stage, 1-phase torque converter, and a planetary gear, multiple-disc clutch transmission which is hydraulically actuated and force-lubricated for optimum heat dissipation. Gearshift lock lever and neutral switch prevent machine from accidental starts.

Travel speed	Forward	Reverse
1st	3.9 km/h 2.4 mph	4.7 km/h 2.9 mph
2nd	5.7 km/h 3.5 mph	6.8 km/h 4.2 mph
3rd L	7.5 km/h 4.7 mph	9.2 km/h 5.7 mph
3rd	11.4 km/h 7.1 mph	13.7 km/h 8.5 mph



FINAL DRIVES

Double-reduction, spur and planetary final drives increase tractive effort. Segmented sprockets are bolt-on for easy in-the-field replacement.



STEERING SYSTEM

PCCS lever controls for all directional movements. Pushing the PCCS lever forward results in forward machine travel, while pulling it rearward reverses the machine. Simply tilt the PCCS lever to the left to make a left turn. Tilt it to the right for a right turn.

Wet, multiple-disc, pedal-controlled service brakes are spring-actuated and hydraulically released. Gearshift lock lever also applies parking brakes.

Minimum turning radius **2.14 m** 7'0"



UNDERCARRIAGE

Suspension Oscillation-type with equalizer bar and forward mounted pivot shafts

Track roller frame Monocoque, high-tensile-strength steel construction

Track shoes

Lubricated tracks. Unique dust seals for helping prevent entry of foreign abrasives into pin-to-bushing clearance for extended service. Track tension easily adjusted with grease gun.

Number of shoes (each side) 41
 Grouser height **80 mm** 3.1"
 Shoe width (standard/maximum) **560 mm** 22"/**710 mm** 28"
 Ground contact area **35280 cm²** 5,468 in²
 Ground pressure (tractor only) **90.2 kPa** 0.92 kg/cm² 13.1 psi
 Number of track rollers (each side) 7
 Number of carrier rollers (each side) 2



COOLANT AND LUBRICANT CAPACITY (REFILL)

Fuel tank **625 ltr** 165 U.S. gal
 Coolant **82 ltr** 21.7 U.S. gal
 Engine oil **37 ltr** 9.8 U.S. gal
 Damper **1.5 ltr** 0.4 U.S. gal
 Transmission, bevel gear
 and steering system **90 ltr** 23.8 U.S. gal
 Final drive (each side) **31 ltr** 8.2 U.S. gal



OPERATING WEIGHT

Tractor weight **32300 kg** 71,200 lb
 Including rated capacity of lubricant, coolant, full fuel tank, operator and standard equipment

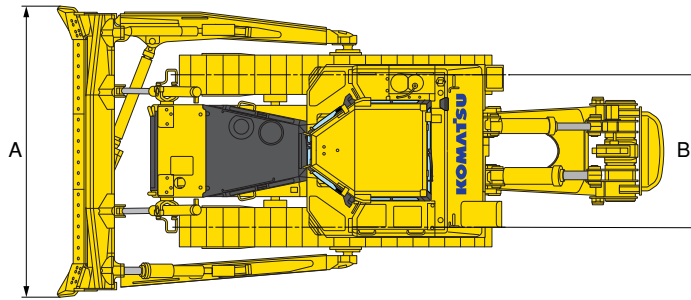
Operating weight **41700 kg** 91,930 lb
 Including Strengthened Semi U, giant ripper, cab, operator, standard equipment, rated capacity of lubricant, coolant, and full fuel tank.

Ground pressure **115.8 kPa** 1.18 kg/cm² 16.8 psi

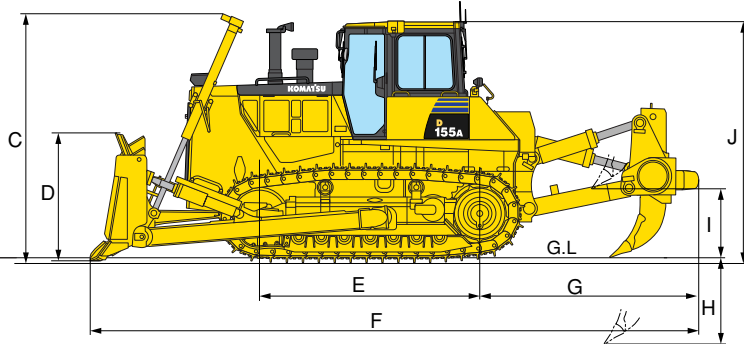


DIMENSIONS

A	4130 mm	13'7"
B	2140 mm	7'
C	3510 mm	11'6"
D	1790 mm	5'10"
E	3150 mm	10'4"
F	8680 mm	28'6"
G	3100 mm	10'2"
H	1370 mm	4'6"
I	900 mm	2'11"
J	3395 mm	11'2"



Ground clearance: 500 mm 1' 8"



HYDRAULIC SYSTEM

Closed-center load sensing system (CLSS) designed for precise and responsive control, and for efficient simultaneous operation.

Hydraulic control unit:

All spool control valves externally mounted beside the hydraulic tank. Variable piston pump with capacity (discharge flow) of **200 ltr/min** 52.8 U.S. gal/min for implement at rated engine rpm.

Relief valve setting . . . for implement **27.5 MPa** 280 kg/cm² 3,980 psi

Control valves:

Spool control valve for Semi-U tilt dozer and Full-U tilt dozer.

- Positions: Blade lift Raise, hold, lower, and float
- Blade tilt Right, hold, and left

Additional control valve required for variable digging angle multi-shank ripper and giant ripper.

- Positions: Ripper lift Raise, hold, and lower and float
- Ripper tilt Increase, hold, and decrease

Hydraulic cylinders Double-acting, piston

	Number of cylinders	Bore
Blade Lift	2	110 mm 4.33"
Blade Tilt	1	160 mm 6.30"
Ripper Lift	1	180 mm 7.09"
Ripper Tilt	1	200 mm 7.87"

Hydraulic oil capacity (refill):

Semi-U tilt dozer	85 ltr	22.5 U.S. gal
U-tilt dozer	85 ltr	22.5 U.S. gal

Ripper equipment (additional volume):

Multi-shank ripper	37 ltr	9.8 U.S. gal
Giant ripper	37 ltr	9.8 U.S. gal



DOZER EQUIPMENT

Use of high-tensile-strength steel in moldboard for strengthened blade construction. Blade tilt hose piping is mounted inside the dozer push arm to help prevent damage.

	Overall length with dozer	Blade capacity	Blade length x height	Maximum lift above ground	Maximum drop below ground	Maximum tilt adjustment	Additional weight
Semi-U Tilt Dozer	6010 mm 19'9"	9.4 m ³ 12.3 yd ³	4130 mm x 1790 mm 13'7" x 5'10"	1250 mm 4'1"	590 mm 1'11"	950 mm 3'1"	4960 kg 10,940 lb
Strengthened Semi-U Tilt Dozer	6010 mm 19'9"	9.4 m ³ 12.3 yd ³	4130 mm x 1790 mm 13'7" x 5'10"	1250 mm 4'1"	590 mm 1'11"	950 mm 3'1"	5620 kg 12,390 lb
Full-U Tilt Dozer	6430 mm 21'1"	11.9 m ³ 15.6 yd ³	4225 mm x 1790 mm 13'10" x 5'10"	1250 mm 4'1"	590 mm 1'11"	970 mm 3'2"	5630 kg 12,410 lb
Angle Dozer	6580 mm 21'7"	4.6 m ³ 6.0 yd ³	4850 mm x 1170 mm 15'11" x 3'10"	1560 mm 5'1"	660 mm 2'2"	520 mm 1'8"	5170 kg 11,400 lb



STANDARD EQUIPMENT FOR BASE MACHINE

- Air cleaner, double element with dust indicator
- Alternator, 60 ampere
- Backup alarm
- Batteries, 2 x 12V 170 Ah
- Blower cooling fan
- Color monitor
- Decelerator pedal
- Fenders
- Horn, warning
- Hydraulics for dozer
- Lighting system (includes 2 front, 1 rear)
- Muffler with rain cap
- Open ROPS
- Palm lever steering control
- Radiator with reserve tank
- Rear cover
- Starting motor, 11kW/24V
- Suspension seat
- Track roller guard, end sections
- Track shoe assembly
 - Sealed and lubricated track
- Underguards, oil pan and transmission
- **560 mm 22"** single grouser shoe



OPTIONAL EQUIPMENT

ROPS cab

- Additional weight: **430 kg** 948 lb
- All-weather, enclosed pressurized cab
- Dimensions:
 - Length: **1735 mm** 5'8"
 - Width: **1755 mm** 5'9"
 - Height from floor: **1635 mm** 5'4"
- Meets ISO 3471, SAE J/ISO 3471 ROPS standards, and ISO 3449 FOPS standard.

Variable multi-shank ripper

- Additional weight (including hydraulic control unit): **3760 kg** 8,290 lb
- Beam length: **2320 mm** 7'7"
- Hydraulically-controlled parallelogram-type ripper with three shanks. Digging angle infinitely adjustable. Standard digging angle: 45°
- Maximum digging depth: **900 mm** 2'11"
- Maximum lift above ground: **950 mm** 3'1"

Variable giant ripper

- Additional weight (including hydraulic control unit): **3380 kg** 7,450 lb
- Beam length: **1410 mm** 4'8"
- Hydraulically-controlled parallelogram-type ripper with one shank. Digging angle infinitely adjustable. Standard digging angle: 45°
- Maximum digging depth: **1370 mm** 4'6"
- Maximum lift above ground: **945 mm** 3'1"

Shoes

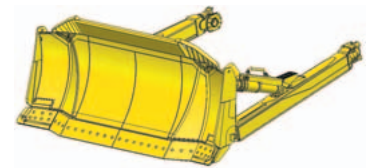
Shoes (optional)	Additional weight	Ground contact area
560 mm 22" single-grouser shoes	-0 kg -0 lb	35280 cm² 5,468 in ²
610 mm 24" single-grouser shoes	+200 kg +440 lb	38430 cm² 5,957 in ²
660 mm 26" single-grouser shoes	+410 kg +900 lb	41580 cm² 6,445 in ²
710 mm 28" single-grouser shoes	+610 kg +1,340 lb	44730 cm² 6,933 in ²
560 mm 22" extreme service shoes	+450 kg +990 lb	35280 cm² 5,468 in ²
610 mm 24" extreme service shoes	+690 kg +1,520 lb	38430 cm² 5,957 in ²
660 mm 26" extreme service shoes	+920 kg +2,030 lb	41580 cm² 6,445 in ²

Other

- Air conditioner
- Cab heater and defroster
- Engine side cover
- Large pre-cleaner
- Locks, filler caps and covers
- Rear view monitoring system
- Rigid drawbar
- Tool kit

SIGMADOZER

	Overall length with dozer	Blade capacity	Blade length x height	Maximum lift above ground	Maximum drop below ground	Maximum tilt adjustment	Additional weight
SIGMADOZER	6125 mm 20'1"	9.4 m³ 12.3 yd ³	4060 mm x 1850 mm 13'4" x 6'1"	1320 mm 4'4"	617 mm 2'	920 mm 3'	4940 kg 10,890 lb
Strengthened SIGMADOZER	6125 mm 20'1"	9.4 m³ 12.3 yd ³	4060 mm x 1850 mm 13'4" x 6'1"	1320 mm 4'4"	617 mm 2'	920 mm 3'	5360 kg 11,820 lb



SIGMADOZER

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