

# KOMATSU®

## **D65EX-18** **D65PX-18** *Tier 4 Final Engine*

### **CRAWLER DOZER**

# D65



Photos may include optional equipment.

#### **NET HORSEPOWER**

217 HP @ 1950 rpm  
162 kW @ 1950 rpm

#### **OPERATING WEIGHT**

Power Angle Tilt Dozer  
D65EX-18: 48,680 lb 22080 kg  
D65PX-18: 50,180 lb 22760 kg

#### **BLADE CAPACITY**

Power Angle Tilt Dozer  
D65EX-18: 5.6 yd<sup>3</sup> 4.3 m<sup>3</sup>  
D65PX-18: 5.8 yd<sup>3</sup> 4.4 m<sup>3</sup>

# WALK-AROUND

D65EX/PX-18



Photos may include optional equipment.

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## OUTSTANDING PRODUCTIVITY & FUEL ECONOMY

Versatile Power Angle Tilt (PAT) blade can be used in many applications.

Auto shift transmission with lock-up torque converter improves fuel consumption and performance.



**SAA6D114E-6 diesel engine** provides excellent fuel economy. This engine is EPA Tier 4 Final emissions certified.

**Komatsu Variable Geometry Turbocharger (KVGIT)** uses a hydraulic actuator to provide optimum air flow under all speed and load conditions.

**Includes a wide core A/C condenser** and bowl-type precleaner for the cab air intake for improved performance in high debris applications.

**Komatsu Diesel Particulate Filter (KDPF)** captures 90% of particulate matter and provides automatic regeneration that does not interfere with daily operation.

**Selective Catalytic Reduction (SCR)** removes NOx exhaust gases automatically by injecting AdBlue®/DEF (diesel exhaust fluid) and is seamless to the operator.

**Auto Idle Shutdown** helps reduce non-productive engine idle time and reduces operating costs.

**KOMTRAX®** sends information to a secure website including machine location, SMR, error codes, cautions, maintenance items, fuel usage, fuel levels, AdBlue®/DEF levels, ambient conditions and much more.

### Integrated ROPS cab features include:

- Large, quiet, and pressurized cab
- Improved visibility with integrated ROPS structure
- New heated air-suspension seat with high capacity
- Aux plug for audio player and two 12 volt connections

### Large color monitor:

- Easy-to-read and use large 7" high-resolution multi-color monitor
- ECO guidance
- On-board diagnostics

**Rearview Monitoring System (standard)** displays the area behind the machine onto the wide landscape view color monitor screen.

**Parallel Link Undercarriage System (PLUS)** with lubricated rotating bushings provides up to double the wear life and lower repair and maintenance costs.

**Triple Labyrinth Final Drive** improves durability.

### Ergonomic Operator Controls

- Palm Command Control System (PCCS) comfortably fits the operator's hands
- Automatic/manual selectable transmission shift mode
- Forward/reverse shift pattern preset function

### Komatsu designed and manufactured components

### Enhanced provision for Topcon® Machine control (standard).

Easy bolt-on finishing kit makes machine plug-and-play.

**Hydrostatic Steering System (HSS)** provides smooth power to both tracks when turning. Counter-rotation is available when in neutral.

### Power and Economy Modes

"Power" can be selected for maximum productivity, "Economy" for an additional 10% fuel savings under moderate loads.

### Battery Disconnect Switch

Eliminates power draw when storing the machine.

**Operator Identification System** can track machine operation for up to 6 operators.



## ENGINE

Model.....Komatsu SAA6D114E-6\*  
 Type..... 4-cycle, water-cooled, direct injection  
 Aspiration.....Komatsu Variable Geometry  
                   Turbocharged, air-to-air aftercooled, cooled EGR  
 Number of cylinders..... 6  
 Bore x stroke..... 114 mm x 144.5 mm **4.49" x 5.69"**  
 Piston displacement..... 8.9 ltr **543 in<sup>3</sup>**  
 Governor.....All-speed and mid-range, electronic  
 Horsepower  
   SAE J1995.....Gross 164 kW **219 HP**  
   ISO 9249 / SAE J1349.....Net 162 kW **217 HP**  
 Rated rpm..... 1950 rpm  
 Fan drive type.....Hydraulic  
 Lubrication system  
   Method.....Gear pump, force lubrication  
   Filter.....Full-flow

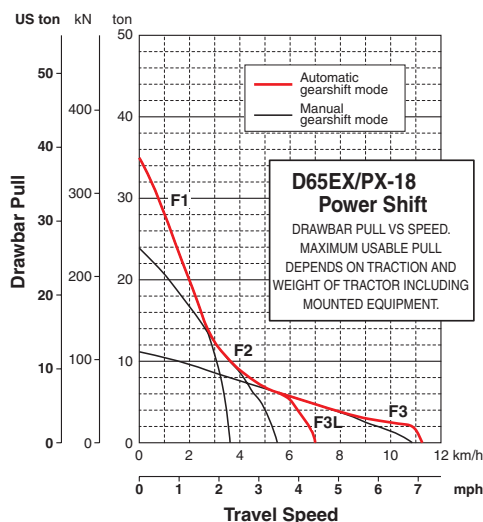
\*EPA Tier 4 Final emissions certified



## TORQFLOW TRANSMISSION

Komatsu's automatic 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. Equipped with gearshift lock lever and neutral safety switch.

Travel speed	Forward	Reverse
<b>1st</b>	3.7 km/h <b>2.3 mph</b>	4.5 km/h <b>2.8 mph</b>
<b>2nd</b>	5.6 km/h <b>3.5 mph</b>	6.7 km/h <b>4.2 mph</b>
<b>3rd L</b>	7.3 km/h <b>4.5 mph</b>	8.7 km/h <b>5.4 mph</b>
<b>3rd</b>	11.3 km/h <b>7.0 mph</b>	13.6 km/h <b>8.5 mph</b>



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AD09(Electronic View Only)

09/14 (EV-1)



*Note: All comparisons and claims of improved performance made herein are made with respect to the prior Komatsu model unless otherwise specifically stated.*

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## SERVICE REFILL CAPACITIES

Coolant ..... 54 ltr **14.3 U.S. gal**  
 Fuel tank ..... 415 ltr **109.6 U.S. gal**  
 AdBlue®/DEF tank ..... 45 ltr **11.9 U.S. gal**  
 Engine oil ..... 25 ltr **6.6 U.S. gal**  
 Hydraulic oil ..... 55 ltr **14.5 U.S. gal**  
 Transmission, bevel gear, steering system .. 48 ltr **12.7 U.S. gal**  
 Final drive (each side):  
   D65EX-18 non-PAT ..... 16.5 ltr **4.4 U.S. gal**  
   D65EX-18 PAT, PX ..... 22 ltr **5.8 U.S. gal**



## UNDERCARRIAGE

Suspension.....Oscillating-type with equalizer bar and forward mounted pivot shafts  
 Track roller frame .....Monocoque, high-tensile strength steel construction  
 Rollers and idlers ..... Lubricated  
 Track shoes  
   Parallel Ling 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 with inside mounted blade (PAT)\*

	D65EX-18	D65PX-18
Number of track rollers (each side)	7	8
Type of shoes (standard)	Single grouser	Single grouser
Number of shoes (each side)	42	45
Grouser height	mm <b>in</b> 65 <b>2.6"</b>	65 <b>2.6"</b>
Shoe width (standard)	mm <b>in</b> 560 <b>22"</b>	760 <b>30"</b>
Ground contact area	cm <sup>2</sup> 33265	49780
	<b>in<sup>2</sup> 5,156</b>	<b>7,716</b>
Ground pressure	kPa 64	45
(tractor)	kgf/cm <sup>2</sup> 0.66	0.46
	<b>psi 9.34</b>	<b>6.49</b>
Track gauge	mm <b>ft.in</b> 2050 <b>6'9"</b>	2230 <b>7'4"</b>
Length of track on ground	mm <b>ft.in</b> 2970 <b>9'9"</b>	3275 <b>10'9"</b>