

Specifications

ENGINE

Model Komatsu SAA4D95LE-6
 Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel

Engine power
 at rated engine speed 2.200 rpm
 ISO 14396 67,7 kW/90,7 HP
 ISO 9249 (net engine power) 66,1 kW/88,6 HP

No. of cylinders 4
 Bore x stroke 95 x 115 mm
 Displacement 3,26 ltr
 Governor All-speed, electronic
 Fan drive type Hydraulic
 Lubrication system
 Method Gear pump, force lubrication
 Filter Full flow

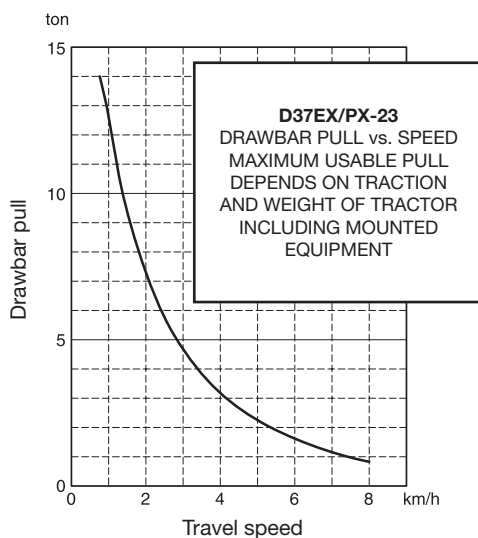
HYDROSTATIC TRANSMISSION

Dual-path, hydrostatic transmission provides infinite speed changes up to 8,5 km/h. The variable capacity travel motors allow the operator to select the optimum speed to match specific jobs. Travel control lock lever and neutral switch.

MAX. TRAVEL SPEEDS

Quick shift mode	Forward	Reverse
1st	0 - 3,4 km/h	0 - 4,1 km/h
2nd	0 - 5,6 km/h	0 - 6,5 km/h
3rd	0 - 8,5 km/h	0 - 8,5 km/h

Variable speed mode	Forward	Reverse
	0 - 8,5 km/h	0 - 8,5 km/h



FINAL DRIVE

Type Planetary gear, double-reduction
 Sprocket Bolt-on for easy replacement

STEERING SYSTEM

Type Hydrostatic Steering System (HST)
 Steering control PCCS-lever
 Service brakes Hydraulic dynamic brake, pedal-controlled
 Minimum turning radius (pivot turn)
 D37EX-23 2,1 m
 D37PX-23 2,3 m
 As measured by track marks on the ground.

UNDERCARRIAGE

Suspension Rigid type
 Track roller frame... Monocoque, large section, durable construction
 Tracks PLUS link assembly
 Track tension Combined spring and hydraulic unit
 Number of shoes (each side) 41
 Grouser height (single grouser) 47 mm
 Track rollers (each side) 6
 Shoe width (standard)
 D37EX-23 400 mm
 D37PX-23 600 mm
 Ground contact area
 D37EX-23 17.840 cm²
 D37PX-23 26.760 cm²
 Ground pressure
 D37EX-23 0,47 kg/cm²
 D37PX-23 0,33 kg/cm²
 Including PAT blade, hitch, steel cab, operator, rated capacity of lubricant, coolant, and full fuel tank.

OPERATING WEIGHT (APPR.)

Including PAT blade, hitch, steel cab, operator, rated capacity of lubricant, coolant, and full fuel tank.
 D37EX-23 8.480 kg
 D37PX-23 8.780 kg

SERVICE REFILL CAPACITIES

Cooling system 34 ltr
 Fuel tank 190 ltr
 Engine oil 11 ltr
 Hydraulic tank 64 ltr
 Final drive (each side) 3,5 ltr

ENVIRONMENT

Engine emissions Fully complies with EU Stage IIIB and EPA Tier 4 interim exhaust emission regulations

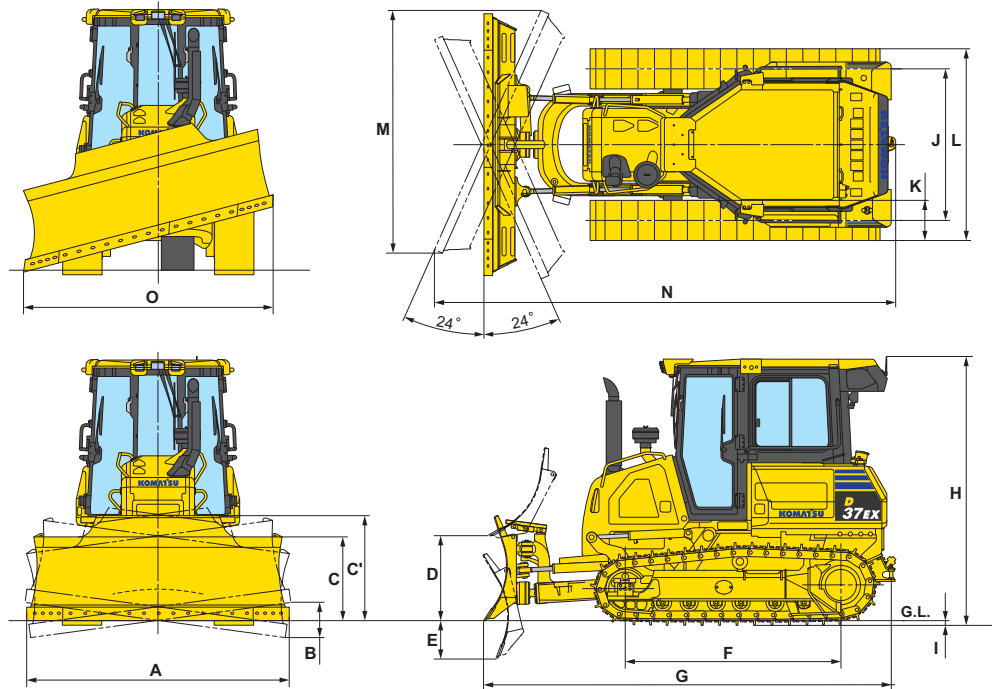
Noise levels
 LwA external 104 dB(A) (2000/14/EC Stage II)
 LpA operator ear 77 dB(A) (ISO 6396 dynamic test)

Vibration levels (EN 12096:1997)*
 Hand/arm ≤ 2,5 m/s² (uncertainty K = 1,30 m/s²)
 Body ≤ 0,5 m/s² (uncertainty K = 0,29 m/s²)

* for the purpose of risk assessment under directive 2002/44/EC, please refer to ISO/TR 25398:2006.

DIMENSIONS

	D37EX-23	D37PX-23
A	2.710 mm	3.200 mm
B	370 mm	435 mm
C	865 mm	835 mm
C'	1.075 mm	1.075 mm
D	890 mm	890 mm
E	380 mm	380 mm
F	2.230 mm	2.230 mm
G	4.275 mm	4.275 mm
H	2.785 mm	2.785 mm
I	47 mm	47 mm
J	1.570 mm	1.710 mm
K	400 mm	600 mm
L	1.970 mm	2.310 mm
M	2.510 mm	2.960 mm
N	4.780 mm	4.880 mm
O	2.480 mm	2.905 mm



Ground clearance: 325 mm (+ 47 mm grouser height)

HYDRAULIC SYSTEM

Type	CLSS (closed-centre load sensing system)
All spool valves externally mounted beside the hydraulic tank.	
Maximum pump flow	99 ltr/min
Relief valve setting	280 kg/cm ²
Spool control valve positions	
Blade lift	Raise, hold, lower, and float
Blade tilt	Right, hold, and left
Blade angle	Right, hold, and left
Additional control valve positions for ripper	
Ripper lift	Raise, hold, and lower
Hydraulic cylinders	Double-acting, piston type
No. of cylinders × bore	
Blade lift	2 × 75 mm
Blade tilt	1 × 90 mm
Blade angle	2 × 80 mm
Ripper lift	1 × 105 mm

RIPPER EQUIPMENT

Multishank ripper	
Type	Hydraulically controlled parallelogram ripper
No. of shanks	3
Weight (including hydraulic control unit)	680 kg
Beam length	1.570 mm
Maximum lift above ground	400 mm
Maximum digging depth	330 mm

DOZER EQUIPMENT

	Overall length with dozer	Blade width × height	Maximum lift above ground	Maximum drop below ground	Maximum tilt adjustment	Blade angle
1,91 m ³ PAT blade (EX)	4.275 mm	2.710 mm × 865 mm	890 mm	380 mm	370 mm	24°
2,13 m ³ PAT blade (PX)	4.275 mm	3.200 mm × 835 mm	890 mm	380 mm	435 mm	24°
1,95 m ³ narrow PAT blade (PX)	4.275 mm	2.875 mm × 835 mm	890 mm	380 mm	390 mm	24°

Blade capacities are based on the SAE recommended practice J1265.