

# Specifications

## ENGINE

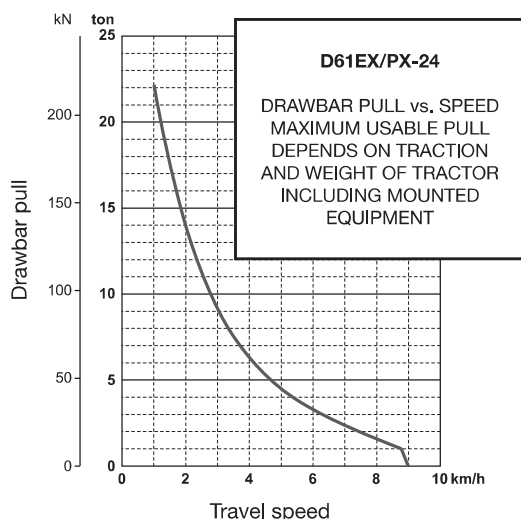
Model	Komatsu SAA6D107E-3
Type	Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel
Engine power	
at rated engine speed	2.200 rpm
ISO 14396	126 kW/169 HP
ISO 9249 (net engine power)	125 kW/168 HP
No. of cylinders	6
Bore x stroke	107 mm x 124 mm
Displacement	6,69 l
Fan drive type	Hydraulic, reversible
Lubrication system	
Method	Gear pump, force lubrication
Filter	Full flow
Fuel	Diesel fuel, conforming to EN590 Class 2/Grade D. Paraffinic fuel capability (HVO, GTL, BTL), conforming to EN 15940:2016

## 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 (EX/PX)

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



## STEERING SYSTEM

Type	Hydrostatic Steering System (HSS)
Steering control	PCCS-lever
Minimum turning radius (counter-rotation) as measured by track marks on ground	
D61EX-24	2,1 m
D61PX-24	2,3 m

## 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-24	600 mm
D61PX-24	860 mm
Ground contact area (ISO 16754)	
D61EX-24	42.180 cm <sup>2</sup>
D61PX-24	60.458 cm <sup>2</sup>
Ground pressure (ISO 16754)	
D61EX-24	0,44 kg/cm <sup>2</sup>
D61PX-24	0,32 kg/cm <sup>2</sup>

## OPERATING WEIGHT (APPR.)

Including INPAT blade, steel cab, operator, rated capacity of lubricant, coolant, and full fuel tank.	
D61EX-24	18.520 kg
D61PX-24	19.460 kg

## ENVIRONMENT

Engine emissions	Fully complies with EU Stage V 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 (EX)	≤ 2,5 m/s <sup>2</sup> (uncertainty K = 1,10 m/s <sup>2</sup> )
Hand/arm (PX)	≤ 2,5 m/s <sup>2</sup> (uncertainty K = 0,79 m/s <sup>2</sup> )
Body (EX)	≤ 0,5 m/s <sup>2</sup> (uncertainty K = 0,24 m/s <sup>2</sup> )
Body (PX)	≤ 0,5 m/s <sup>2</sup> (uncertainty K = 0,19 m/s <sup>2</sup> )
Contains fluorinated greenhouse gas HFC-134a (GWP 1430). Quantity of gas 1,2 kg, CO <sub>2</sub> equivalent 1,72 t	

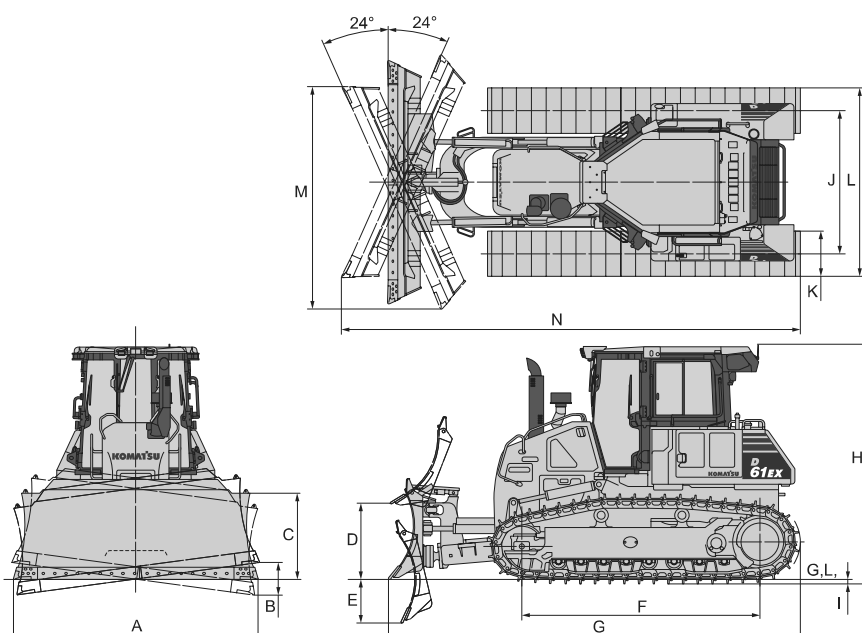
## FINAL DRIVE

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

## DIMENSIONS

	D61EX-24	D61PX-24
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	58 mm	58 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  
(+ grouser height)



## HYDRAULIC SYSTEM

Type	CLSS (closed-centre load sensing system)
All spool valves externally mounted beside the hydraulic tank.	
Maximum pump flow	171 l/min
Relief valve setting	280 kg/cm <sup>2</sup>
Spool control valve positions	
Blade lift	Raise, hold, lower, and float
Blade tilt & angle	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

## 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	560 mm
Maximum digging depth	665 mm

## SERVICE REFILL CAPACITIES

Fuel tank	372 l
Radiator	45 l
Engine oil	27 l
Hydraulic tank	101 l
Final drive (each side)	8,1 l
AdBlue® tank	20 l

## 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> INPAT 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> INPAT blade (std. PX, opt. EX)	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 INPAT blade (PX)*	5.480 mm	3.860 mm × 1.155 mm Folding width: 2.960 mm	1.025 mm	580 mm	515 mm	+ 260 kg

Blade capacities are based on the SAE recommended practice J1265.

\* Applicable only to light duty jobs.

# Standard and Optional Equipment

## ENGINE AND RELATED PARTS

Komatsu SAA6D107E-3 turbocharged common rail direct injection diesel engine	●
EU Stage V compliant	●
Alternator 24 V/90 A	●
Starter motor 5,5 kW/24 V	●
Batteries 170 Ah/2 × 12 V	●
Cooling fan, hydrostatic driven with reversing function	●
Fuel tank inlet strainer	●
Fuel pre-filter (10 micron) and fuel filter (2 micron)	●
Exhaust pipe with elbow	●
Intake pipe with rain cap	●
Intake pipe with air pre-cleaner	○

## TRANSMISSION AND BRAKES

Electronically controlled HST	●
Palm lever steering control (PCCS)	●
Quick shift selection system	●
Variable speed mode	●
Reverse speed presets	●
Combined decelerator/brake pedal	●

## UNDERCARRIAGE

Komatsu PLUS link assembly	●
Single grouser heavy-duty shoes (EX: 600 mm; PX: 860 mm)	●
Segmented sprockets	●
Idler cushions	●
Track roller guard, centre and end section	●
Full length track roller guard	○

## HYDRAULIC SYSTEM

Hydraulics for dozing blades	●
Mono lever blade control	●
Hydraulics for ripper	●

## SERVICE AND MAINTENANCE

Swing-out hydrostatic-driven radiator fan with reversing function	●
Dry type air cleaner, double element with dust indicator and evacuator	●
Water separator	●
Multi-function video compatible colour monitor with Equipment Management and Monitoring System (EMMS) and efficiency guidance	●
KOMTRAX – Komatsu wireless monitoring system (3G)	●
Komatsu CARE™ – a maintenance program for Komatsu customers	●
Tool kit	●
Grease gun holder	●
Shovel holder	●

## CABIN

Air suspension seat: fabric, reclining, heated, high backrest	●
Seat belt with visible alert	●
High mount footrest	●
Air conditioner	●
Radio	●
Auxiliary input (MP3 jack)	●
2 × 12 Volt power supply (120 W)	●
1 × 24 Volt power supply	●
Viscous cab mounts	●
Rear-view mirror (inside cab)	●
Wiper front window	●
Wiper rear window	●
Wipers doors	●
Cup holder	●
Lunch box holder	●

## LIGHTING SYSTEM

Working lights, 3 cab roof front, 2 cab roof rear	●
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## SAFETY EQUIPMENT

Steel cab, meets ISO 3471 and SAE J1040, APR88 ROPS standards, as well as ISO 3449 FOPS standards	●
Horn	●
Locks, filter caps and covers	●
Back-up alarm	●
Rear view camera system	●
Fire extinguisher	○

## ATTACHMENTS

Front pull hook	●
Hitch (not with ripper)	●
Multishank parallelogram ripper	○
Rigid drawbar	○

## DOZER EQUIPMENT

3,4 m³ INPAT blade (EX)	●
3,8 m³ INPAT blade (PX)	●
3,8 m³ INPAT blade (EX)	○
3,8 m³ INPAT blade foldable (PX)	○

Further equipment on request

- standard equipment
- optional equipment

Your Komatsu partner:

# KOMATSU

**Komatsu Europe  
International N.V.**

Mechelsesteenweg 586  
B-1800 VILVOORDE (BELGIUM)  
Tel. +32-2-255 24 11  
Fax +32-2-252 19 81  
[www.komatsu.eu](http://www.komatsu.eu)