

Mid-size dozer

# D65PXi-18

Horsepower	217 HP @ 1,950 rpm
Operating weight	48,620 lbs.
Blade capacity	4.8 yd <sup>3</sup>

[View all specs](#)

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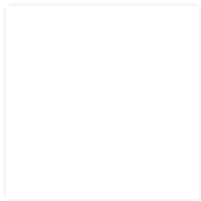
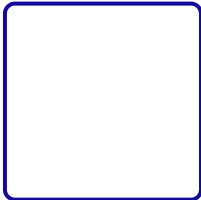
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Overview

Specifications

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## A workhorse for your fleet

Move heavy loads in soft or wet conditions. The D65PXi-18's long track/low ground pressure offers outstanding flotation and extended wear life undercarriage with the 36" wide Parallel Link Undercarriage System (PLUS) rotating bushing track shoes. Fine tune it with a choice of blade options.

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Get new operators up to speed quickly

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Go from mass ex to finished grading faster than ever

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Fully integrate 3D design data into your machines

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Empower operators to work efficiently, pass after pass

## Features and benefits





### **Close the operator skill gap**

Machine logic allows the dozer to continuously learn the terrain and make calculated decisions for the next pass. Intelligent Machine Control helps lessen the skill gap between new and experienced operators.



### **Advanced machine control**

In select situations — auto stripping, rough dozing, spreading, advanced finish grading — operators can opt for nearly 100% machine control auto usage. They can even apply automatic control without having a 3D model.



### **A machine that learns from the operator**

Automatic functions give the dozer the ability to learn from operator's blade input, resulting in more adaptability, easier operation and less reliance on operator input.



### **Outstanding blade response for finish grading**

To deliver unparalleled grading performance, IMC enables the dozer to look ahead at grade transitions and alter the blade angle accordingly.

Specifications for D65PXi-18

Engine

TORQFLOW Transmission

Komatsu TORQFLOW transmission consists of a water-cooled, 3-element, 1-stage, 2-phase, torque converter with lockup clutch, and a planetary gear, multiple-disc clutch transmission which is electronically controlled, hydraulically actuated and force-lubricated for optimum heat dissipation. Shift lock lever and neutral safety switch.

Travel speed	Forward	Reverse
1st	2.3 mph	2.8 mph
2nd	3.5 mph	4.2 mph
3rdL	4.5 mph	5.4 mph
3rd	7.0 mph	8.5 mph

Steering System

Palm Command Control System (PCCS) lever controls for all directional movements. Pushing the PCCS lever forward results in forward machine travel, while pulling it rearward reverses the machine. Simply tilt the PCCS lever to the left for a left turns, tilt it right for right turns.

Hydrostatic Steering System (HSS) power has been increased 25% by a larger HSS motor, greater hydraulic pump flow, and more



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engine power while steering. The result is more powerful turns and quicker counter-rotation. Wet, multiple-disc, pedalcontrolled service brakes are spring-actuated and hydraulically released. Gear shift lock lever also applies parking brake.

**Minimum turning radius:**

D65EX-18	6 ft. 3 in
D65EXi-18	6 ft. 3 in
D65PX-18	7 ft. 3 in
D65PXi-18	7 ft. 3 in
D65WX-18	6 ft. 11 in

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**Undercarriage**

Suspension	Oscillating equalizer bar and pivot shaft
Track roller frame	Monocoque, large section, durable construction
Rollers and idlers	Lubricated
Track shoes	Parallel Link Undercarriage System (PLUS) with lubricated rotating bushings for extended system wear life and lower maintenance costs. Track tension is easily adjusted with grease gun.

**Tractor for inside mounted blade (Requires Waste Package)\***

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	D65PX-18
Number of track rollers (each side)	8
Type of shoes (standard)	ES PLUS clipped
Number of shoes (each side)	45
Grouser height	2.6 in
Shoe width (standard)	30 in
Ground contact area (ISO 16754)	8,619 in <sup>2</sup>
Ground pressure (tractor) (ISO 16754)	5.51 psi
Track gauge	7 ft. 4 in
Length of track on ground	10 ft. 9 in

*\*See page 17 of spec sheet for tractor/blade combinations.*

## Final Drive

Double-reduction planetary gear final drives increase drawbar pull and reduce stresses for longer life. Segmented sprocket teeth are bolt-on for easy replacement. Triple labyrinth housing protects the final drive seals.

## Hydraulic System

Closed-center load sensing system (CLSS) designed for precise and responsive control, and for efficient simultaneous operation.

**Hydraulic control units:**



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All spool valves externally mounted beside the hydraulic tank.  
Piston type hydraulic pump with capacity (discharge flow) of 65.5  
US gpm at rated engine rpm.

Relief valve setting	4,050 psi
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Control valves:

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**Spool control valves for SIGMADOZER®  
or straight tilt dozer**

***Positions:***

Blade lift	Raise, hold, lower, and float
Blade tilt	Right, hold, and left
Rear attachment	Raise, hold, and lower

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**Service Refill Capacities**

Fuel tank	109.6 US gal
DEF tank	6.2 US gal
Coolant	12.9 US gal
Engine	8.1 US gal
Torque converter, transmission, bevel gear, and steering system	12.7 US gal

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Final drive (each side)	7.1 US gal
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## Support you can count on

### **Financing**

Financing can be a major advantage for your operation, enabling you to get the equipment and service you need with terms to fit your balance sheet. Take advantage of competitive and flexible financial tools with Komatsu financing.

### **My Komatsu**

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### **Improve your productivity with Smart Construction**

Construction workforce shortages are prompting many firms to innovate their way to greater productivity.

Technology that works as hard as you do





## Intelligent Machine Control

First U.S. IMC Customer:  
5 Years of Growth

Smart Construction



Productivity is the key to success on your job site, and the faster your crew can reach a state of maximum productivity, the better. Now you have a powerful tool to help make that happen with Komatsu's Intelligent Machine Control (IMC). Incorporating a host of advanced, proprietary machine technology, IMC gives you the opportunity to take advantage of sophisticated, productivity-enhancing automation and cutting-edge job site design.

[Learn more](#)

## Related products



# D65EXi-18

	217 HP	D65EX-18	D65PX-18
Horsepower	@ 1,950 rpm	Horsepower	Horsepower
		@ 1,950 rpm	@ 1,950 rpm
Operating weight	45,780 lbs.		
		45,628 - 48,796 lbs.	48,444 - 51,960 lbs.
Blade capacity	7.3 yd <sup>3</sup>		
		7.3 yd <sup>3</sup>	4.8 yd <sup>3</sup>

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