

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 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!



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

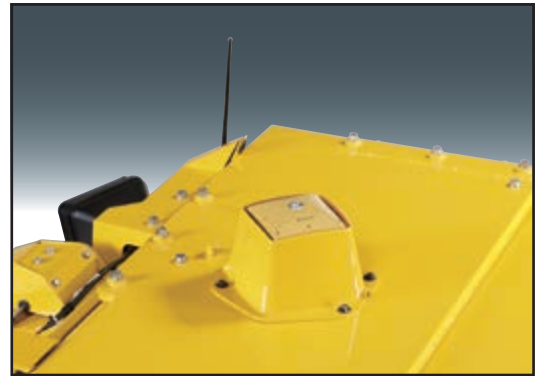
Tough and Reliable

- Sturdy, rugged design
- Self-adjusting idler support
- Low-drive "PLUS" undercarriage

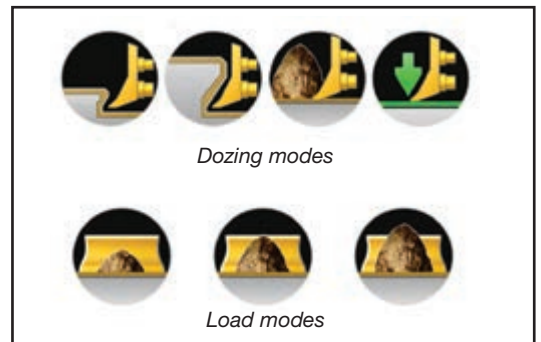
NEW

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 x stroke | 125 x 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 |

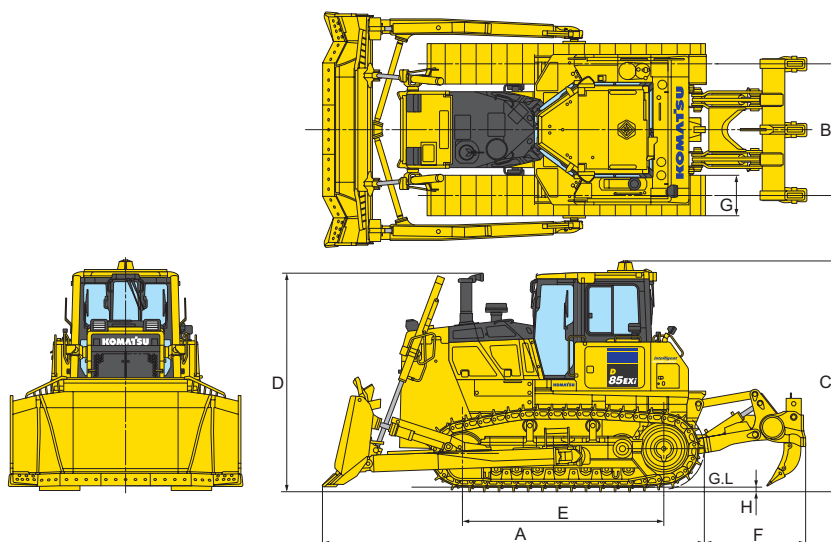
TORQFLOW TRANSMISSION

| | |
|------------------|--|
| 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 x 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 x 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 x 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