

# KOMATSU

## **D85EXi-18** **D85PXi-18**

*EU Stage V Engine*

**CRAWLER DOZER**

**PRELIMINARY**



**intelligent**  
**MACHINE CONTROL**

**ENGINE POWER**

199 kW / 267 HP @ 1.900 rpm

**OPERATING WEIGHT**

D85EXi-18: 30.800 kg  
D85PXi-18: 29.350 kg

**BLADE CAPACITY**

5,90 - 7,20 m<sup>3</sup>

**D85i**

## OUTSTANDING IMPROVEMENTS IN PRODUCTIVITY

**Automatic dozing from start to finish – a fully automatic blade control function that performs both rough dozing and finish grade in automatic mode!**



### *High productivity & low fuel consumption*

- NEW** • Low consumption EU Stage V engine
- Powerful torque converter drive with automatic gear shifting
- NEW** • Adjustable Eco-gauge and auto idle stop
- Selectable working modes

### *Intelligent Machine Control*

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



Images may display optional equipment or specifications not available in your area.

### Optimised Work Equipment

- Sigmadozer® blade with hydraulic pitch
- Straight tilt dozer blade
- Multishank parallelogram ripper

### First-Class Operator Comfort

- Quiet and comfortable cab
- Fully adjustable air-suspended seat
- Superior visibility on blade and ripper

### State-of-the-Art Controls

- Hydrostatic steering system
- Gearshift preset function
- Remote safety lock levers
- Large TFT colour multi-monitor

### Tough and Reliable

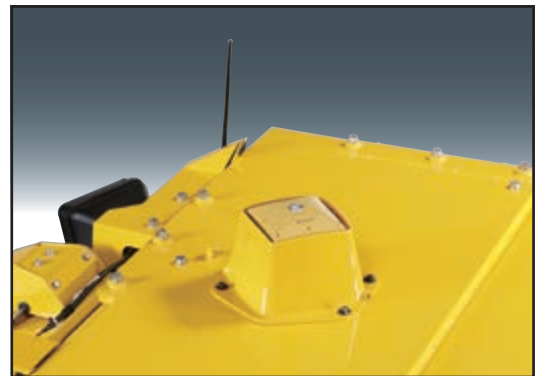
- Sturdy, rugged design
- Self-adjusting idler support

**NEW**

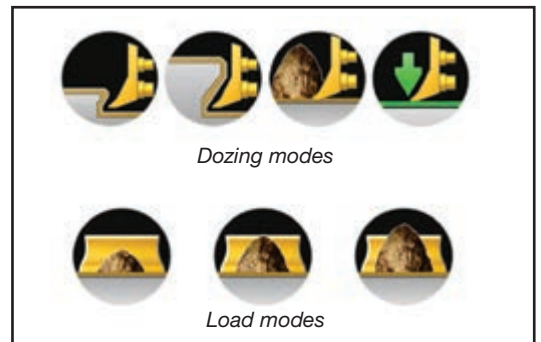
- Low-drive “PLUS” undercarriage

### KOMTRAX™

- Komatsu Wireless Monitoring System
- 3G mobile communications
- Integrated communication antenna
- Increased operational data and fuel savings



All components for machine control are factory-installed during assembly at the Komatsu manufacturing facility, ensuring reliability and high quality.



Intuitive selectable load settings – Machine control load settings can be adjusted between presets to tailor response to material conditions.



The standard touch screen control box is factory installed and features a simple, easy-to-use operator interface.



Surface track mapping: cab top GNSS antenna collects accurate “as-built” surface data. It measures actual elevations, as the machine continuously tracks in operation.



Complimentary maintenance program for customers



## ENGINE

Model	Komatsu SAA6D125E-7
Type	Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel
Engine power	
at rated engine speed	1.900 rpm
ISO 14396	199 kW/267 HP
ISO 9249 (net engine power)	197 kW/264 HP
No. of cylinders	6
Bore × stroke	125 × 150 mm
Displacement	11,04 l
Fan drive type	Hydraulic, reversible
Lubrication system	
Method	Gear pump, force lubrication
Filter	Full flow

## UNDERCARRIAGE

Suspension	Oscillating equaliser bar and pivot shaft
Track roller frame	Monocoque, large section, durable construction
Rollers and idlers	Lubricated track rollers
Tracks	PLUS link assembly

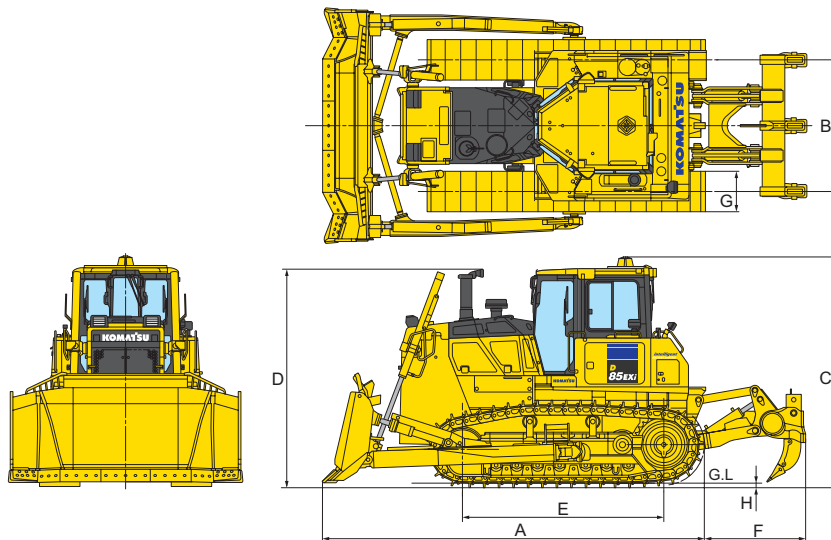
## TORQFLOW TRANSMISSION

Type	Komatsu TORQFLOW
Torque converter	3-element, 1-stage, 1-phase, water-cooled
Transmission	Planetary gear, multiple-disc clutch, hydraulically actuated, force-lubricated

## DIMENSIONS

	D85EXi-18 Sigmadozer® with multishank ripper	D85PXi-18 Straight tilt blade with long drawbar
A	5.810 mm	6.025 mm
B	2.000 mm	2.250 mm
C	3.498 mm	3.498 mm
D	3.300 mm	3.300 mm
E	3.030 mm	3.460 mm
F	1.515 mm	410 mm
G	610 mm	910 mm
H	72 mm	72 mm

Ground clearance: 460 mm



## DOZER EQUIPMENT

	Overall length with blade	Blade capacity	Blade width × height	Max. lift above ground	Max. drop below ground	Max. tilt adjustment	Additional weight
D85EXi-18 Strengthened Sigmadozer®	5.810 mm	7,20 m³	3.575 × 1.665 mm*	1.225 mm	580 mm	700 mm	4.030 kg
D85PXi-18 Straight tilt	6.025 mm	5,90 m³	4.355 × 1.400 mm	1.240 mm	550 mm	500 mm	3.140 kg

Blade capacities are based on the SAE recommended practice J1265.

\* including spill guard