

# KOMATSU®

## D65EX-15 D65PX-15 D65WX-15 D65WX-15 PAT With Tier 3 Engine

**NET HORSEPOWER**  
153 kW **205 HP** @ 1950 rpm

**OPERATING WEIGHT**  
D65EX-15: 20280 kg **44,710 lb**  
D65PX-15: 21000 kg **46,300 lb**  
D65WX-15: 20940 kg **46,170 lb**  
D65WX-15 PAT: 21460 kg **47,310 lb**

**D**  
**65**

CRAWLER DOZER



Photos may include optional equipment.

# WALK-AROUND

***Komatsu-integrated design*** for the best value, reliability, and versatility. Hydraulics, power train, frame, and all other major components are engineered by Komatsu. You get a machine whose components are designed to work together for higher production, greater reliability, and more versatility.

***Hydraulic Driven Radiator Cooling Fan*** controlled automatically, reduces fuel consumption and operating noise levels.

***SAA6D114E- 3 turbocharged after-cooled diesel engine*** provides an output of 153 kW **205 HP** with excellent productivity. This engine is EPA Tier 3 and EU Stage 3A emissions certified.

***Gull-wing*** engine side doors for easy servicing.

High capacity ***Semi-U Tilt dozer*** (for D65EX/WX), ***Straight Tilt dozer*** (for D65PX) and ***Power Angle Tilt (PAT) dozer*** (for D65WX), combine the highest power in its class with outstanding productivity.

***Blade tilt lines*** completely protected.



## **KOMTRAX™**

KOMTRAX equipped machines can send location, SMR and operation maps to a secure website utilizing wireless technology. Machines also relay error codes, cautions, maintenance items, fuel levels, and much more.

***Komatsu Torqflow transmission*** offers single lever control of speed (3 forward and 3 reverse) and directional changes.

***New Hexagonal Designed Cab includes:***

- Spacious interior
- Comfortable ride with new cab damper
- Excellent visibility
- High capacity air conditioning system (optional)
- Palm Command Control System (PCCS) lever
- Pressurized cab (optional)
- Adjustable armrests



***Electronic Monitoring System*** prevents minor problems from developing into major ones.

***Hydrostatic Steering System (HSS)*** provides smooth, quick, and powerful control in various ground conditions.

***Wet, multiple-disc brakes*** eliminates brake-disc adjustments for maintenance-free operation.

***Modular power train*** for increased serviceability and durability.

Forward mounted ***pivot shafts*** isolate final drives from blade loads.

**NET HORSEPOWER**  
153 kW 205 HP @ 1950 rpm

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**BLADE CAPACITY**  
Semi-U Tilt Dozer:  
D65EX-15: 5.61 m<sup>3</sup> **7.34 yd<sup>3</sup>**  
D65WX-15: 6.23 m<sup>3</sup> **8.15 yd<sup>3</sup>**  
Straight Tilt Dozer:  
D65EX-15: 3.89 m<sup>3</sup> **5.09 yd<sup>3</sup>**  
D65PX/WX-15: 3.69 m<sup>3</sup> **4.83 yd<sup>3</sup>**  
D65WX-15 PAT: 4.40 m<sup>3</sup> **5.75 yd<sup>3</sup>**

Photos may include optional equipment.

***Bolt-on segmented sprocket teeth***  
for easy in-the-field replacement.

# PALM COMMAND CONTROL SYSTEM (PCCS)

Komatsu's new ergonomically designed control system "PCCS" creates an operating environment with "complete operator control."

## Human-Machine Interface

### Palm Command Electronic Controlled Travel Control Joystick

Palm command travel joystick provides the operator with a relaxed posture and superb fine control without operator fatigue. Transmission gear shifting is simplified with thumb push buttons.



### Full-adjustable Suspension Seat and Travel Control Console

The travel control console has adjustment fore and aft, and height. For improved rear visibility during reverse operations, the operator can adjust seat 15° to the right.

### Palm Command Proportional Pressure Control (PPC) Blade Control Joystick

Blade control joystick uses the PPC valve and joystick, similar to the travel control joystick. PPC control combined with the highly reliable Komatsu hydraulic system enables superb fine control.



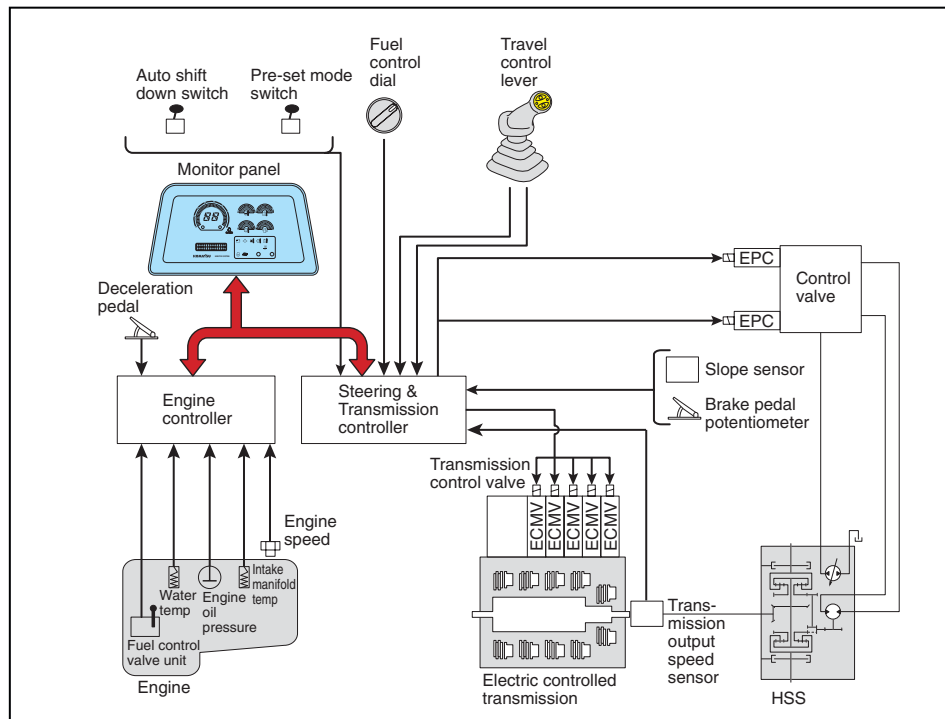
### Fuel Control Dial

Engine revolution is controlled by electric signal, providing ease of operation, eliminating maintenance of linkage and joints.

### Height Adjustable Armrest

Armrest height is adjustable without any tools, providing the operator with firm arm support in an ideal armrest.

## Outline of Electronic Control System



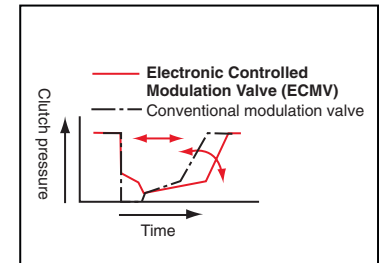
# Power Train Electronic Control System

## Smooth and Soft Operation

D65 utilizes a newly designed power train electronic control system. The controller registers the amount of operator control (movements of lever and operation of switches) along with machine condition signals from each sensor, to calculate accurately the control of the transmission for optimal machine operation. The ease of operation and productivity of the new D65EX/PX/WX is greatly improved through these new features.

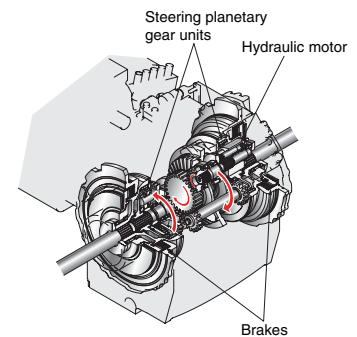
## Electronic Controlled Modulation Valve (ECMV) Transmission

Controller automatically adjusts each clutch engagement depending on travel conditions such as gear speed, revolution and shifting pattern. This provides smooth shockless clutch engagement, improved component reliability, improved component life and operator ride comfort.



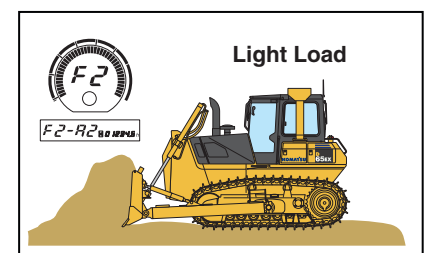
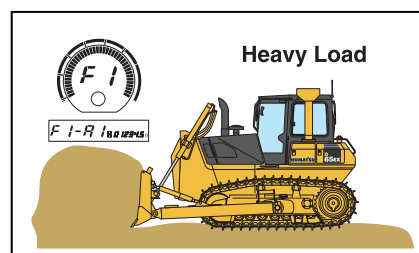
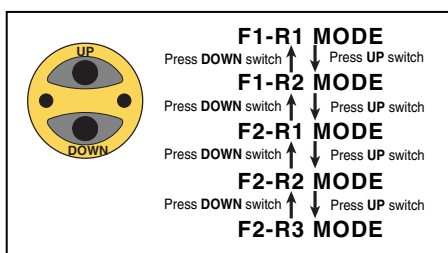
## Hydrostatic Steering System—Smooth, Powerful turning

The Hydrostatic Steering System (HSS) is powered by an independent hydraulic pump with engine power transmitted to both tracks without power interruption on the inside track. When the machine turns, the outside track moves faster and the inside slower, for smooth, powerful turns. Counter-rotation is available for minimum turning radius providing excellent maneuverability. Shock-free steering reduces machine vibration and minimizes operator fatigue.



## Shift Preset Function

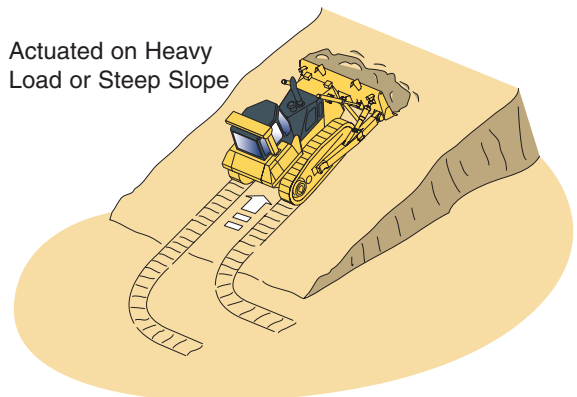
Shift Preset Mode is provided as standard equipment. The preset switch enables the operator to select a combination of forward/reverse gear shifts, from 4 patterns; F1-R1, F1-R2, F2-R2 and F2-R3, by using UP/DOWN shift switch, and once the shift pattern is selected, only forward / reverse direction control selection is required. Once F2-R2 pattern is selected, for example, 2nd gear is automatically selected when the travel control joystick is moved into forward/reverse. This function reduces gear shifting frequency during machine operation, and is especially helpful, when used together with the Auto-Downshift Function.



## Auto-Downshift Function

Controller monitors engine speed, travel gear and travel speed. When load is applied and machine travel speed is reduced, the controller automatically downshifts to optimize gear speed to provide high fuel efficiency. This function provides comfortable operation and high productivity without manual downshifting. This function can be deactivated with a cancel switch.

Actuated on Heavy Load or Steep Slope



# PRODUCTIVITY FEATURES



**ecology & economy - technology 3**

Komatsu's new "ecot3" engines are designed to deliver optimum performance under the toughest of conditions, while meeting the latest environmental regulations. This engine is EPA Tier 3 and EU Stage 3A emissions certified; "ecot3" - ecology and economy combine with Komatsu technology to create a high performance engine without sacrificing power or productivity.

## Engine

The Komatsu SAA6D114E-3 engine delivers 153 kW **205 HP** at 1950 rpm. The fuel-efficient Komatsu engine, together with the heavy machine weight, make the D65EX/PX/WX superior crawler dozers in both ripping and dozing operations. The engine features direct fuel injection, turbocharger, and air-to-air and aftercooler to maximize fuel efficiency.

To minimize noise and vibration, the engine is mounted to the main frame with rubber cushions.

### Hydraulic Drive Radiator Cooling Fan

Fan rotation is automatically controlled depending on coolant and hydraulic oil temperature, saving fuel consumption and providing great productivity with a quiet operating environment.

## Work Equipment

### Large Blade

Capacities of 3.89 m<sup>3</sup> **5.09 yd<sup>3</sup>** (Straight-Tilt Dozer for D65EX), 3.69 m<sup>3</sup> **4.83 yd<sup>3</sup>** (Straight-Tilt Dozer for D65PX/WX), 5.61 m<sup>3</sup> **7.34 yd<sup>3</sup>** (Semi-U Dozer for D65EX), 6.23 m<sup>3</sup> **8.15 yd<sup>3</sup>** (Semi-U Dozer for D65WX), and 4.40 m<sup>3</sup> **5.75 yd<sup>3</sup>** (PAT for D65WX). yield outstanding production. High-tensile-strength steel has been incorporated into the front and sides of the blade for increased durability.

## Undercarriage

### Low Drive Undercarriage

Komatsu's design is extraordinarily tough and offers excellent grading ability and stability.



### Wide Track Version (WX Series)

A wide track machine has the same length of track on ground as an EX model combined with the track gauge of the PX model. This provides the operator with the tractive effort and productivity of the EX as well as the stability and flotation of the PX.

### Addition of 6 Way Blade Option (WX series)

The D65WX-15 PAT machine utilizes the same track gauge as the D65PX & WX outside blade mounted machines but it features extended track on ground (T.O.G) of 9'9" and 8 bottom rollers for productivity, reliability and machine balance.

The Power Angle Tilt (PAT) blade makes the machine extremely versatile. It allows the machine to operate in a wide variety of applications such as finish grading, ditching, and backfilling.



WX Series Machine with PAT Blade Option.

# WORKING ENVIRONMENT

## Operator Comfort

Operator comfort is essential for productive work. The D65 provides a quiet, comfortable environment where the operator can concentrate on the work at hand.



### Hexagonal Pressurized Cab

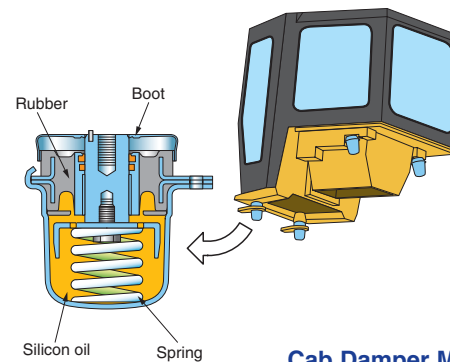
- The cab's new hexagonal design and large tinted glass windows provide excellent front, side, and rear visibility.
- Air filters and a higher internal air pressure combine to prevent dust from entering the cab.



Photos may include optional equipment.

### Comfortable Ride with New Cab Damper Mounting

D65's cab mounts use a newly designed cab damper which provides excellent shock and vibration absorption capacity with its long stroke. Cab damper mounts soften shocks and vibration, while traveling over adverse conditions, which conventional mounting systems are unable to absorb. The cab damper spring isolates the cab from the machine body, suppressing vibration and providing a quiet, comfortable operating environment.



Cab Damper Mounting

### New Suspension Seat

D65 uses a newly designed suspension seat. Fore and aft sliding rails and suspension spring have been newly designed to increase strength and rigidity. The new seat provides excellent support, improving riding comfort. Fore and aft seat travel has been designed for all operator sizes.



# EASY MAINTENANCE

## Preventative Maintenance

Preventative maintenance is the only way to ensure long service life from your equipment. That's why Komatsu designed the D65 with conveniently located maintenance points to make necessary inspections and maintenance quick and easy.

### Centralized Service Station

To assure convenient maintenance, the transmission and HSS oil filters, power train oil level gauge and hydraulic tank are arranged on the right side of the machine.



### Monitor With Self-Diagnostic Function

With the starting switch turned ON, check-before-starting and caution items appear on the lower right part of the monitor panel. If the monitor finds abnormalities, a corresponding warning lamp blinks and a warning buzzer sounds. Engine rpm and forward/reverse gear speed are displayed on the upper part of the monitor during operation. When abnormalities occur during operation, the user code and service meter are displayed alternately. When a critical user code is displayed, the caution lamp blinks and a warning buzzer sounds to prevent the development of serious problems.

### Enclosed Hydraulic Piping

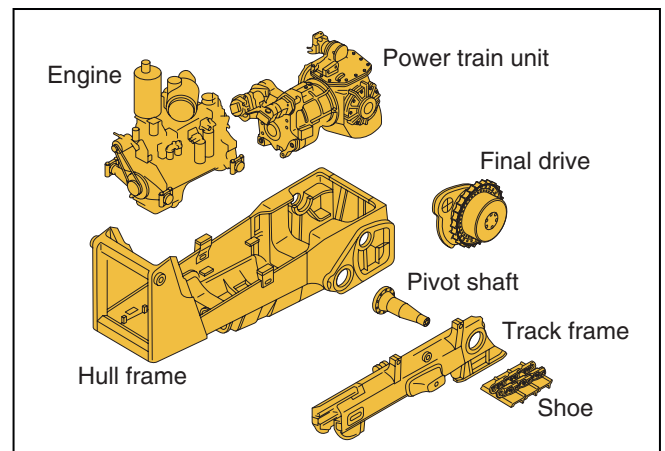
Hydraulic piping for the blade tilt cylinder is completely housed in the push arm, ensuring damage protection from materials.

### Easy Cleaning With Hydraulic Driven Radiator Fan

The radiator core and the core on the front side of the oil cooler can be easily cleaned by running the hydraulic engine fan in reverse. Accordingly, the cleaning intervals of those cores can be increased.

### Modular Power Train Design

Power train components are sealed in a modular design that allows the components to be dismantled and mounted without oil spillage.



### Reliable Simple Structure

Simple hull structure main frame design increases durability and reduces stress concentration at critical areas. The track frame has a large cross section and utilizes pivot shaft mounting for greater reliability.

### Maintenance-Free Disc Brakes

Wet disc brakes are adjustment-free and provide excellent service life.

### Gull-Wing Engine Side Covers

The opening area is further enlarged when gull-wing engine side covers are opened, facilitating engine maintenance and filter replacement.



# CLEAN AND SILENT DESIGN

## Low Emission

The SAA6D114E-3 engine is EPA Tier 3 and EU Stage 3A emissions certified, without sacrificing power or machine productivity.

## Quiet Design

The low-noise engine, hydraulically driven fan, and rubber-mounted power train provide a quiet operation.

## Use of Recyclable Parts

Recyclable parts are used to minimize the effects on the environment.

## Extended Service Interval

Long-life consumable parts such as filters and elements are used to lengthen their replacement interval to lower the maintenance cost.



Photo may include optional equipment.

## SPECIFICATIONS



### ENGINE

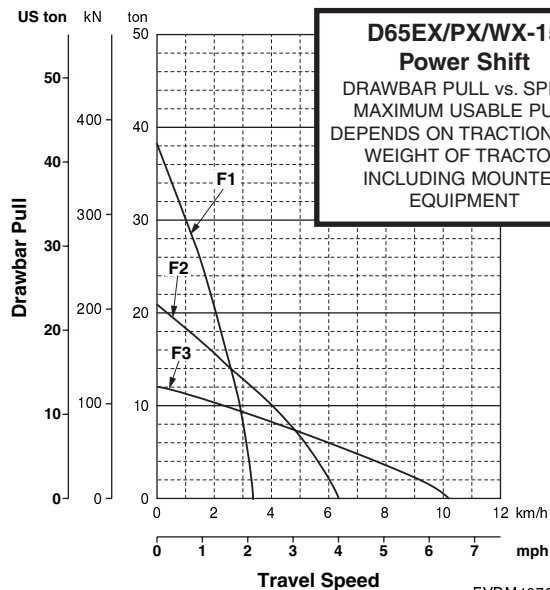
Model ..... Komatsu SAA6D114E-3  
 Type ..... 4-cycle, water-cooled, direct injection  
 Aspiration ..... Turbocharged, air-to-air aftercooled  
 Number of cylinders ..... 6  
 Bore x stroke ..... 114 mm x 135 mm **4.49" x 5.31"**  
 Piston displacement ..... 8.27 ltr **505 in<sup>3</sup>**  
 Governor ..... All-speed, electronic  
 Horsepower  
   SAE J1995 ..... Gross 155 kW **207 HP**  
   ISO 9249 / SAE J1349\* ..... Net 153 kW **205 HP**  
   Hydraulic fan at maximum speed ..... Net 142 kW **190 HP**  
 Rated rpm ..... 1950 rpm  
 Fan drive type ..... Hydraulic  
 Lubrication system  
   Method ..... Gear pump, force lubrication  
   Filter ..... Full-flow



### TORQFLOW TRANSMISSION

Komatsu TORQFLOW transmission consists of a water-cooled, 3-element, 1-stage, 1-phase, torque converter and a planetary gear, multiple-disc clutch transmission which is electrically-controlled, hydraulically-actuated and force-lubricated for optimum heat dissipation.

Travel speed	Forward	Reverse
1st	3.3 km/h <b>2.1 mph</b>	4.4 km/h <b>2.8 mph</b>
2nd	6.3 km/h <b>3.9 mph</b>	8.2 km/h <b>5.1 mph</b>
3rd	10.1 km/h <b>6.3 mph</b>	12.9 km/h <b>8.1 mph</b>



### FINAL DRIVES

Double-reduction final drive of spur and planetary gear sets to increase tractive effort and reduce gear tooth stresses for long final drive life. Segmented sprocket rims are bolt-on for easy replacement.



### 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 left to make a left turn. Hydrostatic Steering System (HSS) is powered by steering planetary units and an independent hydraulic pump and motor. Counter-rotation turns are also available. Wet, multiple-disc, pedal-controlled service brakes are spring-actuated and hydraulically released. Gear shift lock lever also applies parking brake.

Minimum turning radius	D65EX-15	1.8 m <b>5'11"</b>
	D65PX-15	2.2 m <b>7'3"</b>
	D65WX-15	2.0 m <b>6'7"</b>
	D65WX-15 PAT	2.0 m <b>6'7"</b>



### UNDERCARRIAGE

Suspension ..... Oscillating equalizer bar and pivot shaft  
 Track roller frame ..... Monocoque, large section, durable construction  
 Rollers and idlers ..... Lubricated track rollers

#### Track shoes

Lubricated tracks. Unique seals prevent entry of foreign abrasive material into pin to bushing clearances to provide extended service life. Track tension is easily adjusted with grease gun.

	D65EX-15	D65PX-15	D65WX-15	D65WX-15 PAT
Number of track rollers (each side)	7	8	7	8
Type of shoes (standard)	Single grouser	Single grouser	Single grouser	Single grouser
Number of shoes (each side)	39	45	39	42
Grouser height	mm in 65 <b>2.6"</b>	65 <b>2.6"</b>	65 <b>2.6"</b>	65 <b>2.6"</b>
Shoe width (standard)	mm in 510 <b>20"</b>	915 <b>36"</b>	810 <b>32"</b>	660 <b>26"</b>
Ground contact area	cm <sup>2</sup> 27285	60115	43335	39336
	in <sup>2</sup> <b>4,230</b>	<b>9,318</b>	<b>6,717</b>	<b>6,097</b>
Ground pressure area (tractor)	kPa 62.1	29.8	40.8	48.6
	kgf/cm <sup>2</sup> 0.63	0.30	0.42	0.50
	psi <b>9.00</b>	<b>4.32</b>	<b>5.92</b>	<b>7.05</b>
Track gauge	mm ft.in 1880 <b>6'2"</b>	2050 <b>6'9"</b>	2050 <b>6'9"</b>	2050 <b>6'9"</b>
Length of track on ground	mm ft.in 2675 <b>8'9"</b>	3285 <b>10'9"</b>	2675 <b>8'9"</b>	2980 <b>9'9"</b>



### COOLANT AND LUBRICANT CAPACITY (REFILL)

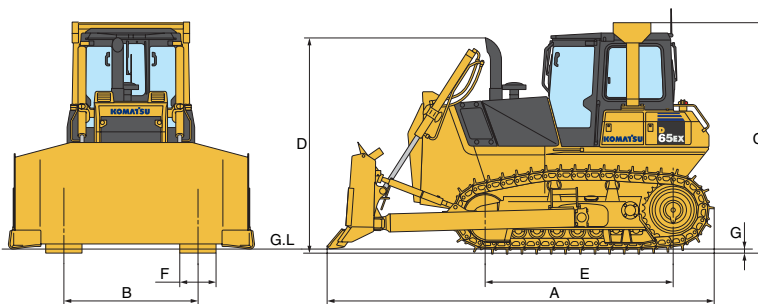
Fuel tank	415 ltr	<b>109.6 U.S. gal</b>
Coolant	37 ltr	<b>9.8 U.S. gal</b>
Engine	28 ltr	<b>7.4 U.S. gal</b>
Torque converter, transmission, bevel gear, and steering system	48 ltr	<b>12.7 U.S. gal</b>
Final drive (each side)		
D65EX-15	24 ltr	<b>6.3 U.S. gal</b>
D65PX-15	27 ltr	<b>7.1 U.S. gal</b>
D65WX-15	27 ltr	<b>7.1 U.S. gal</b>
D65WX-15 PAT	27 ltr	<b>7.1 U.S. gal</b>



### DIMENSIONS

	D65EX-15 Semi-U Tilt Dozer	D65PX-15 Straight Tilt Dozer	D65WX-15 Semi-U Tilt Dozer	D65WX-15 PAT
A	5440 mm <b>17'10"</b>	5520 mm <b>18'1"</b>	5440 mm <b>17'10"</b>	5590 mm <b>18'3"</b>
B	1880 mm <b>6'2"</b>	2050 mm <b>6'9"</b>	2050 mm <b>6'9"</b>	2050 mm <b>6'9"</b>
C	3220 mm <b>10'7"</b>	3220 mm <b>10'7"</b>	3220 mm <b>10'7"</b>	3220 mm <b>10'7"</b>
D	2990 mm <b>9'10"</b>	2990 mm <b>9'10"</b>	2990 mm <b>9'10"</b>	2990 mm <b>9'10"</b>
E	2675 mm <b>8'9"</b>	3285 mm <b>10'9"</b>	2675 mm <b>8'9"</b>	2980 mm <b>9'9"</b>
F	510 mm <b>20.1"</b>	915 mm <b>36.0"</b>	810 mm <b>31.9"</b>	660 mm <b>26"</b>
G	65 mm <b>2.6"</b>	65 mm <b>2.6"</b>	65 mm <b>2.6"</b>	65 mm <b>2.6"</b>

Ground clearance . . . . . 405 mm **1'4"**



### OPERATING WEIGHT

Tractor weight:

Including rated capacity of lubricant, hydraulic control unit, coolant, full fuel tank, operator, and standard equipment.

D65EX-15 . . . . .	17270 kg	<b>38,070 lb</b>
D65PX-15 . . . . .	18240 kg	<b>40,210 lb</b>
D65WX-15 . . . . .	18050 kg	<b>39,790 lb</b>
D65WX-15 PAT . . . . .	19500 kg	<b>42,990 lb</b>

Operating weight:

Including Semi-U tilt dozer (EX/WX) or straight tilt dozer (PX), steel cab, ROPS, operator, standard equipment, rated capacity of lubricant, hydraulic control unit, coolant, and full fuel tank.

D65EX-15 . . . . .	20280 kg	<b>44,710 lb</b>
D65PX-15 . . . . .	21000 kg	<b>46,300 lb</b>
D65WX-15 . . . . .	20940 kg	<b>46,170 lb</b>
D65WX-15 PAT . . . . .	21460 kg	<b>47,310 lb</b>



### HYDRAULIC SYSTEM

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

Hydraulic control units:

All spool valves externally mounted beside the hydraulic tank.

Plunger type hydraulic pump with capacity (discharge flow) of 210 ltr/min **55.5 U.S. gal/min** at rated engine rpm.

Relief valve setting . . . . . 20.6 MPa 210 kg/cm<sup>2</sup> **2,990 psi**

Control valves:

Spool control valves for tilt dozer

Positions: Blade lift . . . . . Raise, hold, lower, and float  
Blade tilt . . . . . Right, hold, and left

Additional control valve required for multi-shank ripper (EX)

Positions: Ripper lift . . . . . Raise, hold, and lower

Hydraulic cylinders . . . . . Double-acting, piston

	Number of cylinders	Bore
Blade lift	2	95 mm <b>3.7"</b>
Blade tilt	1	140 mm <b>5.5"</b>
Ripper lift	1	140 mm <b>5.5"</b>

Hydraulic oil capacity (refill):

Straight tilt dozer . . . . .	55 ltr	<b>14.5 U.S. gal</b>
Semi-U tilt dozer . . . . .	55 ltr	<b>14.5 U.S. gal</b>
Ripper equipment (additional volume):		
Multi-shank ripper . . . . .	7 ltr	<b>1.8 U.S. gal</b>



### DOZER EQUIPMENT

Blade capacities are based on the SAE recommended practice J1265.

Use of high tensile strength steel in moldboard for strengthened blade construction.

	Overall Length With Dozer mm ft.in	Blade Capacity m <sup>3</sup> yd <sup>3</sup>	Blade Width x Height mm ft.in	Max. Lift Above Ground mm ft.in	Max. Drop Below Ground mm ft.in	Max. Tilt Adjustment mm ft.in	Weight		Ground Pressure (at operating weight) kPa kg/cm <sup>2</sup> psi
							Dozer equipment kg lb	Hydraulic control unit kg lb	
<b>D65EX-15</b> Semi-U Tilt Dozer	5440 <b>17'10"</b>	5.61 <b>7.34</b>	3460 x 1425 <b>11'4" x 4'8"</b>	1105 <b>3'8"</b>	440 <b>1'5"</b>	855 <b>2'10"</b>	2280 <b>5,030</b>	720 <b>1,590</b>	72.9/0.74/ <b>10.57</b>
<b>D65EX-15</b> Straight Tilt Dozer	5210 <b>17'1"</b>	3.89 <b>5.09</b>	3415 x 1225 <b>11'2" x 4'0"</b>	1105 <b>3'8"</b>	440 <b>1'5"</b>	870 <b>2'10"</b>	2000 <b>4,410</b>	720 <b>1,590</b>	71.9/0.73/ <b>10.43</b>
<b>D65EX-15</b> Angle Dozer	5470 <b>17'11"</b>	3.55 <b>4.64</b>	3970 x 1100 <b>13'0" x 3'7"</b>	1185 <b>3'11"</b>	450 <b>1'6"</b>	400 <b>1'4"</b>	2280 <b>5,030</b>	650 <b>1,430</b>	72.6/0.74/ <b>10.53</b>
<b>D65PX-15</b> Straight Tilt Dozer	5520 <b>18'1"</b>	3.69 <b>4.83</b>	3970 x 1100 <b>13'0" x 3'7"</b>	1105 <b>3'8"</b>	540 <b>1'9"</b>	450 <b>1'6"</b>	2030 <b>4,480</b>	710 <b>1,570</b>	34.3/0.35/ <b>4.97</b>
<b>D65WX-15</b> Semi-U Tilt Dozer	5440 <b>17'10"</b>	6.23 <b>8.15</b>	3640 x 1410 <b>11'11" x 4'8"</b>	1105 <b>3'8"</b>	440 <b>1'5"</b>	820 <b>2'8"</b>	2360 <b>5,200</b>	720 <b>1,590</b>	47.4/0.48/ <b>6.87</b>
<b>D65WX-15</b> PAT	5590 <b>18'3"</b>	4.40 <b>5.75</b>	3800 x 1210 <b>12'6" x 4'0"</b>	1170 <b>3'10"</b>	810 <b>2'8"</b>	460 <b>1'6"</b>	2750 <b>6,050</b>	N/A	53.5/0.55/ <b>7.76</b>



## STANDARD EQUIPMENT FOR BASE MACHINE

- Air cleaner, double element with dust indicator
- Engine intake precleaner
- Alternator, 60 ampere
- Back-up alarm
- Cup holder
- Batteries, 200 Ah/2 x 12V
- Hydraulic-driven reversible cooling fan
- Decelerator pedal
- Electronic instrument monitor panel
- Engine hood
- Fenders
- Muffler with curved exhaust pipe
- Engine side covers, gull-wing
- Front pull hook
- High mount foot rests
- KOMTRAX II
- Locks, filler caps and covers
- Lunch box holder
- Pressure test ports for power train
- Radiator reserve tank
- Radiator guard door, hinged
- Rear cover
- Rear view mirror
- Starting motor, 11.0 kW/24V
- Steering system:
  - HSS (Hydrostatic Steering System)
- Seat, adjustable, suspension high back, vinyl
- Seat belt, 76 mm 3", retractable
- Sealed electrical connectors
- Track roller guard, center and end section (PX)
- Track roller guard, end sections (EX, WX)
- Track shoe assembly
  - Heavy-Duty sealed and lubricated track
    - 510 mm 20" single grouser shoe (EX)
    - 810 mm 32" single grouser shoe (WX)
    - 915 mm 36" single grouser shoe (PX)
- Underguards:
  - oil pan and transmission heavy-duty
- Water separator

ROPS must be ordered; not included in base machine price.

Dozer assembly and rear-mounted equipment are not included in base machine price.



## OPTIONAL EQUIPMENT

- Air-conditioner intake precleaner
- Air conditioner
- AR track assembly (abrasion resistant bushings)
- Cab
  - Cab accessories
  - Sun visor
  - 12V power supply
- AM-FM radio with cassette
- Hitch type drawbar
- Heater and defroster
- Hydraulics for ripper (EX, WX)
- Light working, cab additional
- Rear counterweight
- Suspension seat, reclining with fabric material (cab only)
- Track roller guard, full length
- Vandalism protection cover for instrument panel

### ROPS CANOPY\*

Additional weight 390 kg **860 lb**

Roof dimensions:

- Length: 1830 mm **6'0"**
- Width: 1824 mm **6'0"**
- Height from operator compartment floor: 1660 mm **5'5"**

Additional ground pressure

- D65EX 1.4 kPa/0.014 kg/cm<sup>2</sup>/**0.20 psi**
- D65WX 0.9 kPa/0.009 kg/cm<sup>2</sup>/**0.13 psi**
- D65PX 0.6 kPa/0.006 kg/cm<sup>2</sup>/**0.09 psi**

### ROPS FOR CAB\*

Additional weight 240 kg **530 lb**

Roof dimensions:

- Length: 480 mm **1'7"**
- Width: 1570 mm **5'2"**

Additional ground pressure

- D65EX 0.9 kPa/0.009 kg/cm<sup>2</sup>/**0.13 psi**
- D65WX 0.5 kPa/0.006 kg/cm<sup>2</sup>/**0.08 psi**
- D65PX 0.4 kPa/0.004 kg/cm<sup>2</sup>/**0.06 psi**

\* Cab and canopy FOPS Level 2.

ROPS/FOPS meets all OSHA/MSHA standards and regulations criteria.

### CAB\*

Additional weight 410 kg **910 lb**

All-weather, enclosed pressurized cab

Dimensions:

- Length: 1765 mm **5'9"**
- Width: 1323 mm **4'4"**
- Height: 1625 mm **5'4"**
- Height from floor to ceiling: 1515 mm **5'0"**

Additional ground pressure

- D65EX 1.5 kPa/0.015 kg/cm<sup>2</sup>/**0.21 psi**
- D65WX 0.9 kPa/0.009 kg/cm<sup>2</sup>/**0.13 psi**
- D65PX 0.7 kPa/0.007 kg/cm<sup>2</sup>/**0.10 psi**

### MULTI-SHANK RIPPER (for D65EX/WX)

Additional weight (including hydraulic control unit): 1680 kg **3,700 lb**

Beam length: 2170 mm **7'1"**

Maximum digging depth: 595 mm **1'11"**

Maximum lift above ground: 640 mm **2'1"**

Additional ground pressure

- D65EX 6.0 kPa/0.062 kg/cm<sup>2</sup>/**0.88 psi**
- D65WX 3.8 kPa/0.039 kg/cm<sup>2</sup>/**0.55 psi**

### SHOES

Models	Shoe	Additional weight	Ground contact area	Additional ground pressure to tractor
D65EX	560 mm <b>22.0"</b> single-grouser shoe	+120 kg <b>+260 lb</b>	29960 cm <sup>2</sup> <b>4,644 in<sup>2</sup></b>	-5.1 kPa -0.05 kg/cm <sup>2</sup> <b>-0.75 psi</b>
	610 mm <b>24.0"</b> single-grouser shoe	+230 kg <b>+510 lb</b>	32635 cm <sup>2</sup> <b>5,058 in<sup>2</sup></b>	-9.5 kPa -0.10 kg/cm <sup>2</sup> <b>-1.38 psi</b>
	660 mm <b>26.0"</b> single-grouser shoe	+360 kg <b>+790 lb</b>	35310 cm <sup>2</sup> <b>5,473 in<sup>2</sup></b>	-13.1 kPa -0.13 kg/cm <sup>2</sup> <b>-1.90 psi</b>
D65PX	950 mm <b>37.4"</b> circular-arc shoe	+50 kg <b>+110 lb</b>	62420 cm <sup>2</sup> <b>9,675 in<sup>2</sup></b>	-1.0 kPa -0.01 kg/cm <sup>2</sup> <b>-0.15 psi</b>

All shoe dimensions and weights shown using moderate service shoes. Extreme service shoes are available for all models except D65PX.

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