

John F Hunt

KOMATSU

PRELIMINARY

D
37EXi/PXi

intelligent
MACHINE CONTROL

Crawler Dozer

D37EXi/PXi-23

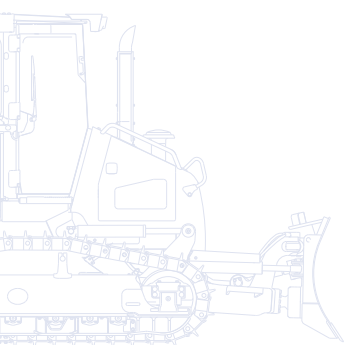
ENGINE POWER

67,7 kW / 90,7 HP @ 2.200 rpm

OPERATING WEIGHT

D37EXi-23: 8.640 kg

D37PXi-23: 8.940 kg



Intelligent Machine Control

- 3D GNSS system
- Integrated & standard factory installed
- Automated operation from rough dozing to finish grade
- Highly increased efficiency

Unmatched visibility and safety

- Unique super-slant nose
- Cab-forward design
- Integrated ROPS/FOPS
- Rear view camera system

Easy maintenance

- Rear-mount radiator with swing-up hydraulic fan
- Monitor with self-diagnostic function
- Simple and convenient access to service points

High productivity & low fuel consumption

- Low consumption EU Stage IIIB engine
- Highly efficient hydrostatic drive line
- Straight Power Angle Tilt blade with adjustable pitch
- Electronically-controlled, hydraulically-driven fan



Komatsu Wireless
Monitoring System



Complimentary maintenance
program for customers



First-class operator comfort

- Outstanding 360° visibility
- Large TFT colour multi monitor
- Large and quiet pressurized cab
- Easy control with Palm Command Control System joysticks (PCCS)
- Heated air-suspended driver seat positioned close to centre of gravity



High reliability and durability

- New Komatsu PLUS undercarriage (standard)
- Modular power train design
- Heavy-plate steel used throughout
- Main frame made with welded and cast parts



Improved efficiency

The fully automatic modes drastically improve efficiency of dozer operations. Intelligent machine control technology helps even less experienced operators perform top quality work.



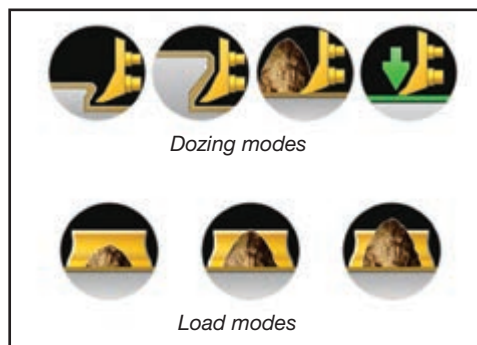
Factory integrated

All components for machine control are installed during assembly at the Komatsu manufacturing facility, ensuring a reliable and high quality installation. Komatsu customer support is extended to the machine control system itself.



Cab top GNSS antenna

No more worries about blade mounted antennas or cables. The cab top GNSS antenna on your D37EXi/PXi-23 reduces risk of damage and theft.



Dozing modes

Load modes

Intuitive selectable load settings

Machine control load settings can be adjusted between presets to tailor response to material conditions. From dry loose sandy soils to wet heavy clay materials, system performance can be targeted accordingly.

D37EXi/PXi-23

ENGINE

Model Komatsu SAA4D95LE-6
 Type 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

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.

OPERATING WEIGHT (APPR.)

Including PAT blade, hitch, steel cab, operator, rated capacity of lubricant, coolant, and full fuel tank.

D37EXi-23 8.640 kg
 D37PXi-23 8.940 kg

STEERING SYSTEM

Type Hydrostatic Steering System (HST)
 Steering control PCCS-lever
 Service brakes Hydraulic dynamic brake, pedal-controlled
 Minimum turning radius (pivot turn)
 D37EXi-23 2,1 m
 D37PXi-23 2,3 m
 As measured by track marks on the ground.

ENVIRONMENT

Engine emissions Fully complies with EU Stage IIIB exhaust emission regulations

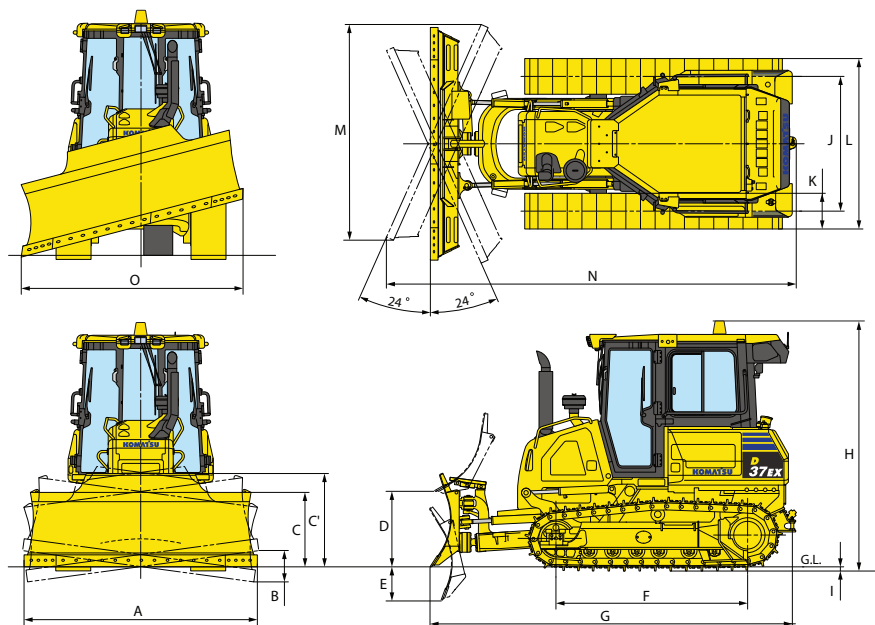
Noise levels

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 $\leq 2,5 \text{ m/s}^2$ (uncertainty $K = 1,30 \text{ m/s}^2$)
 Body $\leq 0,5 \text{ m/s}^2$ (uncertainty $K = 0,29 \text{ m/s}^2$)

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



Ground clearance: 325 mm

DIMENSIONS

	D37EXi-23	D37PXi-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	2.945 mm	2.945 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