

KOMATSU®

MOTOR GRADER

GD555-5

HORSEPOWER

- Gross: 146 kW / 196 hp / 2,000 min⁻¹
- Net: 144 kW / 193 hp / 2,000 min⁻¹

OPERATING WEIGHT

- 15,135 kg (with ripper 17,065 kg)

BLADE LENGTH

- 3.71 m



ORIGIN JAPAN / KLTD

Photos may include optional equipment.

WALK-AROUND GD555-5

PRODUCTIVITY

- » Long wheelbase & short turning radius.
- » Optimized hydraulic & cooling system.

CONTROL

- » Outstanding power transmitting system.

COMFORT

- » Excellent visibility.
- » Spacious interior.

SERVICEABILITY

- » Machine monitoring system.
- » Easy maintenance design.

KOMTRAX

- » Energy saving operation report.
- » Equipment management support.
- » Optimal strategy for efficient work.

ECOLOGY & ECONOMY

- » Engine power mode selection system.
- » Circumference dynamic noise.



*Photo may include optional equipment.

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DASH 5 SERIES MOTOR GRADERS



» The perfect fit for the jobsite

» Most of motor grader applications requires accuracy and versatility. For that, motor graders should be easy to operate in any situations of work.

» To realize this ease of operation, Komatsu dash 5 series motor graders are totally improved from overview design down to each element.

» Our design philosophy contributes to our motor graders fitting in every jobsites from road construction to snow removal, and brings more productivity to every operators from beginner to expert.

» Get more versatility

» The GD555-5 attempts to get more versatility in the middle class graders which are used in various jobsites. With variety of work equipments and stretched wheelbase that is easier to accommodate longer blade, all elements are enhance job efficiency.

» Moreover, the torque converter transmission provides easy control, resulting in more precise operation in any application.



PRODUCTIVITY



» Long wheelbase & short turning radius

- » The long wheelbase enables high leveling performance with a long blade and easier to set the blade position.
- » Long wheelbase also contributes to expanding blade reach in combination with large articulation angle.
- » Additionally the minimum turning radius still short with wide steering angle, serves high maneuverability.

» Optimized hydraulic & cooling system

» Control valve

Komatsu multifunctional control valve with closed load sensing system (CLSS) hydraulic system enable the constant cylinder speed, excellent multifunctional operation ability and fine control.

1. Low operating effort

Implement controls are designed to reduce operator fatigue. They feature short lever throws and effort in both directions. Properly spaced control levers and short lever throws allow the operator to use multiple controls with one hand.

2. Balanced flow

When the operator uses several controls at the same time, flow is proportional to ensure several implements can operate simultaneously.

3. Constant implement speed

Implement speed is constant regardless of engine speed because of the large pump output and proportional flow control function.

» Power on demand

Normally, the variable displacement pump idles at low output.

» When it senses a load requirement, the pump supplies quick flow and pressure to match the demand.

» The result is less hydraulic system heat, quick response and lower fuel consumption.

» Hydraulic cooling fan

The newly designed cooling fan eliminates excessive cooling capacity by controlling air flow rate according to work load.

CONTROL



» Outstanding power transmitting system

- » The GD555-5 features lock-up torque converter transmission for pursuing ease of operation.
- » This unique system provides both efficiency of direct drive and controllability of torque converter drive.
- » With this outstanding power transmitting system, the GD555-5 delivers advanced productivity in any applications from fine grading to heavy grading.

» Torque converter features

» High controllability.

- Eliminates engine stalling and inching pedal operation.
- Smooth starting, good controllability in fine grading.
- Easy travelling, automatic gear shifting.
- Reduce excessive tire slipping.

» Torque multiplication

- Multiply over twice torque, provides much torque in heavy grading, ditching and ripping.
- Stable engine speed, reduce shift changing during road maintenance and snow removal.

» Lock-up function

- Prevents loss of efficiency.



» Transmission mode selection

» There is two transmission mode to enhance productivity. With the push of a button, transmission mode is selected to fit in working condition and preference of operators.

Auto mode: Drive with torque converter in all shift position. This mode maximizes torque converter benefits. Lock-up will works in F5-F8 and R3-R4 position. Shifting F8 position serves automatic shifting through F4-F8 in responsible to machine speed.

Manual mode: Works like a same way as conventional power shift, by engaging lock up clutch with all gears. This mode maximizes efficiency of direct shifting. In reverse travelling, works same way as Auto mode, serves less shift lever operation frequency.

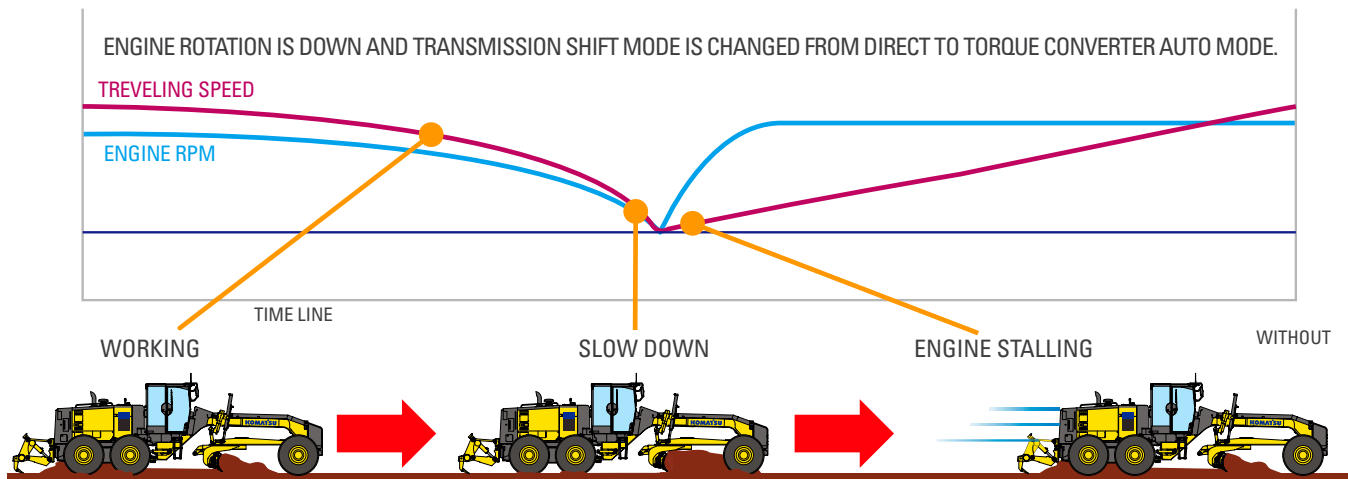
	SHIFT LEVER POSITION								SHIFT LEVER POSITION			
	F1	F2	F3	F4	F5	F6	F7	F8	R1	R2	R3	R4
AUTO MODE	○	○	○	○	AUTOMATIC SHIFTING				○	○	AUTOMATIC SHIFTING	
MANUAL MODE	●	●	●	●	●	●	●	●	○	○	AUTOMATIC SHIFTING	

● : LOCK UP CLUTCH ENGAGING

» Creep mode

» Prevents engine stalling while Lock up by automatically disengaging the lock up clutch and shifting to torque converter state.

» Torque converter provides much torque to continue to work as it is, never needs to restart the engine and shift the gear.



» Anti stall

» Torque converter transmission introduces creep mode which provides constant low speed without acceleration and brake control.

» Optimized machine speed and great stability of torque converter boosts up precise control during fine grading.

» Power train protection

» Electronic over-speed protection prevents downshifting until reducing the travel speed to the safe range of shift changing.

» FR Inhibitor restricts excessive shuttle shifting at high traveling speed.

» Reduce shift shock for driving comfort

» Torque converter allows to absorb torque fluctuation of the engine.

» Even in shifting the gear during Lock up, torque converter temporally absorb shift shock and contributes high driving comfort.

COMFORT



EXCELLENT VISIBILITY

» Excellent visibility by hexangular cab with front Y shape pillar and rear layout side pillar boost operator's confidence and productivity in all grader applications.

» Well-positioned blade linkage provides an unobstructed view of the moldboard and front tires. The tapered engine hood provides good visibility to the rear of the machine, especially the rear ripper.



ROPS CAB

» Low profile cab is designed to ensure ROPS/FOPS (ISO 3471/ISO 3449) certification.

» Rear (ripper) view from the cab.



SPACIOUS INTERIOR

» Low noise

» New hydraulically driven fan and redesigned layout of the cooling system achieve a low noise level.

Operator's ear dynamic noise level (ISO6396) - 74 dB (A)

» Suspension seat

- » The suspension, fabric covered seat which is adjustable to the operator's weight is provided as standard.
- » The suspension seat dampens vibrations transmitted from the machine and reduces operator fatigue.
- » The seat features fold-up armrests and a retractable seat belt.



» Air conditioner

» Well-positioned air conditioning vents keep the operator comfortable through a wide range of outside conditions.



» Electric throttle control

- » The RPM mode select switch allows the operator to perfectly match the working condition by selecting between three modes: Auto, off and manual.
- » The engine speed set by throttle switch is temporarily cancelled when operating the brake/acceleration pedal at Auto mode.



» Storage space

» The cab includes built-in storage space for personal items such as a lunch box, coffee cup, and a coat hook.



» Adopted DC 12 V electrical outlet (optional)

» 12 V DC outlets is included in the operator's cab.

» Adjustable control console

» The control console is adjustable backward and forward to facilitate entry and exit from the cab. The steering wheel also tilts to the operators preference.

DASH 5 SERIES MOTOR GRADERS

» Machine monitoring system

- » The machine monitor displays various machine information and allows for various settings of the machine.
- » Displays maintenance information, operation records, etc.
- » By using the switch panel, you can display various user menus on the liquid crystal display (LCD) unit screen and perform the settings of the machine.

» Clear character display

- » During normal operation, the service meter/odometer is displayed in this area. If an abnormality or machine overload occurs, or if machine maintenance and inspection are required, action codes appear on the display to allow the operator to take appropriate action.



1 GEAR POSITION

4 POWER MODE INDICATOR

2 SPEED METER

5 CHARACTER DISPLAY

3 ECO INDICATOR

- Service meter.
- Odometer.
- Maintenance information.
- Error code.
- Fuel consumption information.

» Easy maintenance design

» Accessibility to service areas

- » Easy and more safety refueling from the ground.
- » Large hinged service door serves wide inspection area.
- » Service meter is integrated with the machine monitor.
- » Distinguishable fuse panel in the cab.
- » Tandem oil check points is easy to access.
- » Spin-on filters for quick replacing.
- » Oil drains located near ground.

» Power train components

- » With a modular design, you can remove the engine, transmission or final drives independently for quick service.

» Disconnect switch

- » For inspection and maintenance, the batteries can be disconnected with this switch when repairing the machine or checking batteries.



Ground refueling



Tool box

ECOLOGY & ECONOMY



» Engine power mode selection system

» The system allows selection of the appropriate mode between two modes E or P mode according to each working condition. The mode is easily selected with a switch in the operator's cab.

• **P mode:** Greater productivity can be attained by taking full advantage of high output power. It is appropriate for job sites where the motor grader meets high resistance.

• **E mode:** This mode is selected for maximum economy and lighter work applications. This feature provides the appropriate power and better fuel consumption during operation or hill climb.

» Komatsu technology

» Komatsu uniquely develops all major components including total control system, like engines, electronics, and hydraulic components. With this "Komatsu technology" and continuous customer feedback, Komatsu has been achieving great advancements of technology. This resulted in new generation of high performance and environmentally friendly products.



» High performance engine

» Powerful turbocharged and air-to-air aftercooled Komatsu SAA6D107E-1 engine provides 144 kW 193 hp. This engine realizes high power with low fuel consumption by common rail injection system (CRI), and thus it delivers higher work speeds with high horsepower. In addition, high torque at low speed, impressive acceleration, and low fuel consumption ensure maximum productivity. This engine is U.S. EPA Tier 3 and EU Stage 3A emissions certified.

	P mode		E mode	
	AUTO	MANU.	AUTO	MANU.
F1	118 (158)	118 (158)	104 (140)	104 (140)
F2	131 (176)	131 (176)	118 (158)	118 (158)
F3			131 (176)	131 (176)
F4			114 (193)	114 (193)
F5			104 (140)	104 (140)
F6			118 (158)	118 (158)
F7	114 (193)	114 (193)	131 (176)	131 (176)
F8	118 (158)	118 (158)	104 (140)	104 (140)
R1	118 (158)	118 (158)	104 (140)	104 (140)
R2	131 (176)	131 (176)	118 (158)	118 (158)
R3	131 (176)	131 (176)	118 (158)	118 (158)
R4			118 (158)	118 (158)

unit: kW(HP)

» Circumference dynamic noise

» The dynamic circumference noise is lowered by various kind of countermeasures like the hydraulic driven cooling fan ,the variable displacement pump and etc.

**Circumference dynamic
noise level (ISO6395)**

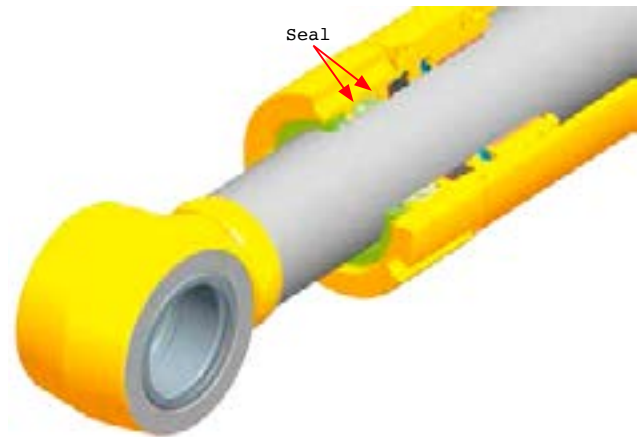
111.4 dB (A)



Hydraulic driven cooling fan

» Double seal cylinder (blade side shift cylinder)

» A double-seal design is used for the blade side shift cylinder, which is installed near the ground, and thus susceptible to damage by dirt. Environmentally friendly by preventing oil leakage from the cylinder.



WORK EQUIPMENTS



» Komatsu genuine work equipment

» Moldboard options

- Available both 3.7 m (12 ft) and 4.3 m (14 ft) moldboards.
- Optional thicker blades are also available for heavy duty application.

» Front blade

- The front blade is a front mounted equipment used for spreading materials such as gravel piles or blading at the front of the machine where is difficult to access with the moldboard.

» Ripper and scarifier

- Digs up hard material cannot be removed by the moldboard.
- The scarifier can accommodate up to 11 teeth, the ripper also accommodate up to 5 shanks and 9 scarifier teeth.



KOMATSU TOTAL SUPPORT



» Komatsu total support

» To keep your machine available and minimize operation cost when you need it, Komatsu Distributor is ready to provide variety of support before and after procuring the machine.

» Fleet recommendation

Komatsu Distributor can study the customer's job site and provide the most optimum fleet recommendation with detailed information to meet all of your application needs when you are considering to buy new machines or replace the existing ones from Komatsu.



» Product support

Komatsu Distributor gives the proactive support and secures the quality of the machinery that will be delivered.

» Parts availability

Komatsu Distributor is available for emergency inquiry by the customers for genuine, quality guaranteed Komatsu parts.

» Technical support

Komatsu product support service (technical support) are designed to help customer. Komatsu Distributor offers a variety of effective services how much Komatsu is dedicated to the maintenance and support of Komatsu machine.

- Preventive maintenance (PM) clinic
- Oil & wear analysis program

» Repair & maintenance service

Komatsu Distributor offers quality repair and maintenance service to the customer, utilizing and promoting Komatsu developed programs.

» Komatsu Reman (Remanufactured) components

Komatsu Reman products are the result of the implementation of the Komatsu global policy which establishes and agrees to reduce the owning, operating and total life cycle costs (LCC) to Komatsu's customer through high quality, prompt delivery and competitively priced in own remanufactured products (QDC).

SPECIFICATIONS



ENGINE

MODEL KOMATSU SAA6D107E-1.

TYPE Water-cooled, 4-cycle, direct injection.

ASPIRATION Turbocharged and air to air aftercooled.

NUMBER OF CYLINDERS 6.

BORE 107 mm.

STROKE 124 mm.

PISTON DISPLACEMENT 6.69 L.

GROSS HORSEPOWER (Manual mode).

P-MODE:

GEAR 1-3 120 kW 161 hp/2,000 min⁻¹.

GEAR 4-6 134 kW 179 hp/2,000 min⁻¹.

GEAR 7-8 146 kW 196 hp/2,000 min⁻¹.

E-MODE:

GEAR 1-3 107 kW 143 hp/2,000 min⁻¹.

GEAR 4-6 120 kW 161 hp/2,000 min⁻¹.

GEAR 7-8 134 kW 179 hp/2,000 min⁻¹.

NET FLYWHEEL HORSEPOWER* (Manual mode).

P-MODE:

GEAR 1-3 118 kW 158 hp/2,000 min⁻¹.

GEAR 4-6 131 kW 176 hp/2,000 min⁻¹.

GEAR 7-8 144 kW 193 hp/2,000 min⁻¹.

E-MODE:

GEAR 1-3 104 kW 140 hp/2,000 min⁻¹.

GEAR 4-6 118 kW 158 hp/2,000 min⁻¹.

GEAR 7-8 131 kW 176 hp/2,000 min⁻¹.

MAXIMUM TORQUE 880 N·m 89.8 kg·m/1,450 min⁻¹.

TORQUE RISE 29%.

FAN SPEED Max. 1,500 min⁻¹.

AIR CLEANER 2-stage, dry-type.

ELECTRICAL 24 V with 60 A alternator.

BATTERY 2, low maintenance plus, 12 V, 1146 cca.

*Net horsepower output for standard (SAE J1349) including air cleaner, alternator (Not charging), water pump, lubricating oil, fuel pump, muffler and fan running at minimum speed.
EPA Tier 3 and EU Stage 3A emissions certified.



TRANSMISSION AND TORQUE CONVERTER

FULL POWER SHIFT TRANSMISSION WITH INTEGRAL FREE WHEELING STATOR TORQUE CONVERTER AND LOCK-UP.

Gear	Forward	Reverse
1 st	3.4 km/h	4.5 km/h
2 nd	5.0 km/h	9.2 km/h
3 rd	7.0 km/h	20.3 km/h
4 th	10.2 km/h	40.3 km/h
5 th	15.4 km/h	-
6 th	22.3 km/h	-
7 th	30.6 km/h	-
8 th	44.3 km/h	-



TANDEM DRIVE

OSCILLATING WELDED BOX SECTION 520 mm x 202 mm.

SIDE WALL THICKNESS:

INNER 22 mm.

OUTER 19 mm.

WHEEL AXLE SPACING 1,525 mm.

TANDEM OSCILLATION 11° forward, 13° reverse.



FRONT AXLE

TYPE Solid bar construction welded steel sections.

GROUND CLEARANCE AT PIVOT 620 mm.

WHEEL LEAN ANGLE, RIGHT OR LEFT 16°.

OSCILLATION, TOTAL 32°.



REAR AXLE

ALLOY STEEL, HEAT TREATED, FULL FLOATING AXLE WITH LOCK/UNLOCK DIFFERENTIAL.



STEERING SYSTEM

HYDRAULIC POWER STEERING PROVIDING STOPPED ISO 5010.
ENGINE STEERING MEETING

MINIMUM TURNING RADIUS 7.3 m.

MAXIMUM STEERING RANGE, RIGHT OR LEFT 49°

ARTICULATION 25°



BRAKES

SERVICE BRAKES Foot operated, sealed oil disc brakes,
hydraulically actuated on four tandem wheels,
13,691 cm² total braking surface.

PARKING BRAKE Manually actuated, spring applied,
hydraulically, released caliper.



FRAME

FRONT FRAME STRUCTURE

HEIGHT 300 mm.

WIDTH 300 mm.

SIDE 12 mm.

UPPER, LOWER 25 mm.



DRAWBAR

A-SHAPED, U-SECTION PRESS FORMED AND WELDED CONSTRUCTION FOR MAXIMUM STRENGTH WITH A REPLACEABLE DRAWBAR BALL.

DRAWBAR FRAME 210 mm x 25 mm.



CIRCLE

SINGLE PIECE ROLLED RING FORGING. FOUR CIRCLE SUPPORT SHOES WITH REPLACEABLE WEAR SURFACE. CIRCLE TEETH HARDENED ON FRONT 180° OF CIRCLE.

DIAMETER (OUTSIDE) 1,530 mm.

CIRCLE REVERSING CONTROL HYDRAULIC ROTATION 360°



MOLDBOARD

HYDRAULIC POWER SHIFT FABRICATED FROM HIGH CARBON STEEL. INCLUDES REPLACEABLE METAL WEAR INSERTS, CUTTING EDGE AND END BITS.

CUTTING EDGE AND END BITS ARE HARDENED.

DIMENSIONS 3,710 mm x 645 mm x 19 mm.

ARC RADIUS 329 mm.

CUTTING EDGE 152 mm x 16 mm.

BLADE PULL

BASE GVW 8,795 kg.

STROKE WITH SCARIFIER GVW 8,860 kg.

WITH RIPPER GVW 9,675 kg.

BLADE DOWN PRESSURE

BASE GVW 6,675 kg.

WITH SCARIFIER GVW 7,585 kg.

WITH RIPPER GVW 8,010 kg.



BLADE RANGE

CIRCLE CENTER SHIFT

RIGHT 590 mm.

LEFT 550 mm.

MOLDBOARD SIDE SHIFT

RIGHT 820 mm.

LEFT 820 mm.

MAXIMUM SHOULDER REACH OUTSIDE REAR TIRES (FRAME STRAIGHT)

RIGHT 2,000 mm.

LEFT 1,960 mm.

MAXIMUM LIFT ABOVE GROUND 480 mm.

MAXIMUM CUTTING DEPTH 615 mm.

MAXIMUM BLADE ANGLE, RIGHT OR LEFT 90°.

BLADE TIP ANGLE 40° forward, 5° backward.



HYDRAULICS

LOAD-SENSING CLOSED CENTER HYDRAULICS WITH VARIABLE DISPLACEMENT PISTON PUMP. SHORT STROKE/LOW EFFORT DIRECT ACTING CONTROL VALVES WITH PRESELECTED MAXIMUM FLOW SETTING TO EACH FUNCTION. DOUBLE ACTING ANTI-DRIFT CHECK VALVES ON BLADE LIFT, TIP, CIRCLE SHIFT, ARTICULATION AND LEANING WHEELS.

OUTPUT (AT ENGINE RATED RPM) 200 L/min.

STANDBY PRESSURE 3.4 MPa 35 kg/cm².

MAXIMUM SYSTEM PRESSURE 20.6 MPa 250 kg/cm².



INSTRUMENT

ELECTRIC MONITORING SYSTEM WITH DIAGNOSTICS

GAUGES:

STANDARD Articulation, engine coolant temperature, fuel level, speed meter, T/M shift indicator, engine tachometer torque converter oil temperature.

WARNING LIGHTS/INDICATOR:

STANDARD Battery charge, brake oil pressure, inching temperature, directional indicator, engine oil pressure, hydraulic oil temperature, heater signal, lift arm lock, parking brake, differential lock, torque converter oil temperature, eco, P mode, rpm set, high beam, working lights.

OPTIONAL Blade accumulator.



CAPACITIES (REFILLING)

FUEL TANK 416 L.

COOLING SYSTEM 24.9 L.

CRANK CASE 23.1 L.

TRANSMISSION 45 L.

FINAL DRIVE 17 L.

TANDEM HOUSING (EACH) 57 L.

HYDRAULIC SYSTEM 69 L.

CIRCLE REVERSE HOUSING 7 L.



OPERATING WEIGHT (APPROXIMATE)

INCLUDES LUBRICANTS, COOLANT, FULL FUEL TANK:

TOTAL 15,135 kg.

ON REAR WHEELS 10,995 kg.

ON FRONT WHEELS 4,140 kg.

WITH FRONT MOUNTED SCARIFIER:

TOTAL 15,780 kg.

ON REAR WHEELS 11,075 kg.

ON FRONT WHEELS 4,705 kg.

WITH REAR MOUNTED RIPPER AND FRONT PUSH PLATE:

TOTAL 17,065 kg.

ON REAR WHEELS 12,095 kg.

ON FRONT WHEELS 4,970 kg.



SCARIFIER (OPTIONAL)

MIDDLE, V-TYPE

WORKING WIDTH 1,430 mm.

SCARIFYING DEPTH, MAXIMUM 205 mm.

SCARIFIER SHANK HOLDERS 11.

SCARIFIER SHANK HOLDERS SPACING 138 mm rear.

WORKING WIDTH 2,186 mm.

SCARIFYING DEPTH, MAXIMUM 165 mm.

SCARIFIER SHANK HOLDERS 9.

SCARIFIER SHANK HOLDERS SPACING 267 mm.



RIPPER (OPTIONAL)

RIPPING DEPTH, MAXIMUM 425 mm.

RIPPER SHANK HOLDERS 5.

RIPPER SHANK HOLDER SPACING 534 mm.

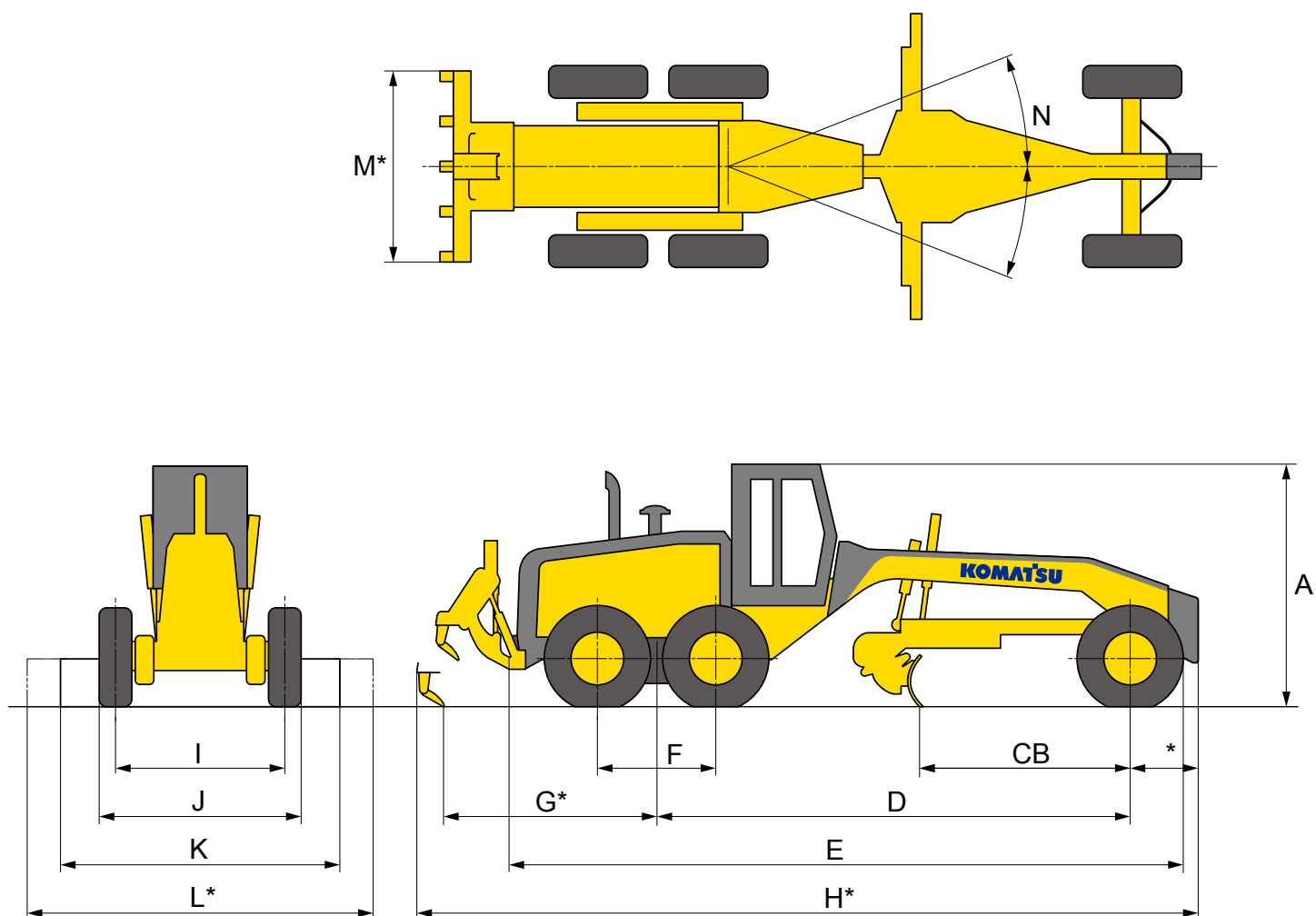
PENETRATION FORCE 8,380 kg.

PRY OUT FORCE 13,335 kg.

MACHINE LENGTH INCREASE, BEAM RAISED 765 mm.



DIMENSIONS



A	Height: Low profile cab	3,200 mm
B*	Center of front axle to counterweight (Pusher)	927 mm
C	Cutting edge to center of front axle	2,380 mm
D	Wheel base to center of tandem	6,270 mm
E	Front tire to rear bumper	8,995 mm
F	Tandem wheelbase	1,525 mm
G*	Center of tandem to back of ripper	2,780 mm
H*	Overall length	10,365 mm
I	Track of gauge	2,060 mm
J	Width of tires	2,485 mm
K	Width of standard moldboard	3,710 mm
L*	Width of optional moldboard	4,320 mm
M*	Ripper beam width	2,305 mm
N	Articulation, left or right	25°

*Optional



STANDARD EQUIPMENT

Tire	Rim size	Rim structure
14.00-24	8"	Multi-piece
14.00-24	9"	Single-piece
14.00-24	10"	Multi-piece
14.00R24	9"	Single-piece
14.00R24	10"	Multi-piece
17.5R25	13"	Single-piece



STANDARD EQUIPMENT

» Engine and related items

- » Double element air cleaner and dust indicator.
- » Engine: Komatsu SAA6D107E-1 turbocharged and air-to-air aftercooled, standard VHPC, 140-193 net horsepower.
- » Fuel line pre-filter.
- » Hood-sides for engine compartment.
- » Air intake extension.

» Electrical systems

- » Alarm, back-up.
- » Alternator, 60 A/24 V.
- » Battery, extreme duty, 1,146 cca each.
- » Dome light, cab.
- » Horn, electric.
- » Lights: back-up, stop, tail, directional, headlights (2 halogen type, front bar mounted).
- » Work lamps: front (4), rear (2).
- » Speedometer.
- » Indicators: parking brake, differential lock, blade float, lift arm lock, high beam, eco, engine P mode, cooling fan reverse, rpm set, engine oil pressure, battery charge, brake oil pressure, differential oil temperature.

» Operator environment

- » Cab: low profile enclosed ROPS/FOPS (ISO 3471/ISO 3449) with safety tinted glass windows with wiper and washer.
- » Air conditioner (R134a).
- » Console, adjustable with instrument panel monitoring system.
- » Mirrors: interior cab, right and left exterior mirrors.
- » Seat, deluxe adjustable cloth with retractable seat belt.
- » Sound suppression, cab and floor mat.
- » Wipers, front, doors, and rear.
- » 12 V (10 A) power port.

» Power train

- » Dual mode transmission (8F-4R) power shift, direct drive and torque converter with auto shift.
- » Axle, rear full floating, planetary type.
- » Service brakes, fully hydraulic wet disc.
- » Brake, parking, spring applied, hydraulic release, disc type.
- » Differential, lock/unlock.

» Work equipment and hydraulics

- » Circle, drawbar mounted, 360° rotation hydraulic blade lift and circle side shift.
- » Circle slip clutch.
- » Hydraulic system, closed center, load sensing.
- » Moldboard: 3,710 mm x 645 mm x 19 mm with replaceable end bits, throughhardened cutting edges.
- » 152 mm x 16 mm, hydraulic blade side shift and hydraulic tilt with anti-drift check valves. Maximum moldboard angle position 90° right & left.
- » Steering, full hydraulic with tilt steering wheel plus leaning front wheels and frame articulation w/ anti-drift check valves.
- » 9 section hydraulic control valve.
- » Blade lift float detent style, LH and RH.

» Other standard equipment

- » Painting, Komatsu standard color scheme.
- » Steps and handrails, rear, right, and left side.
- » Vandalism protection includes lockable access to fuel tank, battery cover, and engine side covers.
- » Tool box with lock.
- » Fuel tank, ground level access.
- » Battery disconnect switch.



OPTIONAL EQUIPMENT

- » Accumulators, anti-shock for blade lift.
- » 10 section hydraulic control valve.
- » Cab mount work lamps (4).
- » General toolkit.
- » Pre-cleaner, Turbo II.
- » Pusher plate, additional.
- » Additional heater.
- » AM/FM radio.

- » Moldboard.
 - 3,710 mm x 645 mm x 25 mm.
 - 4,320 mm x 645 mm x 19 mm.
 - 4,320 mm x 645 mm x 25 mm.
 with replaceable end bits, throughhardened cutting edges 152 mm x 16 mm.
- » Front blade.

- » Ripper, assembly, rear mounted.
- » Ripper shanks and points, 2 additional.
- » Scarifier, assembly, 11-shank type.
- » Scarifier, shanks and points (9) for ripper.
- » Warning light, amber colored rotating beacon, cab roof mounted.
- » Alternator, 90 A, 24 V.

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



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 enter or leave 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 Plus

SATELLITE MONITORING SYSTEM



FEATURES

» LOADING FREQUENCY

Information on the load factor of the equipment to know if it is performing in 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, and
service availability in your country.**



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