

# 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

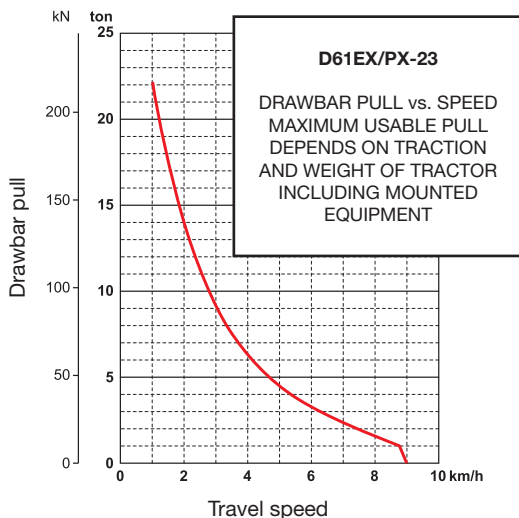
Dual-path, hydrostatic transmission provides infinite speed changes up to 9,0 km/h. The variable capacity travel motors allow the operator to select the optimum speed to match specific jobs. Travel control lock lever and neutral switch.

## 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)  
D61EX-23 ..... 2,1 m  
D61PX-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)  
D61EX-23 ..... 600 mm  
D61PX-23 ..... 860 mm

Ground contact area  
D61EX-23 ..... 37.980 cm<sup>2</sup>  
D61PX-23 ..... 54.440 cm<sup>2</sup>

Ground pressure  
D61EX-23 ..... 0,47 kg/cm<sup>2</sup>  
D61PX-23 ..... 0,34 kg/cm<sup>2</sup>

## OPERATING WEIGHT (APPR.)

Including PAT blade, steel cab, operator, rated capacity of lubricant, coolant, and full fuel tank.  
D61EX-23 ..... 17.780 kg  
D61PX-23 ..... 18.660 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)

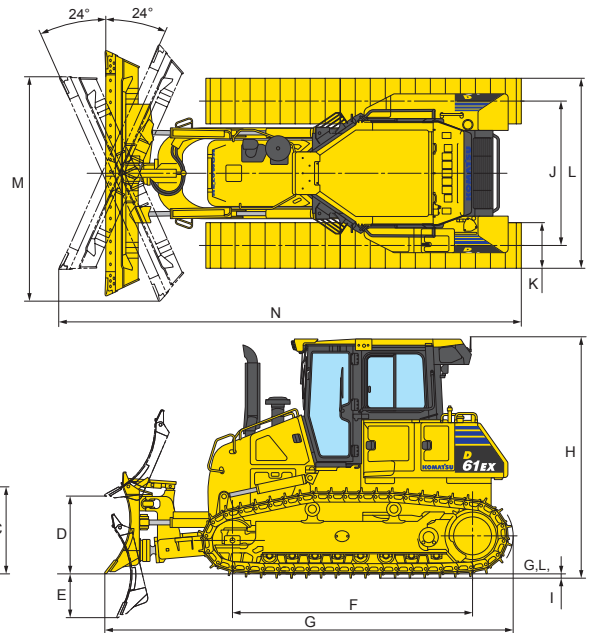
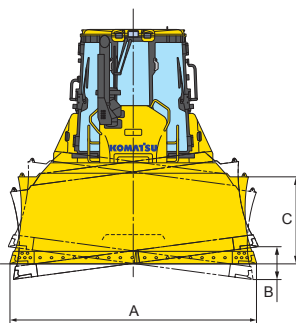
Vibration levels (EN 12096:1997)\*  
Hand/arm ..... ≤ 2,5 m/s<sup>2</sup> (uncertainty K = 0,8 m/s<sup>2</sup>)  
Body ..... ≤ 0,5 m/s<sup>2</sup> (uncertainty K = 0,2 m/s<sup>2</sup>)

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



## DIMENSIONS

	D61EX-23	D61PX-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	3.180 mm	3.180 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 setting .....280 kg/cm<sup>2</sup>  
 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 shanks .....3  
 Weight (including hydraulic control unit) ..... 1.780 kg  
 Beam length .....2.170 mm  
 Maximum lift above ground.....565 mm  
 Maximum digging depth .....665 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 <sup>3</sup> PAT blade (EX)	5.480 mm	3.250 mm × 1.195 mm	1.025 mm	580 mm	435 mm	0 kg
3,8 m <sup>3</sup> PAT blade (PX)	5.480 mm	3.860 mm × 1.155 mm	1.025 mm	580 mm	515 mm	0 kg
3,8 m <sup>3</sup> foldable PAT blade (PX)*	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.