

Specifications

ENGINE

Model Komatsu SAA6D107E-2
 Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel

Engine power
 at rated engine speed 2.200 rpm
 ISO 14396 126 kW/169 HP
 ISO 9249 (net engine power) 125 kW/168 HP

No. of cylinders 6
 Bore x stroke 107 mm x 124 mm
 Displacement 6,69 ltr
 Governor All-speed, electronic
 Fan drive type Hydraulic
 Lubrication system
 Method Gear pump, force lubrication
 Filter Full flow

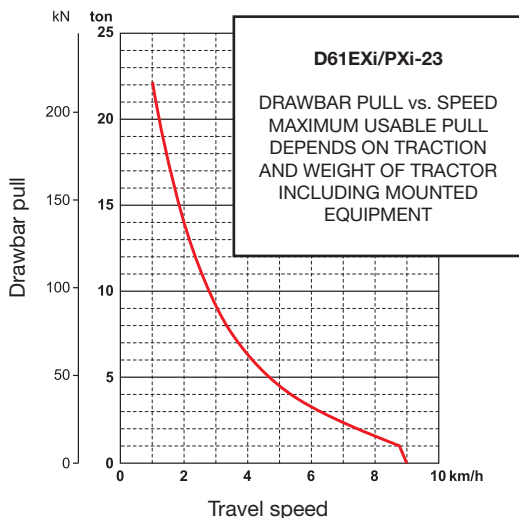
HYDROSTATIC TRANSMISSION

Dual-path, hydrostatic transmission provides infinite speed changes up to 9,0 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 - 9,0 km/h	0 - 9,0 km/h

Variable speed mode	Forward	Reverse
	0 - 9,0 km/h	0 - 9,0 km/h



FINAL DRIVE

Type Planetary gear, double-reduction
 Sprocket Segmented sprocket teeth are bolt-on for easy replacement

STEERING SYSTEM

Type Hydrostatic Steering System (HST)
 Steering control PCCS-lever
 Minimum turning radius (counter-rotation)
 D61EXi-23 2,1 m
 D61PXi-23 2,3 m
 As measured by track marks on the ground.

UNDERCARRIAGE

Suspension Oscillating equaliser bar and pivot shaft
 Track roller frame Monocoque, large section, durable construction

Tracks PLUS link assembly
 Track tension Combined spring and hydraulic unit
 Number of shoes (each side) 46
 Grouser height (single grouser) 58 mm
 Track rollers (each side) 8
 Carrier rollers (each side) 2
 Shoe width (standard)
 D61EXi-23 600 mm
 D61PXi-23 860 mm

Ground contact area
 D61EXi-23 37.980 cm²
 D61PXi-23 54.440 cm²

Ground pressure
 D61EXi-23 0,47 kg/cm²
 D61PXi-23 0,34 kg/cm²

OPERATING WEIGHT (APPR.)

Including PAT blade, steel cab, operator, rated capacity of lubricant, coolant, and full fuel tank.
 D61EXi-23 17.890 kg
 D61PXi-23 18.770 kg

SERVICE REFILL CAPACITIES

Fuel tank 372 ltr
 Radiator 45 ltr
 Engine oil 27 ltr
 Final drive (each side) 8,1 ltr
 Hydraulic tank 101 ltr

ENVIRONMENT

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

Noise levels
 LwA external 107 dB(A) (2000/14/EC Stage II)
 LpA operator ear 78 dB(A) (ISO 6396 dynamic test)

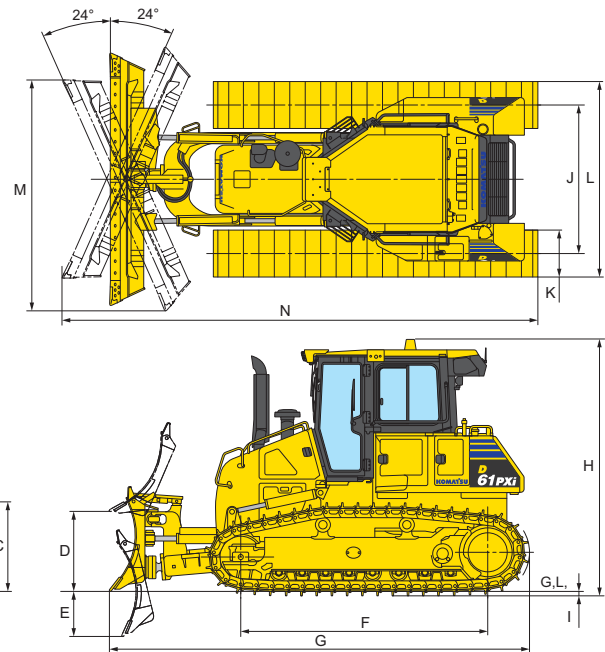
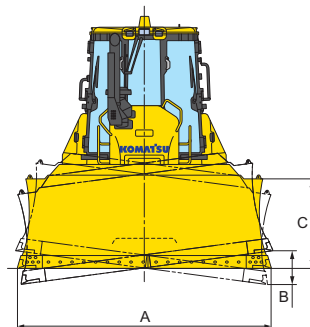
Vibration levels (EN 12096:1997)*
 Hand/arm ≤ 2,5 m/s² (uncertainty K = 0,8 m/s²)
 Body ≤ 0,5 m/s² (uncertainty K = 0,2 m/s²)

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



DIMENSIONS

	D61EXi-23	D61PXi-23
A	3.250 mm	3.860 mm
B	435 mm	515 mm
C	1.195 mm	1.155 mm
D	1.025 mm	1.025 mm
E	580 mm	580 mm
F	3.165 mm	3.165 mm
G	5.480 mm	5.480 mm
H	3.340 mm	3.340 mm
I	57,5 mm	57,5 mm
J	1.900 mm	2.130 mm
K	600 mm	860 mm
L	2.500 mm	2.990 mm
M	2.980 mm	3.530 mm
N	6.100 mm	6.220 mm



Ground clearance: 390 mm (+ 58 mm grouser height)

HYDRAULIC SYSTEM

Type.....CLSS (closed-centre load sensing system)
 All spool valves externally mounted beside the hydraulic tank.
 Maximum pump flow.....171 ltr/min
 Relief valve setting280 kg/cm²
 Spool control valve positions
 Blade lift.....Raise, hold, lower, and float
 Blade tilt..... Right, hold, and left
 Additional control valve positions for ripper
 Ripper lift Raise, hold, and lower
 Hydraulic cylinders..... Double-acting, piston
 No. of cylinders × bore
 Blade lift.....2 × 100 mm
 Blade tilt.....1 × 120 mm
 Blade angle.....2 × 110 mm

RIPPER EQUIPMENT

Multishank ripper
 Type..... Hydraulically controlled parallelogram ripper
 No. of shanks3
 Weight (including hydraulic control unit) 1.780 kg
 Beam length2.170 mm
 Maximum lift above ground.....565 mm
 Maximum digging depth665 mm

DOZER EQUIPMENT

	Overall length with dozer	Blade width × height	Maximum lift above ground	Maximum drop below ground	Maximum tilt adjustment	Additional weight
3,4 m ³ PAT blade (EXi)	5.480 mm	3.250 mm × 1.195 mm	1.025 mm	580 mm	435 mm	0 kg
3,8 m ³ PAT blade (PXi)	5.480 mm	3.860 mm × 1.155 mm	1.025 mm	580 mm	515 mm	0 kg
3,8 m ³ foldable PAT blade (PXi)*	5.480 mm	3.860 mm × 1.155 mm Folding width: 2.960 mm	1.025 mm	580 mm	515 mm	+ 240 kg

Blade capacities are based on the SAE recommended practice J1265.

* Applicable only to light duty jobs.