



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 68 kW **91 HP**
 ISO 9249 / SAE J1349..... Net 66 kW **89 HP**
 Rated rpm..... 2200 rpm
 Fan drive typeHydraulic
 Lubrication system
 Method Gear pump, forced lubrication
 Filter..... Full-flow
 *EPA Tier 4 Interim and EU stage 3B emissions certified



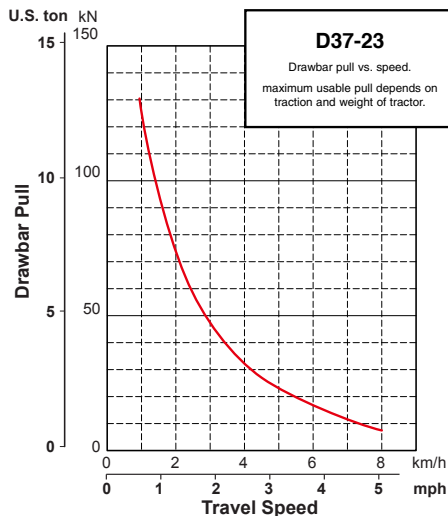
HYDROSTATIC TRANSMISSION

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
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

*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*
 D37EX-23..... 2.1 m **83"**
 D37PX-23..... 2.3 m **91"**

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



UNDERCARRIAGE

Suspension..... Rigid type
 Track roller frameMonocoque, large section, durable construction
 Rollers and idlersLubricated track rollers
 Sealed and lubricated track
 Track tension is easily adjusted with grease gun.

Tractor for inside mounted blade (PAT)

	D37EX-23	D37PX-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)	41	41
Grouser height	mm in 47 1.9"	47 1.9"
Shoe width (standard)	mm in 460 18"	600 24"
Ground contact area	cm ² 20516	26760
	in² 3,180	4,148
Ground pressure	kPa 40.2	32.2
(with standard shoe)	kgf/cm ² 0.41	0.33
	psi 5.88	4.67
Track gauge	mm ft.in 1570 5'2"	1710 5'7"
Length of track on ground	mm ft.in 2230 7'4"	2230 7'4"
Link pitch	mm ft.in 154 6.1"	154 6.1"



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 64 ltr **16.9 U.S. gal**
 Final drive (each side)..... 3.5 ltr **0.9 U.S. gal**



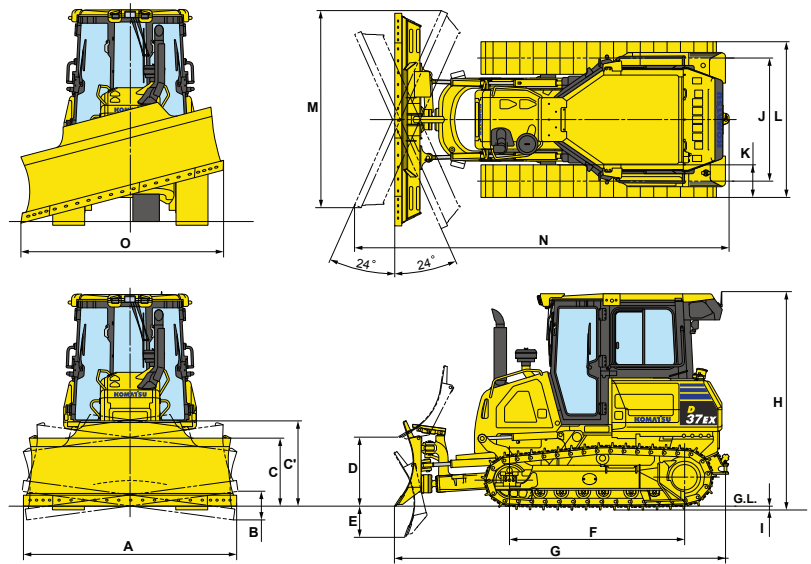
OPERATING WEIGHT (APPROXIMATE)

Tractor weight:
 Including ROPS cab, U frame for power angle tilt dozer, rated capacity of lubricant, coolant, full fuel tank, operator, and standard equipment.
 D37EX-23 7400 kg **16,314 lb**
 D37PX-23 7660 kg **16,887 lb**
 Operating weight:
 Including power angle tilt dozer, ROPS cab, operator, standard equipment, rated capacity of lubricant, coolant, and full fuel tank.
 D37EX-23 8480 kg **18,695 lb**
 D37PX-23 8780 kg **19,357 lb**



DIMENSIONS

	D37EX-23		D37PX-23	
A	2710 mm	8'11"	3200 mm	10'6"
B	370 mm	15"	435 mm	17"
B*			390 mm	15"
C	865 mm	34"	835 mm	33"
C'	1075 mm	42"	1075 mm	42"
D	880 mm	35"	880 mm	35"
E	390 mm	15"	390 mm	15"
F	2230 mm	7'4"	2230 mm	7'4"
G	4275 mm	14'0"	4275 mm	14'0"
H	2775 mm	9'1"	2775 mm	9'1"
I	47 mm	2"	47 mm	2"
J	1570 mm	62"	1710 mm	67"
K	400 mm	16"	600 mm	24"
L	1970 mm	78"	2310 mm	91"
M	2510 mm	99"	2960 mm	117"
M*			2669 mm	105"
N	4780 mm	15'8"	4880 mm	16'0"
O	2480 mm	8'2"	2905 mm	9'6"



Ground clearance 325 mm **12.8"**

*Narrow blade for D37PX-23



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/cm² **3,974 psi**

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

	Number of cylinders	Bore
Blade lift	2	75 mm 3.0"
Blade tilt	1	90 mm 3.5"
Blade angle	2	80 mm 3.1"
Blade pitch	1 adjustable linkage	

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 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
D37EX-23	4275	1.91	2710 x 865	880	380	370	24°
Power Angle Tilt Dozer	14'0"	2.50	8'11" x 2'10"	2'11"	1'3"	1'3"	
D37PX-23	4275	1.95	2875 x 835	880	380	435	24°
Power Angle Tilt Dozer	14'0"	2.55	9'5" x 2'9"	2'11"	1'3"	1'5"	
D37PX-23	4275	2.13	3200 x 835	880	380	390	24°
Power Angle Tilt Dozer	14'0"	2.78	10'6" x 2'9"	2'11"	1'3"	1'4"	

*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)
 - 70 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 (PLUS)
 - Sealed and lubricated
 - 460 mm **18"** single grouser shoe (EX)
 - 600 mm **24"** 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

Multi-shank ripper (for D37EX)

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

- 400 mm **16"** single grouser shoe (EX)(PLUS)
- 400 mm **16"** single grouser shoe (EX) (Conventional)
- 600 mm **24"** single grouser shoe (PX) (Conventional)



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**