KOMATSU

D65EX-16
D65PX-16
D65WX-16

Crawler dozer

Photos of the equipment may include optional equipment.

Horsepower
Gross: 155 kW (207 hp) @ 1,950 rpm
Net: 153 kW (205 hp) @ 1,950 rpm

Operating weight
D65EX-16: 19,510 kg (43,010 lb)
D65PX-16: 20,990 kg (46,270 lb)
D65WX-16: 20,360 kg (44,880 lb)

Blade capacity Sigmadozer:
D65EX-16: 5.61 m^3 (7.34 yd^3)
D65WX-16: 5.90 m^3 (7.72 yd^3)

Straight tilt dozer:
D65EX-16: 3.89 m^3 (5.09 yd^3)
D65PX-16: 3.69 m^3 (4.83 yd^3)

Power angle and tilt dozer:
D65EX-16: 4.25 m^3 (5.56 yd^3)
D65PX-16: 4.42 m^3 (5.78 yd^3)
D65 WX-16: 4.42 m^3 (5.78 yd^3)

Walk-around

Photo may include optional equipment.

Horsepower
Gross: 155 kW 207 hp @ 1,950 rpm
Net: 153 kW 205 hp @ 1,950 rpm

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Outstanding productivity & fuel economy
- Innovative SIGMADOZER reduces digging resistance and smoothly rolls material up for increased blade loads.
- Blade capacity.

5.6 m³ (7.3 yd³) (for EX).
5.9 m³ (7.7 yd³) (for WX).
See page 4.
- Automatic transmission with lockup torque converter improves fuel consumption.

See page 5.

SAA6D114E turbocharged after-cooled diesel engine
- Provides an output of 155 kW 207 hp with excellent fuel economy. This engine is U.S. EPA Tier 3 and EU stage 3A emissions certified.

See page 6.

Hydraulic drive radiator cooling fan
- Controlled automatically, reduces fuel consumption and operating noise levels.

See page 6.

Gull-wing engine side covers
- For easy and efficient engine servicing.

See page 9.

Blade tilt lines
- Completely protected.

Parallel link undercarriage system (PLUS)
- Provides longer wear life and lower repair & maintenance costs with new rotating bushings and other key enhancements.

See page 9.

Power angle tilt (PAT) dozer
- Expands productivity in a variety of applications. The manually adjustable blade pitch further expands versatility and productivity.

See page 8.

Complete operator control with palm command control system (PCCS)
- Electronic controlled PCCS travel control.
- Hydraulic controlled PCCS blade/ripper control.
- Fuel control dial.
- Automatic/manual gearshift selectable mode.
- Gearshift pattern preset function.
- ECMV controlled transmission.

See page 7.

Increased-track length for EX/WX
- Ensures outstanding grading ability and stability.

Extra-low machine profile
- Provides excellent machine balance and low center of gravity.

New integrated ROPS cab includes:
- Large quiet operator environment.
- Comfortable ride with new cab damper.
- Excellent visibility without ROPS post.
- Automatic high capacity air conditioning.
- Pressurized cab.
- Adjustable armrest and suspension seat.

See page 8.

Hydrostatic steering system (HSS)
- Provides smooth, quick, and powerful control in various ground conditions.

See page 7.

Large liquid crystal display (LCD) monitor
- Easy-to-read and use 7" large multi-colormonitor.
- Choice of 10 languages for global support.

See page 8.

Automatic adjusted idler support
- Provides long life of wear plate without gap and vibration.

See page 9.

High-rigidity, simple hull frame
- And monocoque track frame with pivot shaft for greater reliability.

See page 9.

Modular power train
- For increased serviceability and durability. Forward mounted pivot shafts isolate final drives from blade loads.

See page 9.

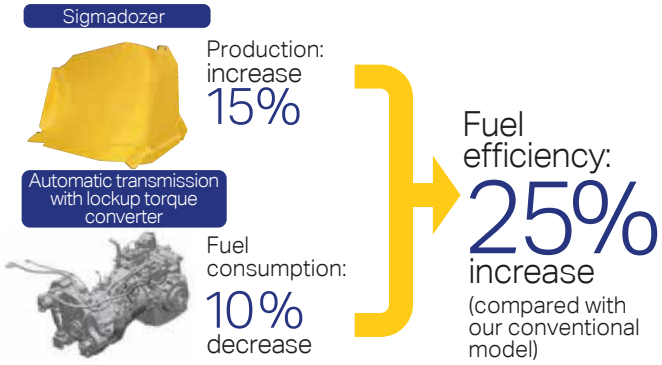
Wet, multiple-disc brakes
- Adjustment free for excellent service life.

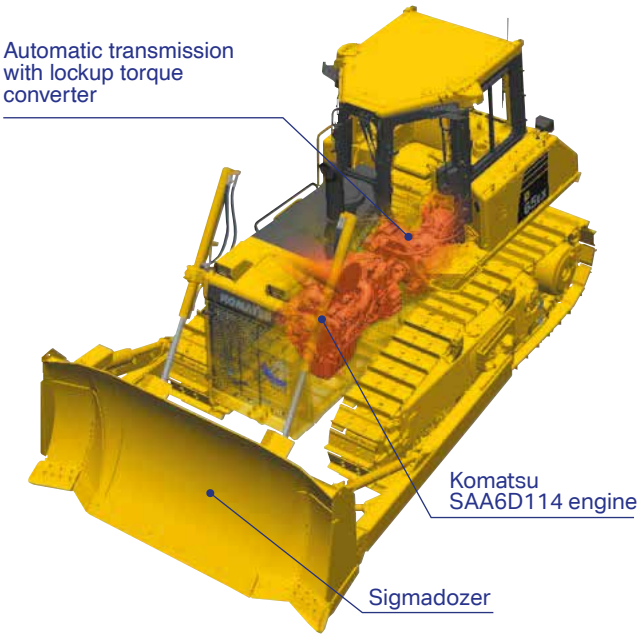
See page 9.

Productivity & fuel economy features

New fuel efficient bulldozer

The new D65 has achieved both high levels of productivity and fuel economy through the usage of Sigmadozer and automatic transmission with lockup torque converter. Sigmadozer developed based on completely new digging theory dramatically increases production. New transmission with high power transmission efficiency greatly reduces fuel consumption. This bulldozer significantly improves fuel efficiency compared with our conventional model.





Outstanding productivity

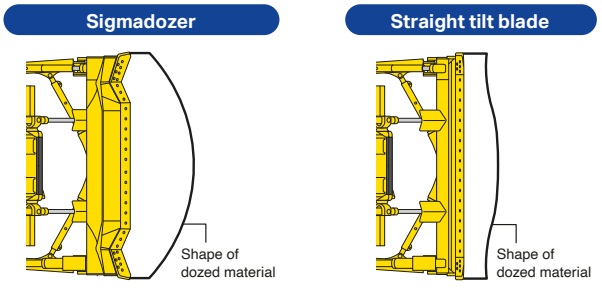
Sigmadozer - The next generation blade

Based on a completely new digging theory, SIGMADOZER dramatically improves dozing performance and increases productivity. A new frontal design concept adopted for digging and rolling up at the center of the blade increases soil holding capacity while simultaneously reducing sideway spillage. It also reduces digging resistance producing a smoother flow of earth, enabling the dozing of larger quantities of soil with less power.

Production increased by **15%**
(compared with our conventional model)

Sigmadozer
(D65-16)

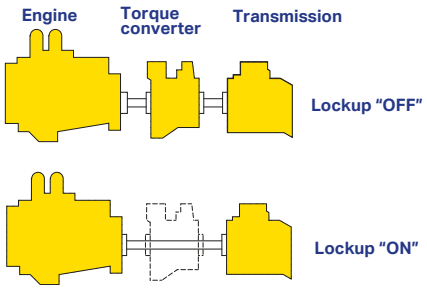
Straight tilt blade
(D65-15E0)



Outstanding fuel economy

Automatic transmission with lockup torque converter

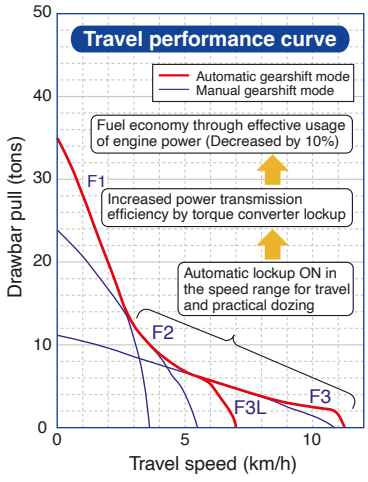
A sharp reduction in fuel consumption and greater power train efficiency is achieved by the new automatic gearshift transmission and lockup torque converter. The automatic transmission selects the optimal gear range depending on the working conditions and load placed on the machine. This means the machine is always operating at maximum efficiency.



Fuel consumption decreased by 10%

(compared with our conventional model)

Lockup mechanism of the torque converter is automatically actuated to transfer engine power directly o the transmission in travelling and usual dozing speed ranges. Locking up the torque converter eliminates loss of power by 10%. Because the electronically controlled engine is extremely efficient, a decrease in fuel consumption is realized while also maintaining machine. Fuel economy through effective usage of engine power (decreased by 10%) power.



Automatic/manual gearshift selectable mode

Automatic or manual gearshift modes can be selected with ease to suit the work at hand by simply pressing the switch on the multi-monitor (selection at neutral).

Automatic gearshift mode

Select for all general dozing. When a load is applied, the transmission automatically shifts down, and when the load is off, it automatically shifts up to a set maximum gear speed. This mode economizes both fuel and production further where the torque converter lockup mechanism is actuated according to load, providing a one to one drive.

Manual gearshift mode

Select for dozing and ripping rough ground. When loaded, the transmission automatically shifts down, but does not shift up when the load is off.

Automatic gearshift mode screen

Manual gearshift mode screen

Selectable working mode

Working mode P is the mode aiming for powerful operation and maximum production and mode E for general dozing applications with adequate speed and power while saving energy. For CO_2 reduction and energy saving, the monitor panel allows for switching the working mode with ease, depending on the work at hand.

P mode (Power mode)

With P mode, the engine outputs its full power, allowing the machine to perform the work requiring large production, heavy-load work, and uphill work.

E mode (Economy mode)

With E mode, the engine outputs enough power for the work without delivering unnecessary power. This mode allows for energy saving operation and is suitable for the work on a ground where the machine may cause shoe slip and the work not requiring large power such as downhill dozing, leveling and light-load work.

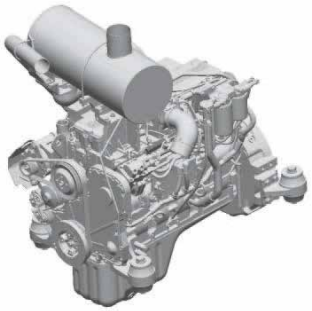
Ecology features

Komatsu develops and produces all major components, such as engines, electronics and hydraulic components in house.
Since all components can be matched, efficiencies are increased achieving high levels of productivity and ecology. With this "Komatsu Technology", and adding customer feedback, Komatsu is achieving great advancements in technology.
The result is a new generation of high performance and environment friendly machines.

Engine

Fuel efficient electronic controlled engine

The Komatsu SAA6D114E engine delivers 155 kW 207 hp at 1,950 rpm The fuel-efficient, powerful Komatsu engine makes the D65 superior in both ripping and dozing operations. The engine is U.S. EPA Tier 3 and EU stage 3A emissions certified. The engine is turbocharged and features direct fuel injection and air-to-air aftercooling to maximize power, fuel efficiency and emission compliance. To minimize noise and vibration, the engine is mounted to the main frame with rubber cushions.



Hydraulic drive radiator cooling fan

The engine cooling fan rotation speed is electronically controlled. The fan rotation speed depends on engine coolant and hydraulic oil temperatures, the higher the temperature the higher the fan speed. This system increases fuel efficiency, reduces the operating noise levels and requires less horsepower than belt driven fan.

Control features

Human-machine interface PCCS

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

Palm command electronic controlled travel 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.

Gearshift pattern preset function

When the gearshift pattern is set to either <F1-R2>, <F2-R1>, <F2-R2>, <F2-R3L> or <F3L-R3L> in the automatic gearshift mode, the gear automatically shifts to the preset gear when the travel control joystick is set to Forward or Reverse position, reducing round trip repetition work time and operator's efforts. Gearshift pattern <F2-R3L> and <F3L-R3L> are newly added for high speed leveling operation.

Automatic gearshift mode

F1-R1 Mode
Press DOWN switch / Press UP switch
F1-R2 Mode
Press DOWN switch / Press UP switch
F2-R1 Mode
Press DOWN switch / Press UP switch
F2-R2 Mode
Press DOWN switch / Press UP switch
F2-R3L Mode
Press DOWN switch / Press UP switch
F3L-R3L Mode

Manual gearshift mode

F1-R1 Mode
Press DOWN switch / Press UP switch
F1-R2 Mode
Press DOWN switch / Press UP switch
F2-R1 Mode
Press DOWN switch / Press UP switch
F2-R2 Mode
Press DOWN switch / Press UP switch
F2-R3 Mode

Palm command hydraulic controlled blade/ripper joystick

Hydraulically-controlled palm command joystick is equipped for blade/ ripper control. Combined with the highly reliable Komatsu hydraulic system, superb control is the result.

Electronic controlled modulation valve controlled transmission

A controller automatically adjusts each clutch engagement depending on travel conditions, providing smooth shockless clutch engagement, improved component life and operator ride comfort.

Hydrostatic steering system-smooth, powerful turning

The engine power is transmitted to both tracks without power interruption on the inside track for smooth, powerful turns. Counter-rotation is available for minimum turning radius enhancing maneuverability.

Working environment

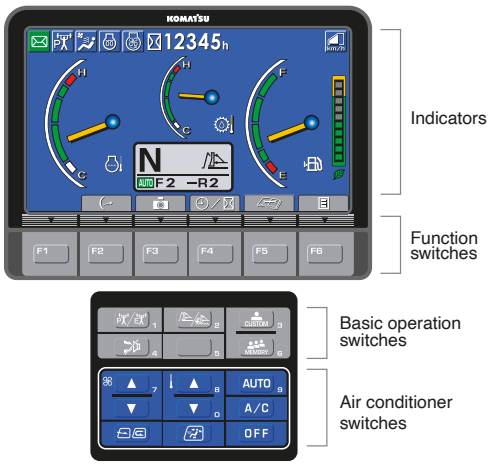
New integrated ROPS cab

A newly designed cab is integrated with ROPS according to the latest computer analysis. High rigidity and superb sealing performance sharply reduce noise and vibration for the operator and prevent dust from entering the cab. Relaxed operation in comfortable environment. In addition, side visibility is increased because external ROPS structure and posts are not required. Outstanding visibility has been achieved.

Large multi-lingual LCD color monitor

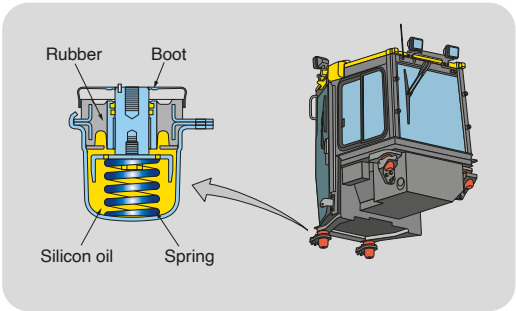
A large user-friendly color monitor enables safe, accurate and smooth work. Excellent screen visibility is achieved by use of LCD that can easily be read at various angles and lighting conditions. Simple and easy to operate switches. Plus function keys facilitate multi-function operations.

»Display data in 10 languages to globally support operators around the world.



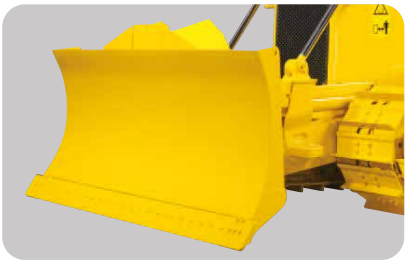
Comfortable ride with cab damper mounting

The D65's cab mount uses a cab damper which provides excellent shock and vibration absorption capacity. The long stroke cab damper mounts soften shocks and vibration while traveling over adverse conditions, which conventional rubber 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.



Power angle power tilt dozer (Optional)

A power angle and power tilt dozer blade with highly durable box-structure frame is optionally available. This dozer is available for the EX, WX and PX machines. The hydraulic blade tilt and angling function expands versatility and productivity in a variety of applications. The manually adjustable blade pitch further expands the versatility and productivity.



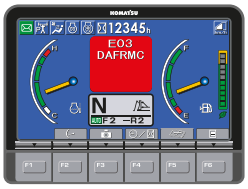
Maintenance features

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.

Multi-monitor with troubleshooting function to prevent critical machine troubles

Various meters, gauges and warning functions are centrally arranged on the multi-monitor. The monitor simplifies start- up inspection and promptly warns the operator with a lamp and buzzer if any abnormalities should occur. In addition, countermeasures are indicated in 4 levels to ensure safety and prevent the machine from major problems. Replacement times for oil and filters are also indicated.



Oil pressure check ports

Pressure check ports for power train components are centralized to promote quick and simple diagnosis.

Gull-wing engine side covers

The engine side covers are gull-wing type with a gas spring, and the opening angle of the cover is further increased to facilitate engine maintenance and filter replacement.

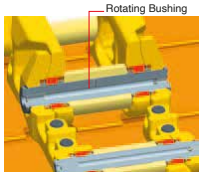
Easy radiator cleaning with hydraulic drive fan

The radiator can be cleaned by utilization of the reversible, hydraulically driven cooling fan. The fan can be reversed from inside the cab by simply activating a switch.

Low maintenance costs

Parallel link undercarriage system (PLUS) (optional)

Komatsu's innovative PLUS features a rotary bushing that demonstrates high durability in any working conditions. Allowing the bushing to rotate virtually eliminates bushing wear, resulting in doubled service life of the undercarriage when compared with the conventional undercarriage. In addition, wear limits of the link and carrier roller are increased to balance with the extended service life of the bushing.



Self-adjusting idler support

Self-adjusting idler support applies a constant spring force to the wear plate of the idler guide to eliminate the play of the idler. This results in reduced noise and vibration as well as extends the service life of the wear plate.

Reliable simple hull frame

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.

Sealed connectors

Main harnesses and controller connectors are equipped with sealed connectors providing high reliability, as well as water and dust resistance.

Flat face O-ring seals

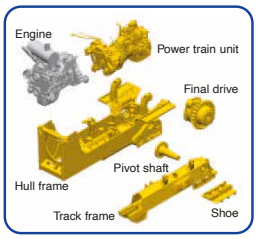
Flat face O-ring seals are used to securely seal all hydraulic hose connections preventing leakage.

Enclosed hydraulic piping

Hydraulic piping for the blade tilt cylinder is completely housed in the push arm, protecting it from damage.

Modular power train design

Power train components are sealed in a modular design that allows the components to be removed and installed without oil spillage, making servicing work clean, smooth and easy.



Adjustment-free disc brakes

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

Specificacions

Engine

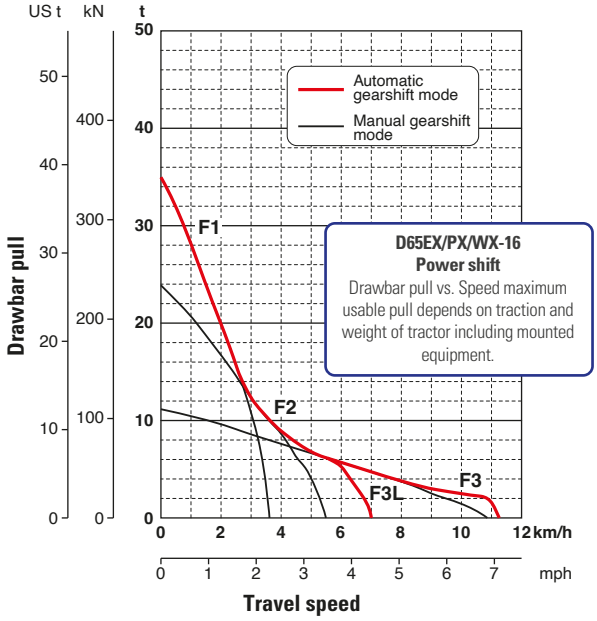
Model	Komatsu SAA6D114E-3.
Type	4-cycle, water-cooled, direct injection.
Aspiration	Turbocharged, air-to-air aftercooled.
Number of cilinders	6.
Bore x stroke	114 mm x 135 mm 4.49" x 5.31".
Piston displacement	8.27 L 505 in^3.
Governor	All-speed and mid-range, electronic.
Horsepower	
SAE J1995	Gross 155 kW 207 hp.
(ISO 14396	Maximum gross 163.7 kW 219 hp).
ISO 9249/SAE J1349*	Net 153 kW 205 hp.
Rated rpm	1,950 rpm.
Fan drive type	Hydraulic.
Lubrication system	
Method	Gear pump, force lubrication.
Filter	Full-flow.

U.S. EPA Tier 3 and EU Stage 3A emissions certified (equivalent).

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 hydraulically actuated and force-lubricated for optimum heat dissipation. Gearshift lock lever and neutral safety switch prevent machine from accidental starts.

Travel speed	Forward		Reverse	
1st	3.6 km/h	2.2 mph	4.4 km/h	2.7 mph
2nd	5.5 km/h	3.4 mph	6.6 km/h	4.1 mph
3rdL	7.2 km/h	4.5 mph	8.6 km/h	5.3 mph
3rd	11.2 km/h	7.0 mph	13.4 km/h	8.3 mph



Steering 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. Tilt it to the right for a right turn.
HSS is powered by steering planetary units and a 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-16	**1.9 m** 6'3".
	D65EX-16 con PAT	**2.0 m** 6'7".
	D65PX-16	**2.2 m** 7'3".
	D65WX-16	**2.1 m** 6'11".

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-16	D65PX-16	D65WX-16
Type of dozer		Sigmadozer	Straight tilt dozer	Sigmadozer
Number of track rollers (each side)		7	8	7
Type of shoes (standard)		Single grouser	Single grouser	Single grouser
Number of shoes (each side)		42	45	42
Grouser height	mm in	**65** 2.6"	**65** 2.6"	**65** 2.6"
Shoe width (standard)	mm in	**510** 20"	**915** 36"	**760** 30"
Ground contact area	cm^2	**30,395 (30,295)**	**60,115 (59,935)**	**45,295 (45,145)**
	in^2	4,711 (4,696)	9,318 (9,290)	7,021 (6,997)
Ground pressure (tractor)	kPa	**55.2 (56.4)**	**30.8 (31.4)**	**38.6 (39.4)**
	kgf/cm^2	0.56 (0.58)	0.31 (0.32)	0.39 (0.40)
	psi	8.01 (8.18)	4.47 (4.56)	5.61 (5.73)
Track gauge	mm ft in	**1,880** 6'2"	**2,050** 6'9"	**2,050** 6'9"
Length of track on ground	mm	**2,980 (2,970)**	**3,285 (3,275)**	**2,980 (2,970)**
	ft in	9'9" (9'9")	10'9" (10'9")	9'9" (9'9")

For PAT Dozer

		D65EX-16	D65PX-16	D65WX-16
Type of dozer		Power angle Power tilt dozer	Power angle Power tilt dozer	Power angle Power tilt dozer
Number of track rollers (each side)		7	8	7
Type of shoes (standard)		Single grouser	Single grouser	Single grouser
Number of shoes (each side)		42	45	42
Grouser height	mm in	**65** 2.6"	**65** 2.6"	**65** 2.6"
Shoe width (standard)	mm in	**560** 22"	**760** 30"	**760** 30"
Ground contact area	cm^2	**33,375 (33,265)**	**49,930 (49,780)**	**45,295 (45,145)**
	in^2	5,173 (5,156)	7,739 (7,716)	7,021 (6,997)
Ground pressure (tractor)	kPa	**52.9 (54.0)**	**37.0 (37.8)**	**40.9 (41.7)**
	kgf/cm^2	0.54 (0.55)	0.38 (0.39)	0.42 (0.43)
	psi	7.68 (7.84)	5.38 (5.49)	5.94 (6.05)
Track gauge	mm ft in	**2,050** 6'9"	**2,230** 7'4"	**2,230** 7'4"
Length of track on ground	mm	**2,980 (2,970)**	**3,285 (3,275)**	**2,980 (2,970)**
	ft in	9'9" (9'9")	10'9" (10'9")	9'9" (9'9")

( ) ... PLUS spec.

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 teeth are bolt-on for easy replacement.

Coolant and lubricant capacity (refill)

Fuel tank	415 L 109.6 US gal.
Coolant	36 L 9.5 US gal.
Engine	28 L 7.4 US gal.
Torque converter, transmission, bevel gear, and steering system	48 L 12.7 US gal.
Final drive (eachside)	
D65EX-16	24 L 6.3 US gal.
D65EX-16 with PAT, D65PX-16, D65WX-16	27 L 7.1 US gal.

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 248 L/min 65.5 U.S. gal/min at rated engine rpm.

Relief valve setting	27.9 MPa 285 kg /cm^2 4,050 psi.
Control valves:	
Spool control valves for Sigmadozer or straight tilt dozer.	
Positions: blade lift	Raise, hold, lower, and float.
Blade tilt	Right, hold, and left.
Spool control valves for power angle power tilt dozer.	
Positions: blade lift	Raise, hold, lower, and float.
Blade tilt	Right, hold, and left.
Blade angle	Right, hold, and left.
Additional control valve required for multi-shank ripper (EX, WX).	
Positions: ripper lift	Raise, hold, and lower.

Hydraulic cylinders Double-acting, piston.

	Number of cylinders	Bore	
		Sigmadozer Straight tilt dozer	Power angle Power tilt dozer
Blade lift	2	**85 mm** 3.3"	**90 mm** 3.5"
Blade tilt	1	**125 mm** 4.9"	**130 mm** 5.1"
Blade angle	2	—	**110 mm** 4.3"
Ripper lift	1	**125 mm** 4.9"	**125 mm** 4.9"

Hydraulic oil capacity (refill):	55 L 14.5 US gal.
Ripper equipment (additional volume):	7 L 1.8 US gal.
Multi-shank ripper	

Dozer equipment

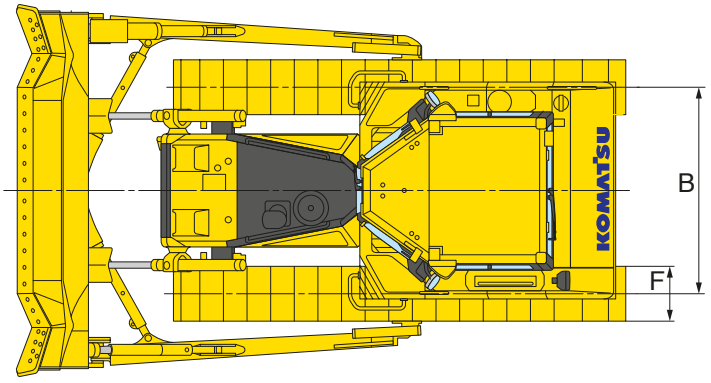
	Overall length with dozer mm ft in	Blade capacity m^3 yd^3	Blade width x height mm ft in	Max. lift above ground mm ft in	Max. drop below ground mm ft in	Max. tilt adjustment mm ft in	Weight Dozer equipment kg lb	Ground pressure* kPa kg/cm^2 psi
D65EX-16 Sigmadozer	**5,490** 18'0"	**5.61** 7.34	**3,410 x 1,425** 11'2" x 4'8"	**1,130 (1,135)** 3'8" (3'9")	**505 (500)** 1'8" (1'8")	**870** 2'10"	**2,390** 5,270	**62.9** / 0.64 / 9.13 (**64.1** / 0.65 / 9.31)
D65EX-16 Semi-U tilt dozer	**5,510** 18'1	**5.61** "7.34	**3,460 x 1,425** 11'4" x 4'8"	**1,110 (1,115)** 3'8" (3'8")	**440 (435)** 1'5" (1'5")	**855** 2'10"	**2,320** 5,115	**62.9** / 0.64 / 9.13 (**64.1** / 0.65 / 9.31)
D65EX-16 Straight tilt dozer	**5,330** 17'6"	**3.89** 5.09	**3,415 x 1.225** 11'2" x 4'0"	**1,100 (1,105)** 3'7" (3'8")	**435 (430)** 1'5" (1'5")	**870** 2'10"	**2,060** 4,540	**61.8** / 0.63 / 8.98 **63.0** / 0.64 / 9.15)
D65EX-16 Power angle Power tilt dozer	**5,790** 19'0"	**4.25** 5.56	**3,870 x 1,235** 12'8" x 4'1"	**1,165 (1,170)** 3'10" (3'10")	**700 (695)** 2'4" (2'3")	**500** 1'8"	**2,960** 6,530	**61.6** / 0.63 / 8.95 (**62.8** / 0.64 / 9.11)
D65EX-16 Angle dozer	**5,540** 18'2"	**3.55** 4.64	**3,970 x 1,100** 13'0" x 3'7"	**1,175 (1,180)** 3'10" (3'10")	**445 (440)** 1'6" (1'5")	**400** 1'4"	**2,200** 4,850	**62.3** / 0.64 / 9.04 (**63.5** / 0.65 / 9.22)
D65PX-16 Straight tilt dozer	**5,680** 18'8"	**3.69** 4.83	**3,970 x 1,100** 13'0" x 3'7"	**1,125 (1,130)** 3'8" (3'8")	**540 (535)** 1'9" (1'9")	**890** 2'11"	**2,100** 4,630	**34.2** / 0.35 / 4.97 (**34.8** / 0.36 / 5.06)
D65PX-16 Power angle Power tilt dozer	**5,790** 19'0"	**4.42** 5.78	**4,010 x 1,235** 13'2" x 4'1"	**1,165 (1,170)** 3'10" (3'10")	**700 (695)** 2'4" (2'3")	**520** 1'8"	**2,990** 6,590	**42.9** / 0.44 / 6.23 (**43.7** / 0.45 / 6.34)
D65WX-16 Sigmadozer	**5,500** 18'1"	**5.90** 7.72	**3,580 x 1,425** 11'9" x 4'8"	**1,130 (1,135)** 3'8" (3'9")	**505 (500)** 1'8" (1'8")	**770** 2'6"	**2,500** 5,510	**44.1** / 0.45 / 6.39 (**44.9** / 0.46 / 6.51)
D65WX-16 Power angle Power tilt dozer	**5,790** 19'0"	**4.42** 5.78	**4,010 x 1,235** 13'2" x 4'1"	**1,165 (1,170)** 3'10" (3'10")	**700 (695)** 2'4" (2'3")	**520** 1'8"	**2,990** 6,590	**47.4** / 0.48 / 6.87 (**48.2** / 0.49 / 7.00)

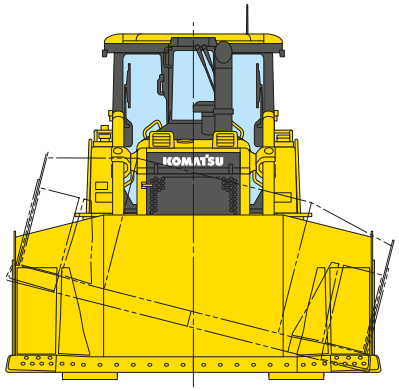
*Ground pressure shows tractor, cab, ROPS, operator, giant ripper, standard equipment, and applicable blade.
( ) ... PLUS spec.

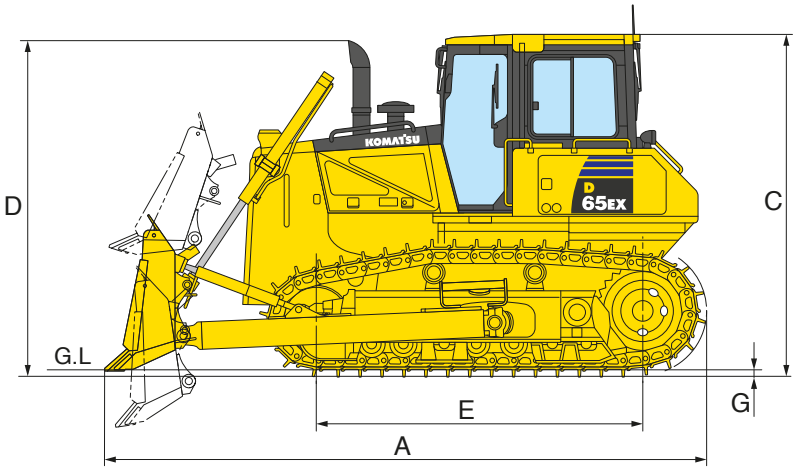
Dimensions

	D65EX-16 Sigmadozer	D65PX-16 Hoja recta inclinable	D65WX-16 Sigmadozer
A	**5,490 mm** 18'0"	**5,680 mm** 18'8"	**5,500 mm** 18'1"
B	**1,880 mm** 6'2"	**2,050 mm** 6'9"	**2,050 mm** 6'9"
C	**3,155 mm** 10'4" (**3,160 mm** 10'4")	**3,155 mm** 10'4" (**3,160 mm** 10'4")	**3,155 mm** 10'4" (**3,160 mm** 10'4")
D	**3,080 mm** 10'1" (**3,085 mm** 10'1")	**3,080 mm** 10'1" (**3,085 mm** 10'1")	**3,080 mm** 10'1" (**3,085 mm** 10'1")
E	**2,980 mm** 9'9" (**2,970 mm** 9'9")	**3,285 mm** 10'9" (**3,275 mm** 10'9")	**2,980 mm** 9'9" (**2,970 mm** 9'9")
F	**510 mm** 20"	**915 mm** 36"	**760 mm** 30"
G	**65 mm** 2.6"	**65 mm** 2.6"	**65 mm** 2.6"

Ground clearance **410 mm** 1'4" (**415 mm** 1'4")
( ) ... PLUS spec.







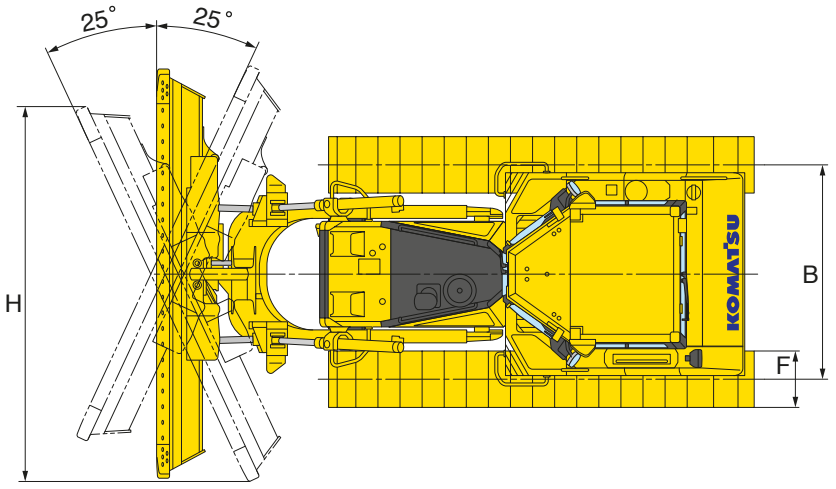
Dimension with Sigmadozer (D65EX-16) single grouser shoe.

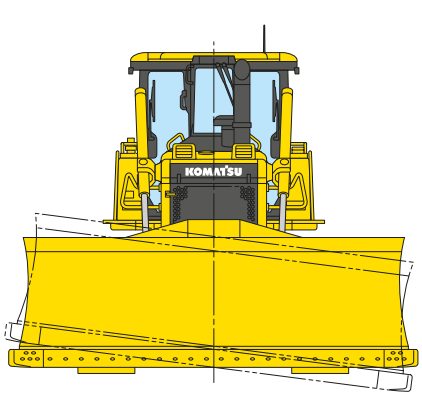
Dimensions

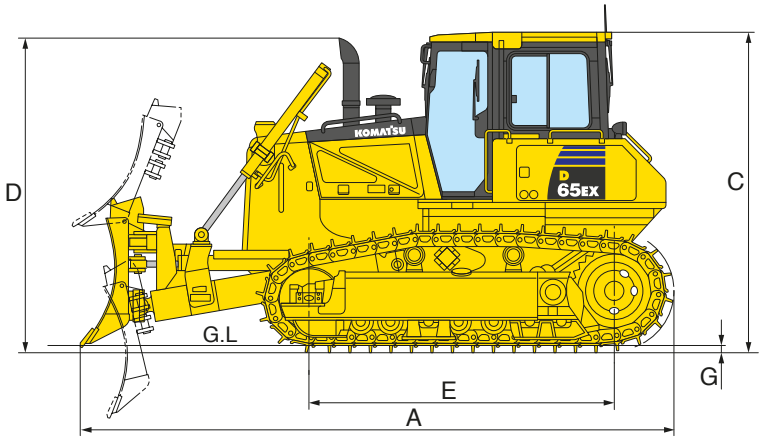
For PAT dozer

	D65EX-16 PAT dozer	D65PX-16 PAT dozer	D65WX-16 PAT dozer
A	**5,790 mm** 19'0"	**5,790 mm** 19'0"	**5,790 mm** 19'0"
B	**2,050 mm** 6'9"	**2,230 mm** 7'4"	**2,230 mm** 7'4"
C	**3,155 mm** 10'4" (**3,160 mm** 10'4")	**3,155 mm** 10'4" (**3,160 mm** 10'4")	**3,155 mm** 10'4" (**3,160 mm** 10'4")
D	**3,080 mm** 10'1" (**3,085 mm** 10'1")	**3,080 mm** 10'1" (**3,085 mm** 10'1")	**3,080 mm** 10'1" (**3.085 mm** 10'1")
E	**2,980 mm** 9'9" (**2,970 mm** 9'9")	**3,285 mm** 10'9" (**3,275 mm** 10'9")	**2,980 mm** 9'9" (**2,970 mm** 9'9")
F	**560 mm** 22"	**760 mm** 30"	**760 mm** 30"
G	**65 mm** 2.6"	**65 mm** 2.6"	**65 mm** 2.6"
H	**3,545 mm** 11'8"	**3,670 mm** 12'0"	**3,670 mm** 12'0"

Ground clearance **410 mm** 1'4" (**415 mm** 1'4")
( ) ... PLUS spec.







Dimension with Power angle power tilt dozer (D65EX-16) single grouser shoe.

Operating weight

Tractor weight

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

D65EX-16	17,120 kg 37,740 lb (17,430 kg 38,430 lb).
D65PX-16	18,890 kg 41,640 lb (19,210 kg 42,350 lb).
D65WX-16	17,860 kg 39,370 lb (18,170 kg 40,060 lb).
For PAT dozer	
D65EX-16	18,030 kg 39,750 lb (18,340 kg 40,430 lb).
D65PX-16	18,870 kg 41,600 lb (19,210 kg 42,350 lb).
D65WX-16	18,900 kg 41,670 lb (19,210 kg 42,350 lb).

( ) ... PLUS spec.

Operating weight

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

D65EX-16	19,510 kg 43,010 lb (19,820 kg 43,690 lb).
D65PX-16	20,990 kg 46,270 lb (21,310 kg 46,980 lb).
D65WX-16	20,360 kg 44,880 lb (20,670 kg 45,570 lb).
For PAT dozer	
D65EX-16	20,990 kg 46,270 lb (21,300 kg 46,960 lb).
D65PX-16	21,860 kg 48,190 lb (22,200 kg 48,940 lb).
D65WX-16	21,890 kg 48,260 lb (22,200 kg 48,940 lb).

( ) ... PLUS spec.

D65EX-16

Standard equipment

- •Air cleaner, double element with dust indicator.
- •Alternator, 60 ampere/24V.
- •Backup alarm.
- •Batteries, 140 Ah/2 x 12V.
- •Color monitor.
- •Decelerator pedal.
- •Engine hood.
- •Engine side covers, gull-wing.
- •Fenders.
- •High mount foot rests.
- •Hydraulic drive radiator cooling fan with clean mode.
- •Locks, filler caps and covers.
- •Muffler with curved exhaust pipe.
- •Oil pressure check ports for power train.
- •Radiator mask, heavy-duty, hinged.
- •Radiator reserve tank.
- •Rear counterweight (EX, WX with PAT).
- •Rear cover.
- •Seat, adjustable.
- •Starting motor, 7.5 kW/24V.
- •Steering system: HSS.
- •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).
  - •560 mm 22" single grouser shoe (EX with PAT).
  - •760 mm 30" single grouser shoe (WX).
  - •760 mm 30" single grouser shoe (PX, WX with PAT).
  - •915 mm 36" single grouser shoe (PX).
- •Underguards:
  Oil pan and transmission.
  Heavy-duty.
- •Water separator.
- •ROPS cab*.
- •Air conditioner.
- •Air-conditioner intake precleaner.
- •Cab accessories.
  12V power supply.
  Cup holder.
  Rear view mirror.
  Sun visor.

* Meets ISO 3471, SAE J1040 APR88 ROPS standards, and ISO 3449 FOPS standard.

Optional equipment

- •Air suspension seat with turn, high-back.
- •Alternator, 90 ampere/24V.
- •AM-FM radio.
- •Batteries 200 Ah/2 x 12 V.
- •Engine intake precleaner.
- •Front pull hook.
- •Hinged underguards.
- •Hitch type drawbar.
- •Hydraulics for ripper (EX, WX).
- •Light working, cab additional.
- •Rear view monitoring system.
- •ROPS canopy.
- •Rotary bushing link track (PLUS).
- •Starting motor 11.0 kW/24 V.
- •Suspension seat with high-back.
- •Tool kit.
- •Track roller guard, full length.

Multi-shank ripper (for D65EX/WX):

Weight (including hydraulic control unit)	1,770 kg 3,900 lb.
Beam length	2,170 mm 7'1".
Maximum lift above ground	640 mm 2'1".
Maximum digging depth	590 mm 1'11".

Shoes

Models	Shoe	Additional weight	Ground contact area	Additional ground pressure to tractor
D65EX	**560 mm** 22" Single-grouser shoe	**+130 kg (+130 kg)** +290 lb (+290 lb)	**33,375 cm² (33,265 cm²)** 5,173 in² (5,156 in²)	**-4.5 kPa (-4.7 kPa)** -0.05 kg/cm² (-0.05 kg/cm²) -0.66 psi (-0.68 psi)
	610 mm 24" Single-grouser shoe	**+250 kg (+260 kg)** +550 lb (+570 lb)	**36,355 cm² (36,235 cm²)** 5,635 in² (5,616 in²)	**-8.4 kPa (-8.5 kPa)** -0.09 kg/cm² (-0.09 kg/cm²) -1.22 psi (-1.24 psi)
	660 mm 26" Single-grouser shoe	**+380 kg (+390 kg)** +840 lb (+860 lb)	**39,335 cm² (39,205 cm²)** 6,097 in² (6,077 in²)	**-11.6 kPa (-11.8 kPa)** -0.12 kg/cm² (-0.12 kg/cm²) -1.68 psi (-1.72 psi)
D65PX	**940 mm** 37" Circular-arc shoe	**+30 kg** +70 lb	**61,760 cm²** 9,573 in²	**-0.8 kPa** -0.01 kg/cm² -0.11 psi

( ) ... PLUS spec.

Optional equipment may not be available in your country. Please contact your Distributor for further information.

Satellite monitoring system

KOMTRAX

KOMTRAX is a revolutionary tracking system designed to save time and money. Nowadays, the equipment can be tracked anytime and anywhere. This valuable data, received via the KOMTRAX website, can be used to optimize planning of the movements and performance of the equipment.

Features

Location

KOMTRAX uses a satellite positioning network to inform the location of the equipment.

Fuel measurement level

Shows the amount of fuel at the end of the working day.

Notice of maintenance replacement

The system generates alerts to inform that the equipment requires change of elements like filters and oil.

Geofence

In partnership with their Komatsu Distributor, owners can create virtual fences (Geo) to receive alerts when the equipment enter or leave the designated range for operations.

Water temperature daily record

Constant record of the increase of engine water temperature with a daily report at the end of the day.

Equipment key hours

Detailed information on key equipment hours such as excavation, moving, digging, alleviating and elevation. This can help to monitor and compare equipment performance, in addition to working hours and idle times.

Service meter reading

Daily report of the equipment's working hours, which allows planning maintenance and replacement of components.

Cautions

If a light turns on in the cab of the equipment it indicates that a problem occurs. From the website of the application you can review the reason for the problem, the time it occurred and a record number will be generated.

Loading frequency

Information on the load factor of the equipment to know if it is performing in a light, medium or heavy work.

Komtrax operation maps

In the operation maps you can check the times of the day when the equipment is in operation and if the workers are performing their duties in the stipulated times.

Abnormality codes

Abnormality codes are transmitted to the Komatsu Distributor for troubleshooting before technicians arrive at the workplace. An email notification is also sent with the code of what happened.

Anti-theft engine lock

KOMTRAX has a system to lock and unlock the motor of the equipment, which will allow the operation only on preset days, hours and areas.

Fuel consumption

On new Komatsu equipment, you can get the actual status of the fuel gallons consumed, besides an average of the fuel spent per hour during the period of operation.

Monthly and annual data reports

KOMTRAX generates summaries of all critical system data to help with analysis of fleet utilization, equipment scheduling, future equipment purchases, labor costs, etc.

Check with your Komatsu dealer for the information available for your model and service availability in your country.

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