



## 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 in<sup>3</sup>**  
 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

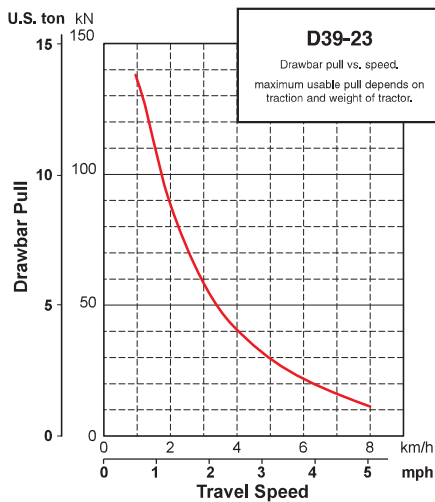
Dual-path, hydrostatic transmission provides infinite speed changes up to 5.3 km/h **8.5 mph**. The variable capacity travel motors allow the operator to select the optimum speed to match specific jobs. Travel control lock lever and neutral switch.

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

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

\*Quick shift speeds are adjustable in the monitor.



## FINAL DRIVES

In-shoe mounted axial piston type travel motors with integrated two-stage planetary gear reduction. Compact in-shoe mount reduces risk of damaged by debris. Bolt-on sprocket ring.



## STEERING SYSTEM

Palm Command Control System (PCCS) joystick control for all directional movements. Pushing the joystick forward results in forward machine travel, while pulling it rearward reverses the machine. Simply tilt the joystick to the left or right to make a turn. Tilting the joystick fully to the left or right activates counter-rotation.

Hydrostatic Transmission (HST) provides smooth powerful turns. Fully electronic control enables smooth control that can be adjusted in the monitor. The PCCS utilizes shift buttons to increase and decrease speed.

Minimum turning radius\*

D39EX-23 ..... 2.2 m **87"**

D39PX-23..... 2.4 m **94"**

\*As measured by track marks on the ground at pivot turn.



## UNDERCARRIAGE

Suspension.....Rigid type  
 Track roller frame.....Monocoque, large section, durable construction

Rollers and idlers.....Lubricated track rollers

Sealed and lubricated track

Track tension is easily adjusted with grease gun.

	D39EX-23	D39PX-23 Narrow	D39PX-23 Wide
Number of track rollers (each side)	6	6	6
Type of shoes (standard)	Single grouser	Single grouser	Single grouser
Number of shoes (each side)	39	39	39
Grouser height	mm in 53 <b>2.1"</b>	53 <b>2.1"</b>	53 <b>2.1"</b>
Shoe width (standard)	mm in 510 <b>20"</b>	635 <b>25"</b>	700 <b>27.5"</b>
Ground contact area	cm <sup>2</sup> 23919	29782	32970
	in <sup>2</sup> <b>3,708</b>	<b>4,616</b>	<b>5,110</b>
Ground pressure (with dozer, ROPS cab)	kPa 37.8	31.7	30.0
	kgf/cm <sup>2</sup> 0.39	0.33	0.31
	psi <b>5,60</b>	<b>4,70</b>	<b>4,35</b>
Track gauge	mm ft.in 1620 <b>5'4"</b>	1810 <b>5'11"</b>	1810 <b>5'11"</b>
Length of track on ground	mm ft.in 2345 <b>7'8"</b>	2345 <b>7'8"</b>	2345 <b>7'8"</b>



## 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 **0.9 U.S. gal**



## OPERATING WEIGHT (APPROXIMATE)

Tractor weight:

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

D39EX-23..... 8260 kg **18,210 lb**

D39PX-23..... 8610 kg **18,982 lb**

Operating weight:

Including Power Angle Tilt dozer, ROPS cab, operator, standard equipment, rated capacity of lubricant, hydraulic control unit, coolant, and full fuel tank.

D39EX-23.....9410 kg **20,749 lb**

D39PX-23..... 9830 kg **21,675 lb**



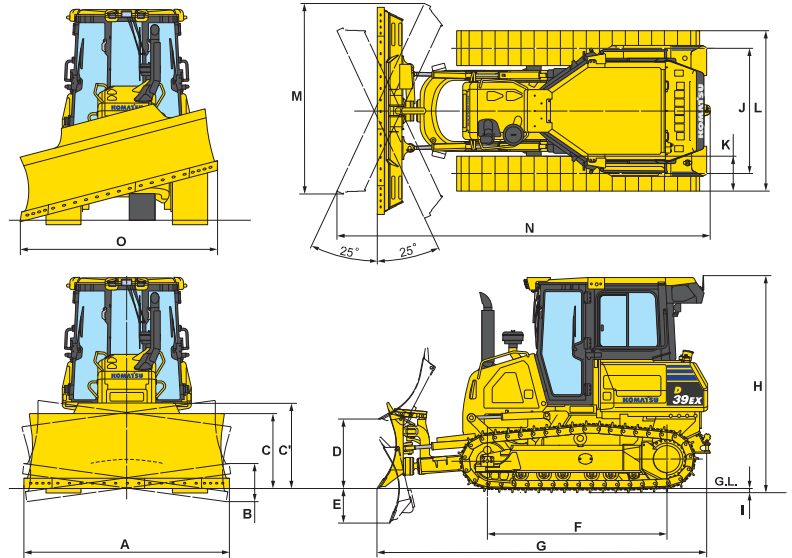
## DIMENSIONS

	D39EX-23		D39PX-23*		D39PX-23**	
A	2710 mm	<b>8'11"</b>	2980 mm	<b>9'9"</b>	3250 mm	<b>10'8"</b>
B	365 mm	<b>14"</b>	405 mm	<b>16"</b>	440 mm	<b>17"</b>
C	980 mm	<b>39"</b>	920 mm	<b>36"</b>	980 mm	<b>38.5"</b>
C'	1075 mm	<b>3'6"</b>	1047 mm	<b>3'5"</b>	1075 mm	<b>3'6"</b>
D	910 mm	<b>3'0"</b>	920 mm	<b>3'0"</b>	920 mm	<b>3'0"</b>
E	450 mm	<b>1'6"</b>	440 mm	<b>1'6"</b>	440 mm	<b>1'6"</b>
F	2360 mm	<b>7'9"</b>	2360 mm	<b>7'9"</b>	2360 mm	<b>7'9"</b>
G	4385 mm	<b>14'5"</b>	4385 mm	<b>14'5"</b>	4385 mm	<b>14'5"</b>
H	2845 mm	<b>9'4"</b>	2845 mm	<b>9'4"</b>	3015 mm	<b>9'11"</b>
I	53 mm	<b>2"</b>	53 mm	<b>2"</b>	53 mm	<b>2"</b>
J	1620 mm	<b>5'4"</b>	1810 mm	<b>5'11"</b>	1810 mm	<b>5'11"</b>
K	460 mm	<b>1'6"</b>	635 mm	<b>2'1"</b>	700 mm	<b>2'3"</b>
L	2080 mm	<b>6'10"</b>	2445 mm	<b>8'0"</b>	2490 mm	<b>8'2"</b>
M	2495 mm	<b>8'2"</b>	2980 mm	<b>9'9"</b>	2990 mm	<b>9'10"</b>
N	4910 mm	<b>16'1"</b>	4957 mm	<b>16'3"</b>	5020 mm	<b>16'6"</b>
O	2475 mm	<b>8'1"</b>	2870 mm	<b>9'5"</b>	2940 mm	<b>9'8"</b>

Ground clearance ..... 380 mm **15"**

\* PX narrow blade, standard shoe

\*\* PX wide blade, wide shoe



## 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 remote to the hydraulic tank. Piston-type hydraulic pump with capacity (discharge flow) of 99 ltr/min **26 U.S. gal/min** at rated engine rpm.

Relief valve setting ..... 27.4 MPa 280 kg/cm<sup>2</sup> **3,974 psi**

Hydraulic cylinders ..... Double-acting, piston type

	Number of cylinders	Bore
Blade lift	2	75 mm <b>3.0"</b>
Blade tilt	1	90 mm <b>3.5"</b>
Blade angle	2	80 mm <b>3.1"</b>

Hydraulic oil capacity (refill):

Power angle tilt dozer ..... 60 ltr **15.9 U.S. gal**

Control valves:

3-spool control valve for Power Angle Tilt dozer

Positions:

Blade lift ..... Raise, hold, lower, and float

Blade tilt ..... Right, hold, and left

Blade angle ..... Right, hold, and left

Additional control valve required for ripper

Positions:

Ripper lift ..... Raise, hold, and lower



## 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 <sup>3</sup> yd <sup>3</sup>	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
<b>D39EX-23</b>	4385	2.21	2710 x 980	910	440	365	25°
Power Angle Tilt Dozer	<b>14'5"</b>	<b>2.89</b>	<b>8'11" x 3'3"</b>	<b>3'10"</b>	<b>1'6"</b>	<b>1'3"</b>	
<b>D39PX-23</b>	4385	2.40	3250 x 910	910	440	440	25°
Power Angle Tilt Dozer	<b>14'5"</b>	<b>3.14</b>	<b>10'8" x 3'0"</b>	<b>3'10"</b>	<b>1'6"</b>	<b>1'5"</b>	
<b>D39PX-23 PAT</b>	4385	2.22	2980 x 910	910	440	405	25°
Narrow Blade	<b>14'5"</b>	<b>2.90</b>	<b>9'9" x 3'0"</b>	<b>3'10"</b>	<b>1'6"</b>	<b>1'4"</b>	

\*Including hitch



### STANDARD EQUIPMENT FOR BASE MACHINE\*

- Air cleaner, double element with caution lamp on monitor
- Alternator, 60 ampere/24V
- Backup alarm
- Batteries, 92 Ah/2 x 12V
- Battery disconnect switch
- Blade lift cylinders
- Color monitor, LCD
- Decelerator pedal (single pedal)
- Engine hood
- Engine intake centrifugal precleaner
- Engine, swing open side cover
- Engine shutdown secondary switch
- Front pull hook
- Fuel prefilter (10 micron) and fuel filter (2 micron)
- Grease gun holder
- High mount foot rests
- Horn, warning
- Hydraulic driven radiator cooling fan with reverse clean mode
- KOMTRAX® Level 4
- Komatsu Diesel Oxidation Catalyst (KDOC)
- Locks, filler caps and covers
- Muffler with curved exhaust pipe
- Radiator mask, heavy-duty, swing up
- Radiator reserve tank
- ROPS cab\*\*
  - Air conditioner
  - Cab accessories
    - 12V power supply (2 ports)
    - Cup holder
    - Rearview mirror
    - Rear view monitoring (1 camera)
    - AM/FM Radio w/remote AUX plug (3.5 mm)
    - 72 dBA
  - Work lights
    - 3 front, cab mounted
    - 2 rear, cab mounted
- Seat, air suspension, fabric, heated low back, headrest
- Seat belt, 76 mm **3"**, retractable
- Seat belt indicator
- Sealed electrical connectors
- Side by side rear mounted cooling package
- Starting motor, 4.5 kW/24V
- Steering system, hydrostatic
- Track roller guards, center and end sections
- Track shoe assembly
  - Sealed and lubricated
  - 510 mm **20"** single grouser shoe (EX)
  - 635 mm **25"** single grouser shoe (PX)
- Transmission with Variable and Customizable Quickshift
- Transmission, hydrostatic
- Underguards, heavy duty
  - Engine
  - Transmission
- Variable flow turbocharger
- Water separator

\* Dozer assembly and rear mounted equipment are not included in base machine standard equipment  
 \*\* Cab meets ROPS and FOPS Level 2 standards



### OPTIONAL EQUIPMENT

- Dozer assembly
- Hitch
- Hydraulics for rear equipment
- Track roller guard, full length

Weight.....	470 kg	<b>1,036 lb</b>
Beam length.....	1569 mm	<b>62"</b>
Maximum lift above ground.....	389 mm	<b>15"</b>
Maximum digging depth.....	336 mm	<b>13"</b>
Number of shanks.....	3	

- 700 mm **27.5"** grouser (PX)(PLUS)
- 510 mm **20"** grouser (EX)(Conventional)

#### Multi-shank ripper (for D39EX)



### ALLIED MANUFACTURER'S ATTACHMENTS (SHIPPED LOOSE)

- Guarding - Komatsu (Ken Garner)
  - Front sweeps 265 kg **584 lb**
  - Hinged cab side screens 44 kg **97 lb**
  - Hinged cab rear screen 43 kg **95 lb**
  - Rear A/C guard (requires front sweep) 61 kg **134 lb**
  - Poly panel door inserts 41 kg **91 lb**
- Hydraulic winch - Allied H4AT 685 kg **1,510 lb**

