

KOMATSU®

D39EX-23 D39PX-23 Tier 4 Interim Engine

NET HORSEPOWER

OPERATING WEIGHT

BLADE CAPACITY

D
3
9



PHOTOS MAY INCLUDE OPTIONAL EQUIPMENT

D39-23

WALK-AROUND

D39-23



Photos may include optional equipment

D39-23

Tier 4 Interim Engine

NET HORSEPOWER

78 kW @ 2200 rpm
105 HP @ 2200 rpm

OPERATING WEIGHT

D39EX-23 9270 kg 20,437 lb
D39PX-23 9690 kg 21,363 lb

BLADE CAPACITY

Power Angle Tilt Dozer
D39EX-23 1.91 m³ 2.50 yd³
D39PX-23 2.13 m³ 2.78 yd³



SAA4D95LE-6 variable flow turbocharged and aftercooled 3.26 liter diesel engine provides excellent fuel economy. This engine is EPA Tier 4 Interim and EU Stage 3B emissions certified.

- 90% reduction in particulate matter (PM), 45% reduced NOx

Variable Flow Turbocharger uses a simple valve to provide optimum air flow under all speed and load conditions.

Komatsu Diesel Oxidation Catalyst reduces particulate matter using passive regeneration 100% of the time. No active or manual regeneration is required.

Rear view monitoring system (standard)

Advanced diagnostic system continuously monitors machine operation and vital systems to identify machine issues and assist with troubleshooting.

Single pedal can act as either brake or decelerator

Improved Cooling System

- Electronically controlled hydraulically driven fan is manually reversible
- Gas assisted lift cylinders on radiator cover opens for easy cleaning
- Side-by-side coolers with increased cooling capacity

KOMTRAX®

Komtrax equipped machines can send location, SMR and operation maps to a secure website utilizing wireless technology. Machines also relay error codes, cautions, maintenance items, fuel levels, and much more.

OUTSTANDING PRODUCTIVITY & FUEL ECONOMY

New Power and Economy modes:
Full power when you need it and Economy mode to save fuel when you don't.

New engine and hydrostatic pump control technology improves operational efficiency and lowers fuel consumption.



Integrated ROPS cab features:

- Large, quiet, and pressurized cab
- Excellent visibility with integrated ROPS structure
- New heated air-ride seat with 15% higher capacity (standard)
- Standard aux jack and (2) 12V power converters

Improved durability

- Heavy-plate steel used for nose and tanks
- Dozer frame with full steel castings
- Komatsu designed and manufactured components

Self-adjusting idler support provides constant and even idler tension, reducing vibration and increasing undercarriage life.

Power Angle Tilt (PAT) dozer with manually adjustable blade pitch increases productivity in a variety of applications.

- Three mounting locations for grade control masts

Complete operator blade control

- Palm Command Control System (PCCS)
- Electronic Proportional Control (EPC)
- Adjustable Quick shift and Variable shift modes
- New blade angle switch
- Normal and Fine blade controls
- Multiple Operator memory storage

New more efficient HST with electronic control

- Customizable Quick shift (3 speed) settings for the operator
- Variable speed selection (20 speeds)
- Low speed matching technology (larger displacement pumps/efficient engine speed)
- Up to 20%* reduced fuel consumption in E mode and 10%* in P mode.

Large color monitor

- Easy-to-read and use large 7" high-resolution multi-color monitor
- ECO guidance
- On-board diagnostics

* Compared to D39-22 model



ENGINE

Model.....Komatsu SAA4D95LE-6*
 Type..... 4-cycle, water-cooled, direct injection
 Aspiration..... Variable flow, turbocharged, air-to-air aftercooled
 Number of cylinders..... 4
 Bore x stroke..... 95 mm x 115 mm **3.75" x 4.52"**
 Piston displacement..... 3.26 ltr **199 in³**
 Governor..... All-speed, electronic
 Horsepower
 SAE J1995.....Gross 79 kW **107 HP**
 ISO 9249 / SAE J1349.....Net 78 kW **105 HP**
 Rated rpm..... 2200 rpm
 Fan drive type.....Hydraulic
 Lubrication system
 Method..... Gear pump, forced lubrication
 Filter..... Full-flow

*EPA Tier 4 Interim and EU stage 3B emissions certified



HYDROSTATIC TRANSMISSION

Dual-path, hydrostatic transmission provides infinite speed changes up to 8.5 km/h **5.3 mph**. The variable capacity travel motors allow the operator to select the optimum speed to match specific jobs. Travel control lock lever and neutral switch.

Travel speed (quick shift mode)	Forward	Reverse
1st	0-3.4 km/h 0-2.1 mph	0-4.1 km/h 0-2.5 mph
2nd	0-5.6 km/h 0-3.5 mph	0-6.5 km/h 0-4.0 mph
3rd	0-8.5 km/h 0-5.3 mph	0-8.5 km/h 0-5.3 mph

Travel speed (variable mode)	Forward	Reverse
	0-8.5 km/h 0-5.3 mph	0-8.5 km/h 0-5.3 mph



DOZER EQUIPMENT

Blade capacities are based on the SAE recommended practice J1265. Use of high tensile strength steel in moldboard for strengthened blade construction.

	Overall Length With Dozer* mm ft.in	Blade Capacity m ³ yd ³	Blade Width x Height mm ft.in	Max. Lift Above Ground mm ft.in	Max. Drop Below Ground mm ft.in	Max. Tilt Adjustment mm ft.in	Blade Angle
D39EX-23	4385	2.21	2710 x 980	910	450	365	25
Power Angle Tilt Dozer	14'5"	2.89	8'11" x 3'3"	3'10"	1'6"	1'3"	
D39PX-23	4385	2.40	3250 x 910	910	450	440	25
Power Angle Tilt Dozer	14'5"	2.89	10'8" x 3'0"	3'10"	1'6"	1'5"	
D39PX-23 PAT	4385	2.22	2980 x 910	910	450	405	25
Narrow Blade	14'5"	2.89	9'9" x 3'0"	3'10"	1'6"	1'4"	

*Including hitch



SERVICE REFILL CAPACITIES

Coolant 34 ltr **9.0 U.S. gal**
 Fuel tank 190 ltr **50.2 U.S. gal**
 Engine oil 11 ltr **2.9 U.S. gal**
 Hydraulic tank 60 ltr **15.8 U.S. gal**
 Final drive (each side)..... 3.5 ltr **.9 U.S. gal**



OPERATING WEIGHT (APPROXIMATE)

Including power angle tilt dozer, ROPS cab, operator, standard equipment, rated capacity of lubricant, coolant, and full fuel tank.

D39EX-23 9270 kg **20,437 lb**
 D39PX-23 9690 kg **21,363 lb**



UNDERCARRIAGE

Undercarriage type Low drive
 Suspension Rigid
 Track roller frame Conventional
 Track shoes
 Sealed and lubricated undercarriage. Track tension easily adjusted with a grease gun.

Tractor for inside mounted blade (PAT)

	D39EX-23	D39PX-23
Number of track rollers (each side)	6	6
Number of carrier rollers (each side)	1	1
Type of shoes (standard)	Single grouser	Single grouser
Number of shoes (each side)	39	39
Grouser height	mm in 53 2.1"	53 2.1"
Shoe width (standard)	mm in 460 18"	635 25"
Ground contact area	cm ² 21710	29970
	in ² 3,365	4,645
Ground pressure	kPa 42.1	31.9
(with dozer, ROPS cab)	kgf/cm ² 0.43	0.33
	psi 6.1	4.7
Track gauge	mm ft.in 1620 5'4"	1810 5'11"
Length of track on ground	mm ft.in 2360 7'9"	2360 7'9"