KOMATSU®

CRAWLER DOZER

D275AX-5E0

HORSEPOWER
Gross: 337 kW 452 hp @ 2,000 rpm
Net: 335 kW 449 hp @ 2,000 rpm

OPERATING WEIGHT
49,850 kg 109,900 lb

ORIGIN JAPAN / KLTD

Photos of the equipment are referential, may include optional equipment.

D275AX-5E0
WALK-AROUND

ENGINE POWER 452 hp

*Photo may include optional equipment.

HORSEPOWER	OPERATING WEIGHT	BLADE CAPACITY
Gross: 337 kW 452 hp @ 2,000 rpm Net: 335 kW 449 hp @ 2,000 rpm	49,850 kg 109,900 lb	Sigmadozer: **14.6 m³** 19.1 yd³ Semi-U: **13.7 m³** 17.9 yd³

OUTSTANDING PRODUCTIVITY

»Innovative SIGMADOZER
»Reduces digging resistance and demonstrates smooth material roll up to increase blade load.
Blade capacity 14.6 m^3 19.1 yd^3.
See page 8.

»Komatsu SAA6D140E-5 turbocharged after-cooled diesel engine
»Provides an output of 335 kW 449 hp with excellent productivity. This machine is U.S. EPA Tier 3 and EU stage 3A emission certified.
See page 8.

»Preventative maintenance
»Centralized service station.
»Enclosed hydraulic piping.
»Modular power train design.
»Oil pressure checking ports.
See page 11.

»Simple hull frame
»And monocoque track frame with pivot shaft for greater reliability.

»Automatic lockup torque converter saves fuel and increases speed and power transmission efficiency on long pushes.
See page 8.

»New track link design
»Reduces maintenance cost by making turning pins easier, with improved pin reuse.
See page 11.

»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 drive radiator cooling fan controlled automatically, reduces fuel consumption and operating noise levels.
See page 8.

»New hexagonal designed cab includes:
»Spacious interior.
»Comfortable ride with new cab damper mounting and Komatsu Bogie (K-Bogie) undercarriage.
»Excellent visibility.
»High capacity air conditioning system (optional).
»Palm command control system (PCCS) lever controls.
»Pressurized cab (optional).
»Adjustable armrest.
»Travel control console integrated with operator seat.
See page 10.

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

»Low-drive, long-track, seven roller undercarriage
»Ensures outstanding grading ability and stability.

»Track shoe slip control system (optional)
»Reduces operator fatigue.
See page 9.

»Hydrostatic steering system (HSS) provides smooth, quick and powerful control in varying ground conditions.
See page 6.

»K-Bogie undercarriage system
»Improves traction, component durability, and operator comfort.
See page 9.

PCCS (PALM COMMAND CONTROL SYSTEM)

»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.

»Left-hand joystick

»Fully adjustable suspension seat and travel control console

»For improved rear visibility during reverse operations, the operator can adjust seat 15° to the right. The transmission and steering controls move with the seat for optimum operator comfort. The travel control console also has adjustment fore and aft, and height. The armrest is independently adjustable up and down, providing optimum operation posture for all operators.

»Facing front

»When turned 15°

»Palm command pressure proportional control (PPC) controlled blade control joystick

»Blade and ripper control joystick

»Blade control joystick uses the PPC valve and palm command joystick similar to the travel control joystick. PPC control combined with the highly reliable Komatsu hydraulic system enables superb fine control. (Dual tilt and pitch operation are enabled by depressing switch with a thumb. This is available when optional dual tilt dozer is installed.)

»Fuel control dial

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

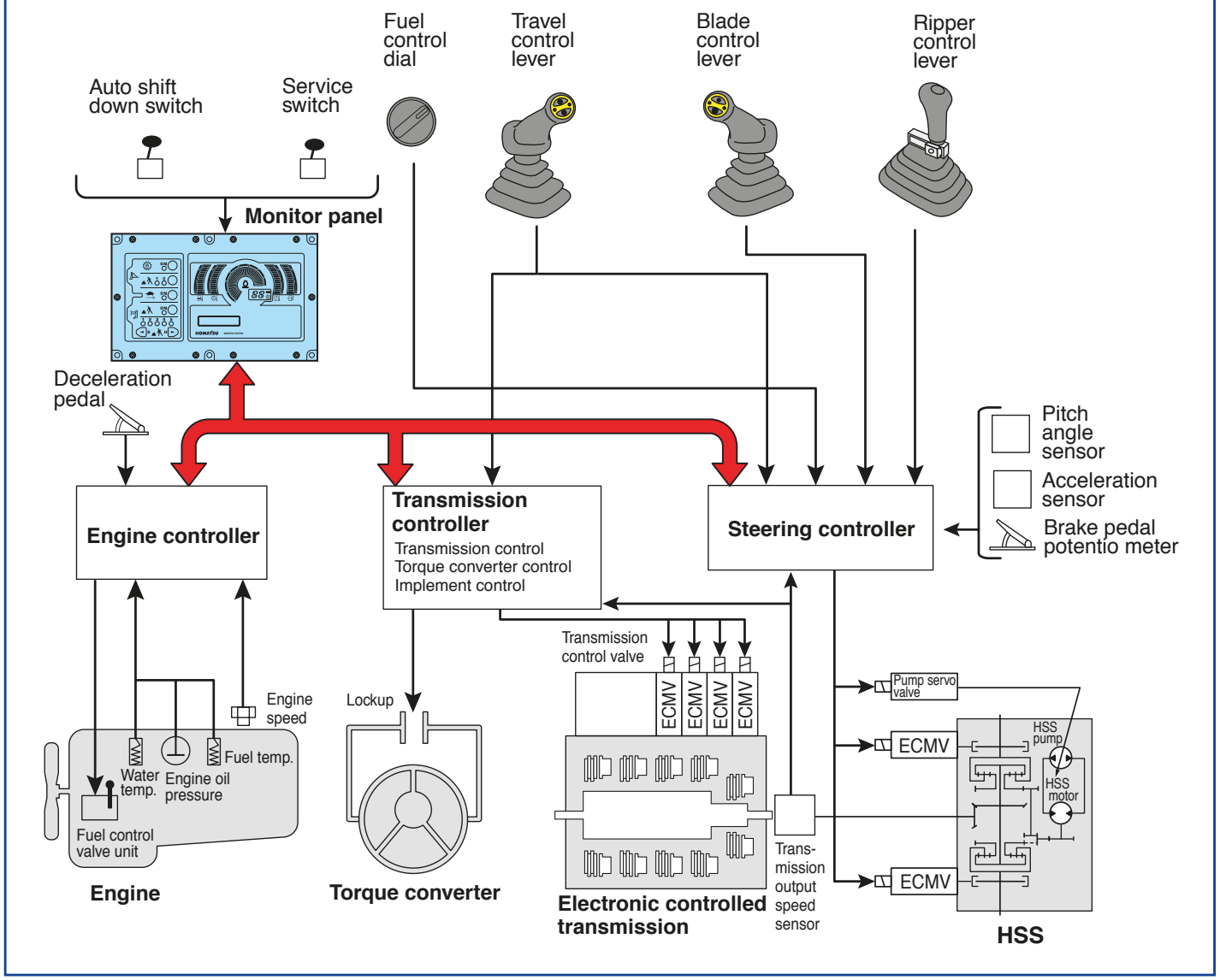
»Height adjustable blade control armrest

»Blade control armrest is height adjustable without any tools in three stages, providing the operator with firm arm support in an ideal armrest.

»Position adjustable ripper control lever

»Ripper control lever position is adjustable, providing optimum operator posture during all types of ripping operations.

»Outline of electronic control system



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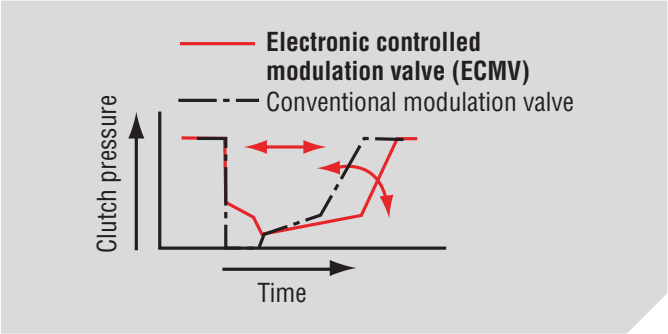
POWER TRAIN ELECTRONIC CONTROL SYSTEM

»Smooth and soft operation

»D275AX-5E0 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 torque converter, transmission, HSS (Hydrostatic steering system) and brakes for optimal machine operation. The ease of operation and productivity of the new D275AX-5E0 is greatly improved through these new features.

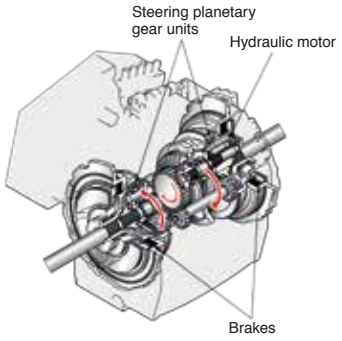
»Electronic controlled modulation valve controlled transmission

»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.



»HSS - smooth, powerful turning

»The 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.

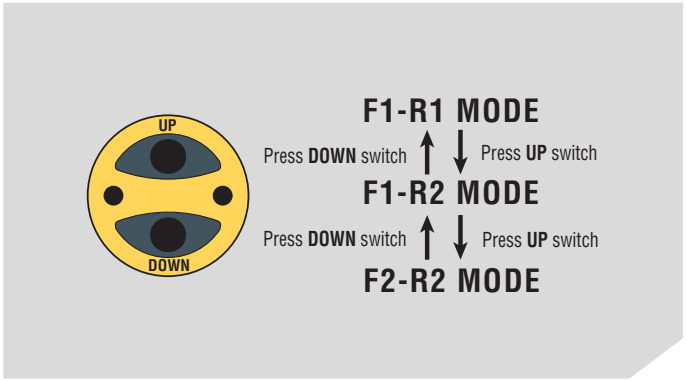


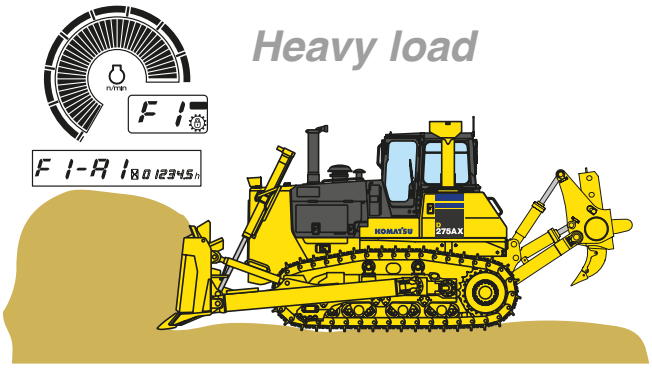
»D275AX-5E0 HSS system is equipped with a pivot turn mode switch on the dashboard. When the pivot turn mode is selected or the machine reaches the limit of HSS during a turn, the turning side brake is engaged. This results in a pivot turn with a short turning radius.

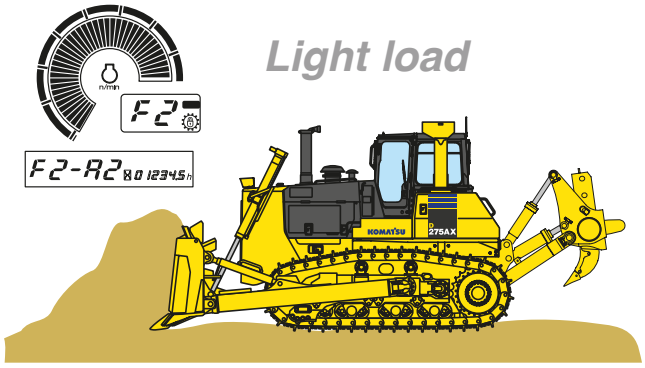
- Turning while dozing - the machine turns by driving the left and right tracks under power at different speeds allowing the machine to travel at the same speed as in straight dozing.
- Side cutting - when side-loading the blade, straight travel can be maintained utilizing HSS.
- On downhill slopes - the machine doesn't require counter-steering. The joystick provides the same steering response on downhill slopes as on flat ground.
- Grading - can be done efficiently without damaging the ground, because the inside track is not locked during turning.

»Preset travel speed function

»Preset travel speed selection function is standard equipment, enabling the operator to select fore and aft travel speed from three preset patterns; F1-R1, F1-R2 and F2-R2 by using the UP/DOWN switch. When the F1-R2 or F2-R2 preset pattern is selected and the travel control is moved into forward or reverse, the machine travels in the preset gear range automatically. This function reduces manual gear shifting frequency during machine operation, enabling the operator to focus on directional and hydraulic control. Preset travel speed selection is especially helpful when used in combination with the auto-downshift function and reduces cycle times during repeated round trip operations.

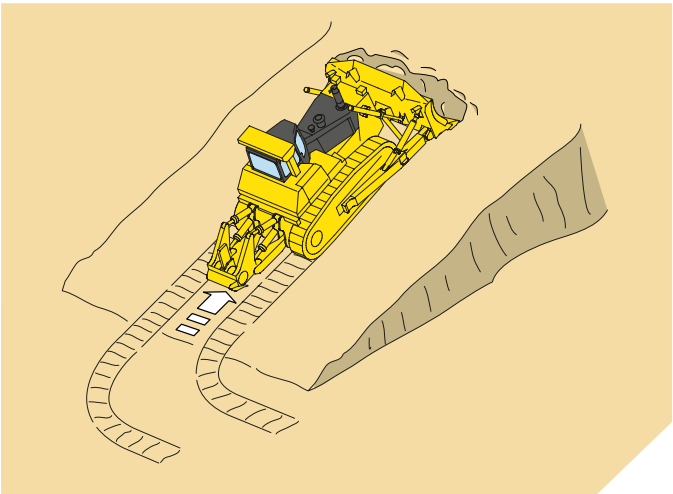






»Auto downshift function

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



»Actuated on heavy load or steep slope.

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PRODUCTIVITY FEATURES

»Engine

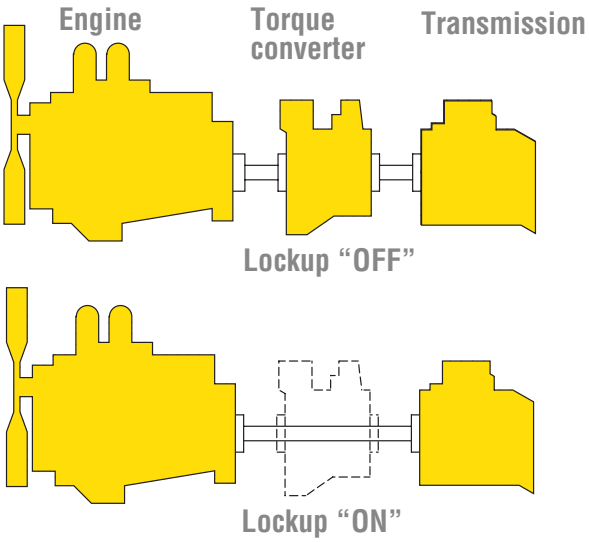
»The Komatsu SAA6D140E-5 engine delivers 335 kW 449 hp at 2,000 rpm. The fuel-efficient Komatsu engine, together with the heavy machine weight, make the D275AX-5E0 a superior crawler dozer in both ripping and dozing production. The engine is U.S. EPA Tier 3 and EU stage 3A emissions certified, and features direct fuel injection, turbocharger, air- to-air aftercooler and cooled exhaust gas recirculation (EGR) system 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.

»Automatic torque converter lockup system

»In the lockup configuration, the system automatically engages the torque converter lockup clutch with all the engine power transmitted directly to the transmission, increasing ground speed and thus achieving efficiencies equal to a direct drive. The result is efficient use of engine power, less fuel consumption, and faster cycle times.



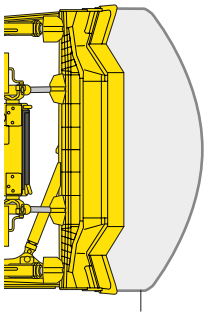
OUTSTANDING PRODUCTIVITY

»Sigmadozer

PRODUCTION INCREASED BY 15%
(COMPARED WITH OUR CONVENTIONAL MODEL)

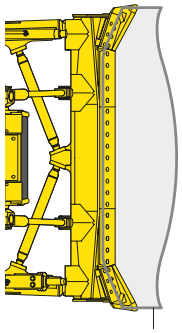
»Based on a completely new digging theory, SIGMADOZER dramatically improves dozing performance and increases productivity. A new frontal design concept adopted for digging and rolling up material at the center of the blade increases material holding capacity, simultaneously reducing sideway spillage. Reduced digging resistance produces smoother flow of material, enabling the dozing of larger quantities of material with less power. In addition, adoption of a new blade linkage system holds the blade closer to the tractor for improved visibility, enhanced digging force and reduced lateral sway of the blade.

SIGMADOZER



Shape of dozed material

Semi-U blade



Shape of dozed material

UNDERCARRIAGE

»K-Bogie system

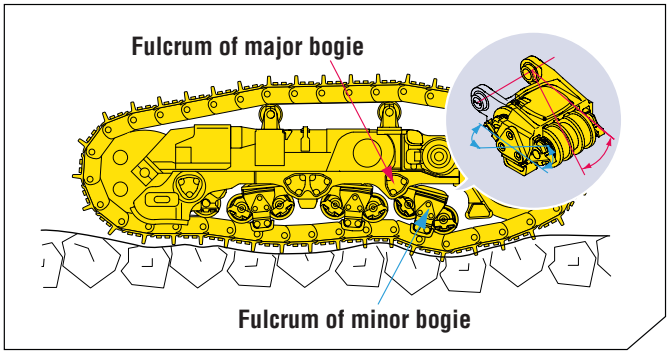
»New K-Bogie undercarriage system retains prior advantages, with new additional features.

Current features:

- Effective length of track on ground is consistent. Shoe slippage is minimized; therefore, high traction is obtained.
- The idler does not oscillate under load, providing excellent machine balance. Blade and ripper penetration force remains stable for increased productivity.

New features on K-Bogie undercarriage system:

- K-Bogies oscillate with two fulcrums, and track roller vertical travel is greatly increased. Impact load on all undercarriage components has been reduced and durability of components is improved since track rollers are always in contact with track link.
- Undercarriage life is improved due to better control of track chain alignment with track rollers.
- Riding comfort is improved by reducing vibration and shock when traveling over rough terrain.



»Dual tilt dozer

»The dual tilt dozer increases productivity while reducing operator effort.

- Optimum blade cutting angle for all types of materials and grades can be selected on-the-go for increased load and production.
- Digging, dozing (carry), and dumping (spreading) are easy and smooth with less operator fatigue.
- Dozer tilt angle and tilt speed are twice that of a conventional single tilt system.

»Rippers

- The variable giant ripper features a long sprocket center-to-ripper point distance, making ripping operation easy and effective while maintaining high penetration force.
- The variable giant ripper is a parallelogram single shank ripper ideal for ripping in tough material. The ripping angle is variable, and the depth is adjustable in three stages by a hydraulically controlled pin puller.
- The multi-shank ripper is a hydraulically controlled parallelogram ripper with three shanks.

»Track shoe slip control system (optional)

»Track shoe slip control panel

- Eliminates the need for the operator to constantly control engine power output with the decelerator while ripping. Operator fatigue is substantially reduced.
- Maneuverability is improved because the operator is free to focus on the ripping application without having to monitor the track shoe slippage.
- Repair costs are significantly lowered and undercarriage life is prolonged with the reduction in track shoe slippage.
- The track shoe slip control system will contribute to lower fuel costs, because the engine output is automatically controlled to optimum levels for operation.

WORKING ENVIRONMENT

OPERATOR COMFORT

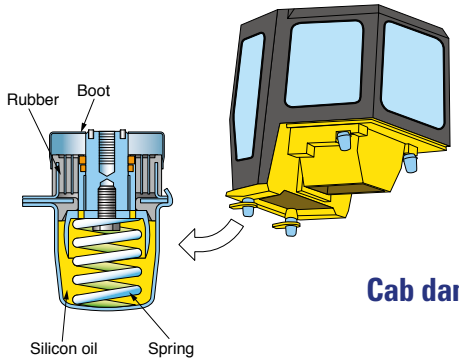
»Operator comfort is essential for productive work. The D275AX-5E0 provides a quiet, comfortable environment where the operator can concentrate on the work at hand.

»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.

»Comfortable ride with new cab damper mounting and K-Bogie undercarriage

»D275AX-5E0's cab mount uses a new cab damper which provides excellent shock and vibration absorption capacity with its long stroke. Cab damper mounts combined with new K-Bogie undercarriage, softens shocks and vibration while traveling over adverse conditions, that are impossible to absorb with conventional cab mounting methods. The soft spring of cab damper isolates the cab from machine body, suppressing vibration and providing a quiet, comfortable operating environment.



Cab damper mounting

»New suspension seat

»D275AX-5E0 uses a new suspension seat. Fore and aft sliding rails and suspension spring are reinforced and play of joints is reduced. In addition to turning function for ripper operation, the seat is also tiltable to facilitate down hill dozing. Air suspension seat is also available.

EASY MAINTENANCE

PREVENTATIVE MAINTENANCE

»Preventative maintenance is the only way to ensure long service life from your equipment. That's why Komatsu designed the D275AX-5E0 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 gauges and hydraulic tank are arranged in the right side of the machine.

All warning and monitor lamps are lit for photo shooting.

»Monitor with self-diagnostic function

»With the starting switch turned ON, the monitor displays P on the display, check-before-starting and caution items appear on the lower right part of the panel. If the monitor finds abnormalities, corresponding warning lamp blinks and warning buzzer sounds. The monitor displays engine rpm and forward/reverse gear speed on the upper part of the monitor during operation. When abnormalities occur during operation, action code and service meter are displayed alternately. When a critical action 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.

»Modular power train design

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

»Oil pressure checking ports

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

»Maintenance free disc brakes

»Wet disc brakes require less maintenance.

»Enlarged engine room

»Engine room space is enlarged by increasing engine hood height, facilitating maintenance of the engine and related equipment. Perforated holes on the engine hood are discontinued, preventing dust and rain entering and to keep engine area clean.

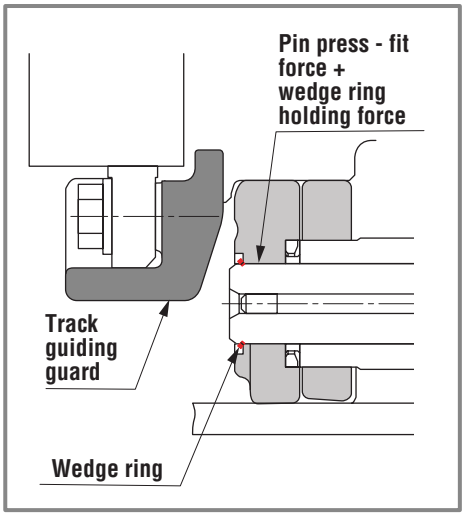
»Gull-wing engine side covers

»The opening area is further enlarged when gull-wing engine side covers are opened, facilitating engine maintenance and filter replacement. Side covers have been changed to a thick one-piece structure with a bolt-on catch to improve durability.

LOW MAINTENANCE COSTS

»Track link with wedge ring

»New D275AX-5E0 track links feature reduced press-fit force and a wedge ring. Conventional track pins are retained only with a large press-fit force. The new track link divides pin forces between the wedge ring and press-fit force. This results in easier service with reduced pin damage when turning pins and bushings. The result is improved undercarriage life and reduced maintenance cost through reduced wear, greater pin reusability, and reduced maintenance man-hours.



KOMATSU®

SPECIFICATIONS

ENGINE

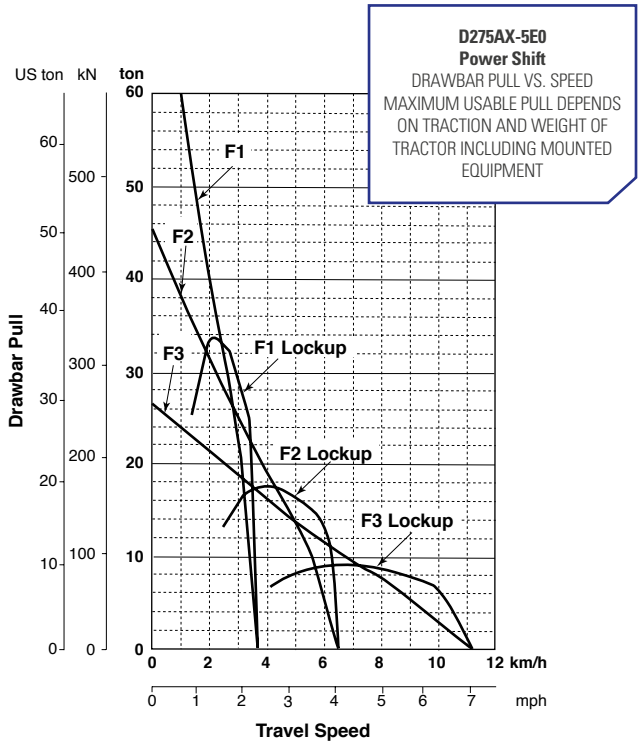
MODEL	Komatsu SAA6D140E-5.
TYPE	4-cycle, water-cooled, direct injection.
ASPIRATION	Turbocharged, air-to-air aftercooled, cooled EGR.
NUMBER OF CYLINDERS	6.
BORE X STROKE	**140 mm x 165 mm** 5.51" x 6.50".
PISTON DISPLACEMENT	**15.24 L** 930 in^3.
GOVERNOR	All-speed, electronic.
HORSEPOWER	
SAE J1995	Gross 337 kW 452 hp.
ISO 9249/SAE J 1349*	Net 335 kW 449 hp.
RATED RPM	2,000 rpm.
FAN DRIVE TYPE	Hydraulic.
LUBRICATION SYSTEM	
METHOD	Gear pump, force lubrication.
FILTER	Full-flow.
*NET HORSEPOWER AT THE MAXIMUM SPEED OF RADIATOR COOLING FAN	306 kW 410 hp.

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

TORQFLOW TRANSMISSION

Komatsu TORQFLOW transmission consists of a water-cooled, 3-element, 1-stage, 1-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 accidental starts.

Gear	Forward		Reverse	
1st	**3.6 km/h**	2.2 mph	**4.7 km/h**	2.9 mph
2nd	**6.7 km/h**	4.2 mph	**8.7 km/h**	5.4 mph
3rd	**11.2 km/h**	7.0 mph	**14.9 km/h**	9.3 mph



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

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.
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	3.9 m 12´10".

UNDERCARRIAGE

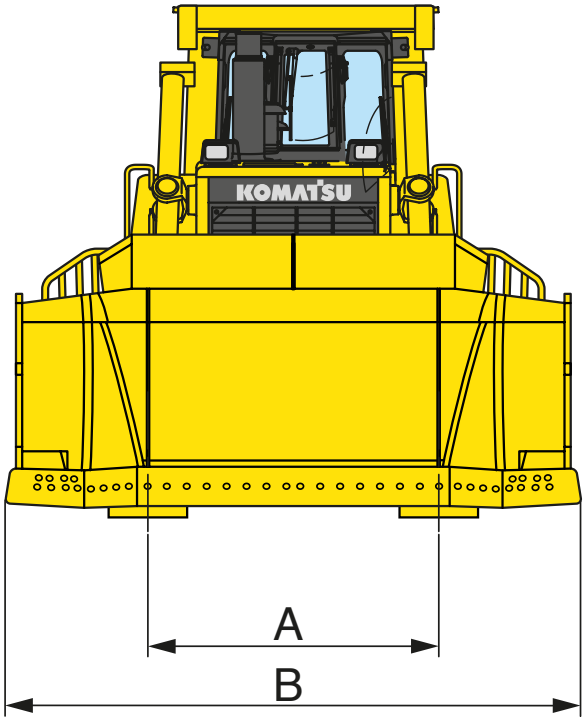
SUSPENSION	Oscillating equalizer bar and pivot shaft.
TRACK ROLLER FRAME	Cylindrical, high-tensile-strength steel construction.
ROLLERS AND IDLERS	Lubricated track rollers.
K-BOGIE UNDERCARRIAGE	Lubricated track rollers are resiliently mounted to the roller frame with a series of K-Bogies whose oscillating motion is cushioned by rubber pads.
EXTREME SERVICE 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.
NUMBER OF SHOES (EACH SIDE)	39.
GROUSER HEIGHT:	
SINGLE GROUSER	**88 mm** 3.5".
SHOE WIDTH (STANDARD)	**610 mm** 24".
GROUND CONTACT AREA	**42,456 cm^2** 6,580 in^2.
GROUND PRESSURE (TRACTOR ONLY)	**87.3 kPa** 0.89 kg / cm^2 12.7 psi.
NUMBER OF TRACK ROLLERS	7.
NUMBER OF CARRIER ROLLERS	2.

Extreme service shoes	Additional weight	Ground contact area	Ground pressure
710 mm 28"	**570 mm** 1,260 lb	**49,416 cm^2** 7,659 in^2	**103 kPa** 1.05 kg/cm^2 15.0 psi
760 mm 30"	**850 kg** 1,870 lb	**52,896 cm^2** 8,199 in^2	**97 kPa** 0.99 kg/cm^2 14.1 psi

COOLANT AND LUBRICANT CAPACITY (REFILL)

FUEL TANK	**840 ltr** 222 U.S. gal
COOLANT	**100 ltr** 26.4 U.S. gal
ENGINE	**52.0 ltr** 13.7 U.S. gal
TORQUE CONVERTER, TRANSMISSION, BEVEL GEAR, AND STEERING SYSTEM	**90 ltr** 23.8 U.S. gal
FINAL DRIVE (EACH SIDE)	**40 ltr** 10.6 U.S. gal

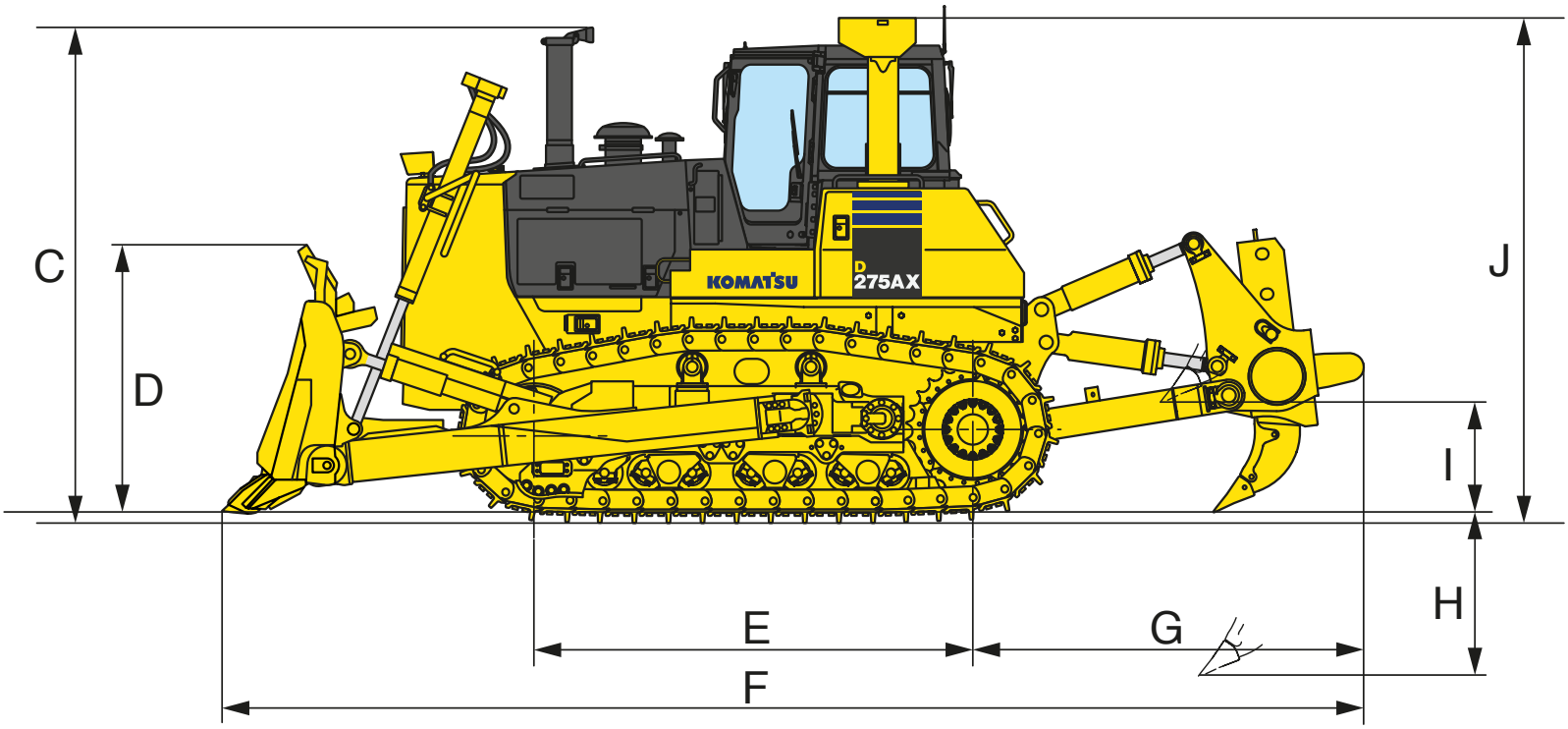
SIGMADOZER WITH GIANT RIPPER



Ground clearance: 507 mm 1'8"

A	**2,260 mm**	7'5"
B	**4,440 mm**	14'7"

DIMENSIONS



Ground clearance: 507 mm 1'8"

C	**3,915 mm**	12'10"
D	**2,150 mm**	7'1"
E	**3,480 mm**	11'5"
F	**8,995 mm**	29'6"
G	**3,030 mm**	9'11"
H	**1,300 mm**	4'3"
I	**870 mm**	2'10"
J	**3,990 mm**	13'1"

OPERATING WEIGHT

TRACTOR WEIGHT **37,680 kg** 83,070 lb

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

OPERATING WEIGHT **49,850 kg** 109,900 lb.

Including Strengthened Dual tilt SIGMADOZER, giant ripper, steel cab, ROPS (ISO 3471), operator, standard equipment, rated capacity of lubricant, coolant, and full fuel tank.

GROUND PRESSURE **119 kPa** 1.21 kg/cm^2 17.2 psi.

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 **230 L/min** 60.8 U.S. gal/min at rated engine rpm.

RELIEF VALVE SETTING **27.5 MPa** 280 kg /cm^2 3,980 psi.

CONTROL VALVES:
Spool control valves for SIGMADOZER, Semi-U tilt dozer and Full-U tilt dozer.
POSITIONS: BLADE LIFT Raise, hold, lower, and float.
BLADE TILT Right, hold, and left.

Additional control valve required for variable digging angle multi-shank ripper and giant ripper.
POSITIONS: RIPPER LIFT Raise, hold, and lower.
RIPPER TILT Increase, hold, and decrease.

HYDRAULIC CYLINDERS Double-acting,piston

	Number of cylinders	Bore
Blade lift	2	**120 mm** 4.72"
Blade tilt	1(Single tilt), 2(Dual tilt)	**180 mm** 7.09"
Ripper lift	2	**180 mm** 7.09"
Ripper tilt	2	**160 mm** 6.30"

HYDRAULIC OIL CAPACITY (REFILL):
SIGMADOZER OR SEMI-U DOZER OR FULL-U DOZER **130 ltr** 34.3 U.S. gal.
RIPPER EQUIPMENT (ADDITIONAL VOLUME):
GIANT RIPPER **38 ltr** 10.0 U.S. gal.
MULTI-SHANK RIPPER **38 ltr** 10.0 U.S. gal.

DOZER EQUIPMENT

Blade capacities are based on the SAE recommended practice J1265.

	Overall length with dozer	Blade capacity	Blade length x height	Maximum lift above ground	Maximum drop below ground	Maximum tilt adjustment	Weight*		Ground pressure**
							Dozer equipment	Hydraulic oil	
Strengthened Dual tilt SIGMADOZER	**6,665 mm** 21'10"	**14.6 m^3** 19.1 yd^3	**4,440 mm x 2,150 mm** 14'7" x 7'1"	**1,390 mm** 4'7"	**745 mm** 2'5"	**1,070 mm** 3'6"	**9,110 kg** 20,080 lb	**35 kg** 77 lb	**119 kPa** 1.2 1kg/cm^2 17.2 psi
Strengthened SIGMADOZER	**6,665 mm** 21'10"	**14.6 m^3** 19.1 yd^3	**4,440 mm x 2,150 mm** 14'7" x 7'1"	**1,390 mm** 4'7"	**745 mm** 2'5"	**1,000 mm** 3'3"	**9,030 kg** 19,910 lb	**29 kg** 64 lb	**119 kPa** 1.21 kg/cm^2 17.2 psi
Semi-U tilt dozer	**6,930 mm** 22'9"	**13.7 m^3** 17.9 yd^3	**4,300 mm x 1,960 mm** 14'1" x 6'5"	**1,450 mm** 4'9"	**640 mm** 2'1"	**1,000 mm** 3'3"	**7,480 kg** 16,490 lb	**29 kg** 64 lb	**115 kPa** 1.17 kg/cm^2 16.6 psi
Full-U tilt dozer	**7,265 mm** 23'10"	**16.6 m^3** 21.7 yd^3	**4,615 mm x 1,973 mm** 15'2" x 6'6"	**1,450 mm** 4'9"	**640 mm** 2'1"	**1,070 mm** 3'6"	**8,405 kg** 18,530 lb	**29 kg** 64 lb	**118 kPa** 1.20 kg/cm^2 17.1 psi
Dual tilt Semi-U dozer	**6,930 mm** 22'9"	**13.7 m^3** 17.9 yd^3	**4,300 mm x 1,960 mm** 14'1" x 6'5"	**1,450 mm** 4'9"	**640 mm** 2'1"	**1,140 mm** 3'9"	**7,560 kg** 16,670 lb	**35 kg** 77 lb	**116 kPa** 1.18 kg/cm^2 16.8 psi
Dual tilt Full-U dozer	**7,265 mm** 23'10"	**16.6 m^3** 21.7 yd^3	**4,615 mm x 1,973 mm** 15'2" x 6'6"	**1,450 mm** 4'9"	**640 mm** 2'1"	**1,220 mm** 4'0"	**8,485 kg** 18,710 lb	**35 kg** 77 lb	**118kPa** 1.20 kg/cm^2 17.1 psi

* Additional weight to obtain the weight of strengthened type dozer equipment.
For strengthened Semi-U dozer: + 1,050 kg. For strengthened Full-U tilt dozer: + 1,200 kg.
When calculating the operating weight of dual tilt dozer, add the 50 kg weight of additional hydraulic system to the tractor weight.

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

STANDARD EQUIPMENT

»Alternator 90 ampere/24 V.
»Backup alarm.
»Batteries 200 Ah/2 x 12 V.
»Blower fan.
»Decelerator pedal.
»Dry-type air cleaner with dust evacuator and dust indicator.
»Final drive case wear guard.
»Hinged front mask.
»Hinged underguard with front pull hook.
»HSS.
»Hydraulic track adjusters.
»Lighting system (including four front and two rear lights).
»Lockup torque converter.
»Muffler with rain cap.
»Palm lever steering control.
»Radiator reserve tank.
»ROPS (ISO 3471) brackets.
»Segmented sprockets.
»Seven-roller track frames.
»Shoes, 610 mm 24" extreme service, single-grouser.
»Starting motors 11 kW/24 V.
»Suspension seat.
»TORQFLOW transmission.
»Track roller guards.
»Warning horn.

OPTIONAL EQUIPMENT

»Air conditioner with heater and defroster.
»Alternator 75 ampere/24 V.
»Batteries 170 Ah/2 x 12 V.
»Counterweight.
»Cushion dozer.
»Cushion push block.
»Fire extinguisher.
»Hitch.
»Hydraulics for ripper.
»Light for ripper point.
»Mirror, rearview.
»Panel cover.
»Perforated engine side covers.
»Perforated single door radiator mask.
»Pusher plate.
»Radio, stereo.
»Seat:
Air suspension seat.
Suspension seat.
—Fabric seat.
—Fabric seat, high backrest.
»Seat belt.
»Shoes:
—710 mm 28".
—760 mm 30".
»Spill guard for Semi-U dozer.
»Spill guard for Full-U dozer.
»Sun visor.
»Track shoe slip control system.
»Vandalism protection kit.

ROPS*:	
WEIGHT	**605 kg** 1,330 lb.
DIMENSION:	
WIDTH	**1,980 mm** 6'6".
HEIGHT FROM COMPARTMENT FLOOR	**1,835 mm** 6'0".

*Meets ISO 3471, SAE J1040 APR88, ROPS standards.

STEEL CAB:**	
WEIGHT	**455 kg** 1,000 lb.
DIMENSIONS:	
LENGTH	**1,790 mm** 5'10".
WIDTH	**1,455 mm** 4'9".
HEIGHT FROM COMPARTMENT FLOOR TO CEILING	**1,530 mm** 5'0".

**Meets ISO 3449 FOPS standard.

Multi-shank ripper:
Hydraulically controlled parallelogram ripper with three shanks. Ripping angle infinitely adjustable.

WEIGHT (INCLUDING HYDRAULIC CONTROL UNIT)	**4,462 kg** 9,840 lb.
BEAM LENGTH	**2,495 mm** 8'2".
MAXIMUM LIFT ABOVE GROUND	**955 mm** 3'2".
MAXIMUM DIGGING DEPTH	**900 mm** 2'11".

Variable giant ripper:
Variable, parallelogram single-shank ripper ideal for ripping up tough material. Ripping angle is infinitely adjustable. Ripping depth is adjustable in three stages by a hydraulically controlled pin puller.

WEIGHT (INCLUDING HYDRAULIC CONTROL UNIT)	**3,600 kg** 7,940 lb.
BEAM LENGTH	**1,252 mm** 4'1".
MAXIMUM LIFT ABOVE GROUND	**870 mm** 2'10".
MAXIMUM DIGGING DEPTH	**1,300 mm** 4'3".

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

KOMTRAX

SATELLITE MONITORING SYSTEM

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.

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

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

» 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.

» FUEL MEASUREMENT LEVEL
Shows the amount of fuel at the end of the working day.

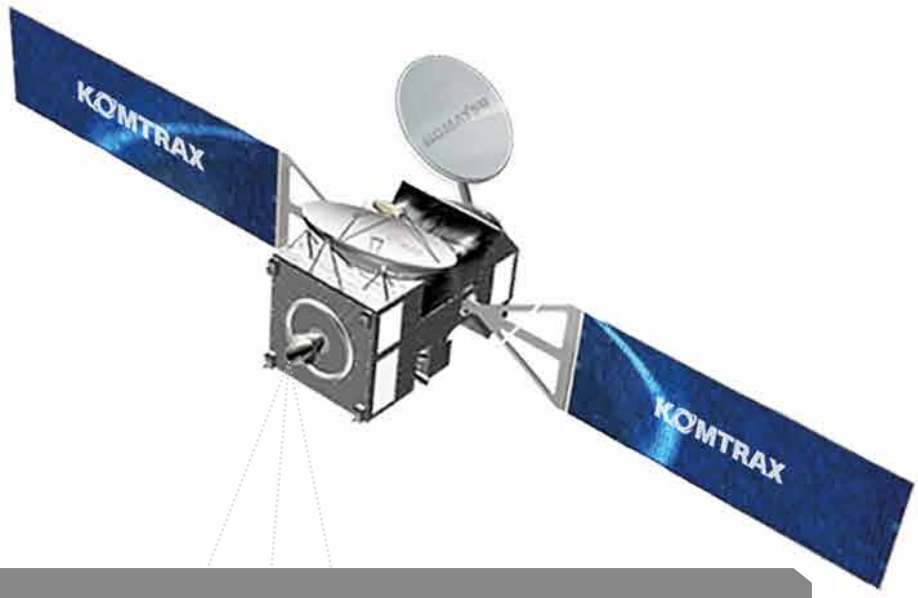
» WATER TEMPERATURE DAILY RECORD
Constant record of the increase of engine water temperature with a daily report at the end of the day.

» 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.

» 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.

» NOTICE OF MAINTENANCE REPLACEMENT
The system generates alerts to inform that the equipment requires change of elements like filters and oil.

» 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.



KOMTRAX

FEATURES

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

» 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.

KOMATSU®

For further information, contact your Distributor or visit our website **www.komatsulatinoamerica.com**

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