KOMATSU

D85EXi-18
D85PXi-18

EU Stage V Engine

D85i

CRAWLER DOZER



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 m³

Walk-Around

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!

intelligent MACHINE CONTROL

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

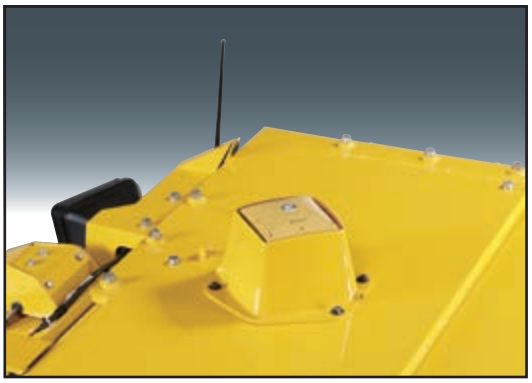
- Low-drive “PLUS” undercarriage

KOMTRAX™

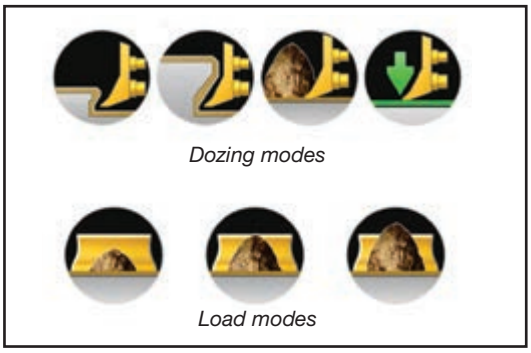
- Komatsu Wireless Monitoring System
- 3G mobile communications
- Integrated communication antenna
- Increased operational data and fuel savings



KOMATSU CARE™ Complimentary maintenance program for customers



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.

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

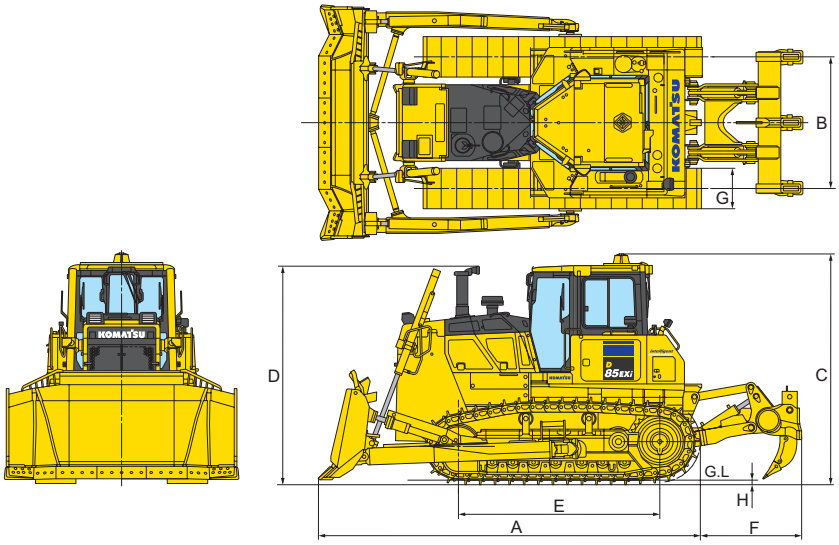
TORQFLOW TRANSMISSION

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

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