



GR-800EX



GR-600EX



GR-500EX



GR-300EX





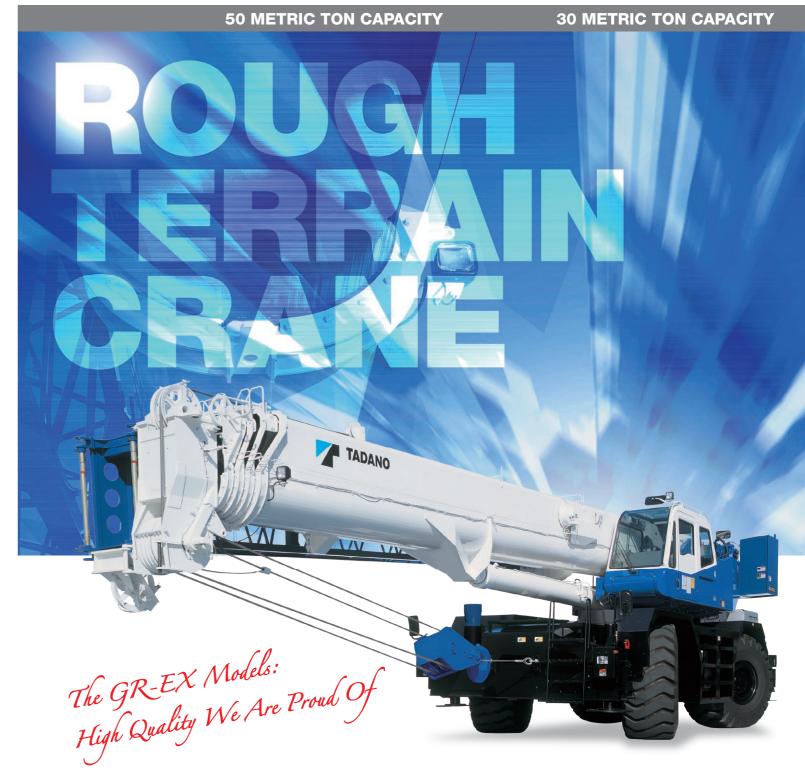
TADANO LTD. (International Division) 4-12, Kamezawa 2-chome, Sumida-ku Tokyo 130-0014, Japan Phone: 81-3-3621-7750 Fax: 81-3-3621-7785 http://www.tadano.com E-mail: info@tadano.com

GR-800EX GR-600EX

80 METRIC TON CAPACITY

60 METRIC TON CAPACITY

GR-500EX GR-300EX





New Generation of Cranes!

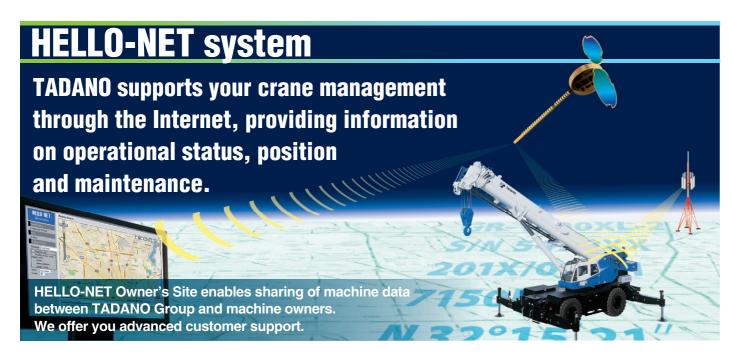
Our cranes can help you explore your future. At TADANO we are concerned about our environment.

Improving our cranes operations and specifications to meet this goal is important to us.

However user friendliness, operator comfort, safety and customer support are also part of our essential goals.

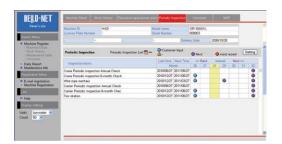
To this end TADANO has launched a new generation of crane that is friendly to the environment, our earth and our future.

Plenty of new functions incorporated!









Monitoring machine information from your computer

1. Work History

HELLO-NET Owner's Site displays the day-to-day operational status, mileage and remaining fuel for each machine equipped with a communication terminal. In addition, you can view a list displaying the number of hours of operation and the mileage of all your machines for any specified month.

2. Machine Position Data

Using HELLO-NET Owner's Site, you can check a machine's latest position (up until the previous day) on a map. Two types of position data, listed below, are transmitted automatically from your machine once every day. Work Site: The location where the machine's PTO has been activated (for one hour or more). Position at Day's End: The final location from which GPS was able to receive data on a given day.

3. Maintenance Information

You can check the maintenance timetable of your machines for periodical replacement parts and inspection schedule.

HELLO-NET supports the maintenance of your machine.



Telematics (machine data logging and monitoring system) with HELLO-NET via internet (*availability depends on countries). DETAILS: The availability of data communication systems, such as satellite or mobile communications which serve to widen the service area differs according to individual countries. Besides, there are some countries where the system itself is not in use yet. For details, please contact your distributor or our sales staff in charge.





Introducing Fuel Monitoring System

To the AML screen which watches safe operation, we provided a monitoring function of fuel consumption to help promote environmental preservation, which constantly displays fuel consuming conditions on the AML screen during the period of crane operation, standby and traveling to help support work in an eco-friendly way. In addition, such data can be displayed as a fuel consumption history to serve to control crane operating conditions. The systems thus serve to improve work efficiency and operation effectiveness

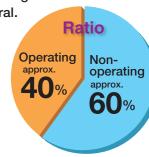
in an environmentally-friendly way including a reduction of fuel consumption and CO2 emissions as well as a lowered level of noise.

Two functional devices to reduce fuel consumption

TADANO aims to reduce fuel consumption by means of its newly developed technologies with due consideration given to the length of actual operating hours as well as a non-operating time (when the crane is in a state of standby) with the operating lever returned to neutral. In this relation, the average ratio between the operating hours

and the non-operating time has turned out to be approximately 40 % to 60 % according to the results of our investigation.

So, based on the above, TADANO made every effort to reduce fuel consumption for each case by means of the two differently functioning devices, and successfully achieved the objectives;





Eco mode system - Works to reduce fuel consumption while the crane is in operation.



Positive control system - Works to reduce fuel consumption when the crane is on standby.

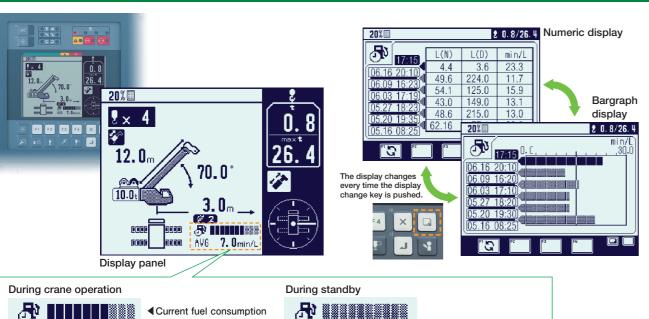
The Environmentally Conscious Crane

Fuel monitoring system

The system constantly monitors and displays on the AML screen information on fuel consuming conditions. Checking the indicator enables you to prevent wasteful acceleration and wasteful standby.

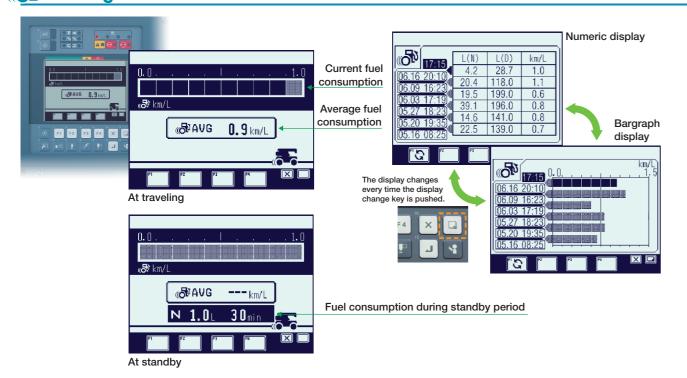
■ Average fuel consumption





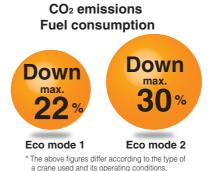
N 1. OL 25min

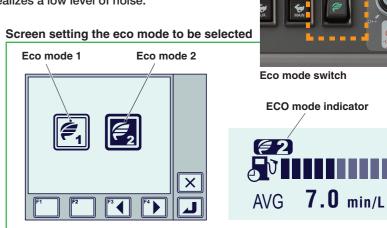
Driving

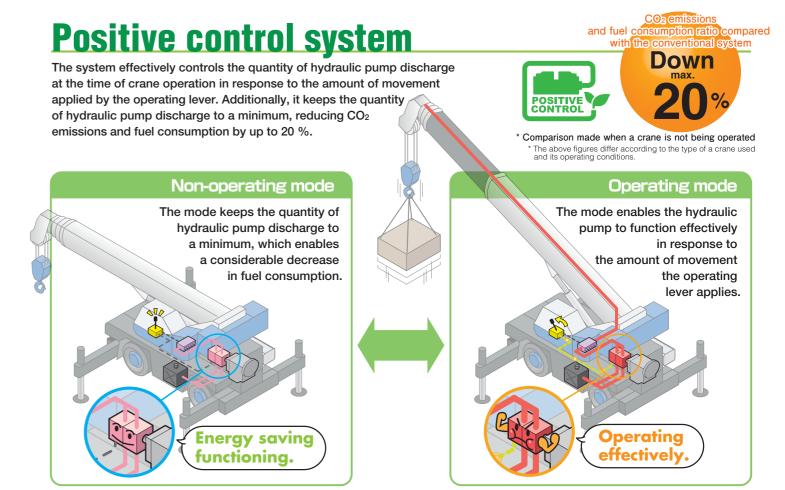


Eco mode system

The system controls the maximum engine speed during crane operation. In addition, due to curbing an unnecessary rise in the engine speed that occurs when accelerated to excess, the system enables CO₂ emissions and fuel consumption to decrease by max. 22 % with the Eco mode 1 employed, and max. 30 % when the Eco mode 2 is applied. In addition, it realizes a low level of noise.







 $\mathbf{05}$



Assist cylinder for jib

(GR-800EX, GR-600EX, GR-500EX)

When mounting and stowing the jib, assistant hydraulic cylinders ensure effective operation, thus increasing the work efficiency of jib mounting and stowing.









Two winches with cable follower

Both the main winch and the auxiliary winch with powerful line pull operate at high speeds, thus serving to enhance work efficiency.

*Maximum permissible line pull may be affected by wire rope strength.



Two telescoping modes [I] & [II]

(GR-800EX, GR-600EX)

The operator can select either of the two boom telescoping modes based on the designated job plan.

Normal operation is performed with the Mode [I]. However, when the stability of performance needs to be raised in particular, a boom telescoping system to have the boom weight lighter can be employed by means of the Mode [II].



Mode [I]

 $\label{eq:model} \begin{tabular}{ll} Mode [\ I\] is extension of 2nd section only. \\ Then follows the synchronized extension of 3rd , \\ 4th and 5th sections. \\ \end{tabular}$



Mode [II]

Mode $[\, \mathbb{I} \,]$ is synchronized extension of 3rd , 4th and 5th sections.

Then 2nd section extends independently.

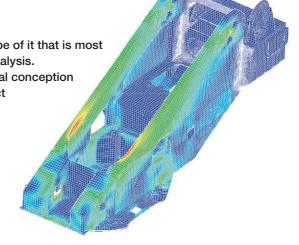
New crane structure (GR-800EX, GR-600EX, GR-500EX)

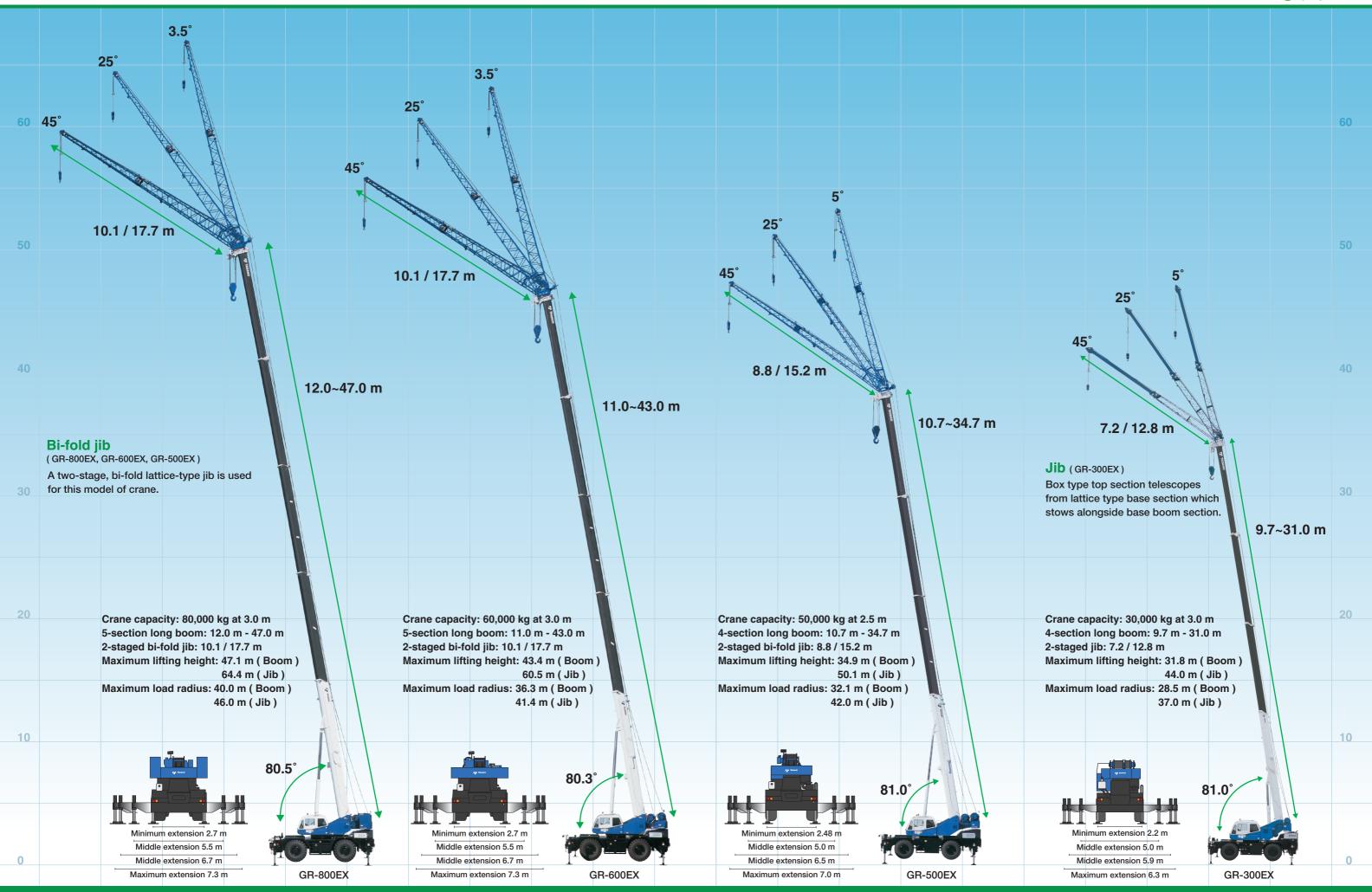
When developing the crane structure, we attached importance to the shape of it that is most suited for crane operation, and realized it by making full use of a *FEM analysis.

As for the slewing frame, we adopted a new structure of TADANO's original conception to secure its high rigidity as well as keeping the configuration in a compact

style along with the overall height being retained at a desired level.

*FEM : Finite Element Method





A : Over-front B : Over-rear

Automatic moment limiter [AML-C]

Tadano's new AML-C is easy to use. It allows the operator to simultaneously monitor: boom angle, boom length, elevating cylinder operating pressure, the extended length of the outriggers, slewing position, rated lifting capacity and present hook weight.

All of this enables the AML-C to move easily through lifting capacity changes without changing configurations and codes to make a lift.

The AML-C provides both audio and visual warnings when a condition exists that will overload the crane and automatically employs our soft stop function to avoid shock loads.

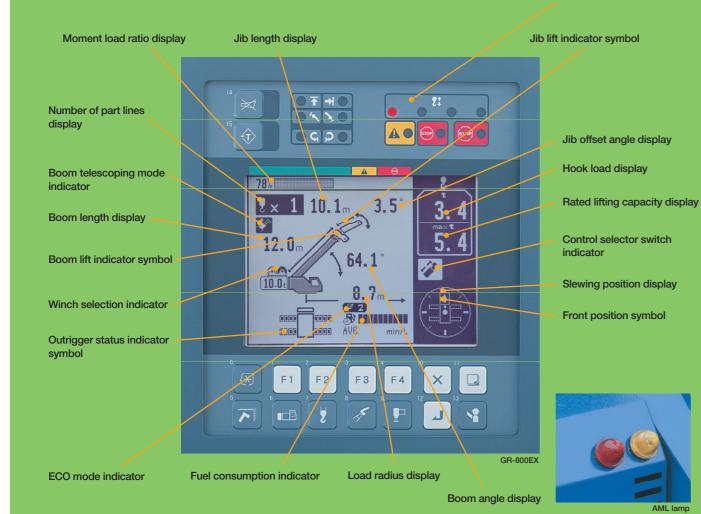
The AML-C with "OPERATOR" pre-set working range limits to deliver safe smooth operations for years to come.

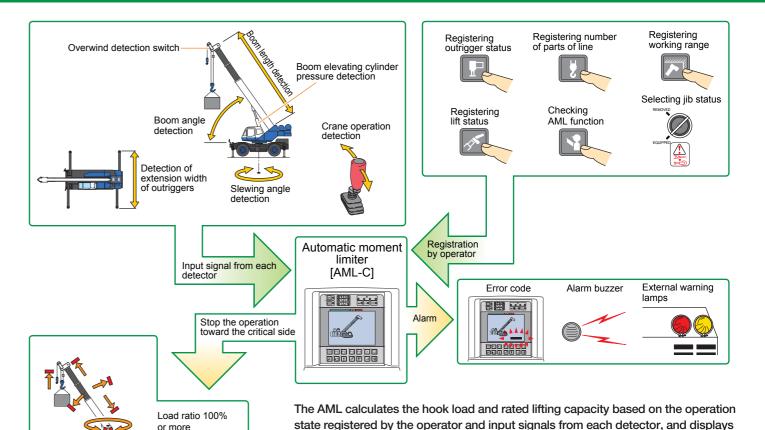


Drum Indicator

When the winch drum rotates, the four drum indicators flash sequentially, and show that the drum is rotating. The moving distance of the hook block per one flash of the indicator is approximately 20 cm to 30 cm.







them as a load ratio. When the load ratio reaches or exceeds 100%, the AML stops the crane operations toward the critical sides and warns with error codes and buzzer. Working range limit (The AML is a safety device designed to prevent accidents such as a machine overturning and damage caused by overload.)

Control of asymmetric extension width of outriggers

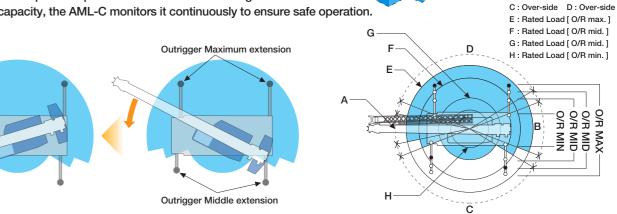
or more

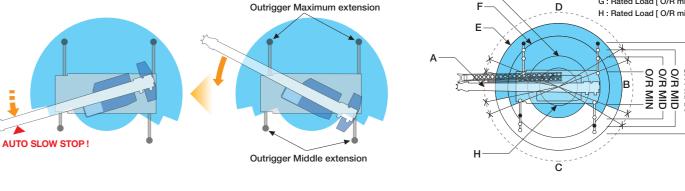
Overwind

When operating the crane with the asymmetric outriggers extended, the AML-C automatically detects the extension width of outriggers at the front and rear, and to the left and right of the crane to offer maximum work value through each area.

When slewing the boom from the longer outrigger area to the shorter outrigger area, the AML-C automatically detects the motion and displays the maximum capacity according to each the extension widths of the outriggers, and brings the motion to a slow stop before it reaches the limits of the allowed capacity.

Therefore, even if the operator operates the crane without being aware of a change in the capacity, the AML-C monitors it continuously to ensure safe operation.





Operator Comfort

The crane cabin provides improved livability and offers the operator a more comfortable working environment.



Photo: GR-600EX



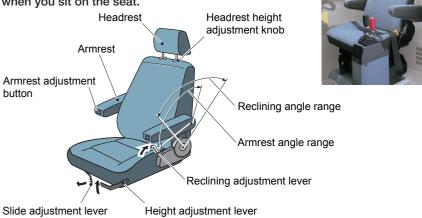
Air conditioner Hot-water heater and air conditioning.

The crane operating levers are of finger control type and surely and steadily respond to the operator.



Seat Adjustment

Adjust the seat to a position where you can press down far enough so that you can operate all the devices easily when you sit on the seat.



Adjustment of control lever stand

You can adjust the position of the control lever stand in 3 stages. Before entering or leaving the cab, or after completing operations, set the control lever on the left to the stowing position. While pulling the unlock lever, adjust the position of the control lever stand.

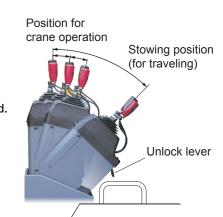


Photo: GR-800EX, GR-600EX

Wider steps and hand rails







Left side steps



Right side steps







We developed and built the carrier frame so that lightness in weight could be compatible with its high rigidity at an advanced level of performance. As a result, the rigidity was enhanced by up to *35 %, enabling highly stabilized maneuverability for the new models.

*Compared with our conventional crane models

High Performance Engine



MITSUBISHI 6M60-TL

GR-800EX, GR-600EX, GR-500EX

Model MITSUBISHI 6M60-TL

Type 4 cycle, turbo charged and after cooled,

6 cylinder in line, direct injection, water cooled diesel engine.

7,545 cm³ Piston displacement

200 kW at 2,600 min⁻¹ {rpm} Max. output Max. torque 785 N-m at 1,400 min⁻¹ {rpm}

*EURO SPEC

Model Cummins QSB 6.7 [EUROMOT ⅢB] 4 cycle, turbo charged and after cooled, Type

6 cylinder in line, direct injection, water cooled diesel engine.

843 N-m at 1,600 min-1 {rpm}

Piston displacement 6,700 cm3

Max. output 194 kW at 2,500 min-1 {rpm}

GR-300EX

Model Cummins QSB6.7 *EUROMOT IIIB (*EURO SPEC)

Type 4 cycle, turbo charged and after cooled, 6 cylinder in line, direct injection,

Max. torque

water cooled diesel engine.

Piston displacement 6,700 cm³

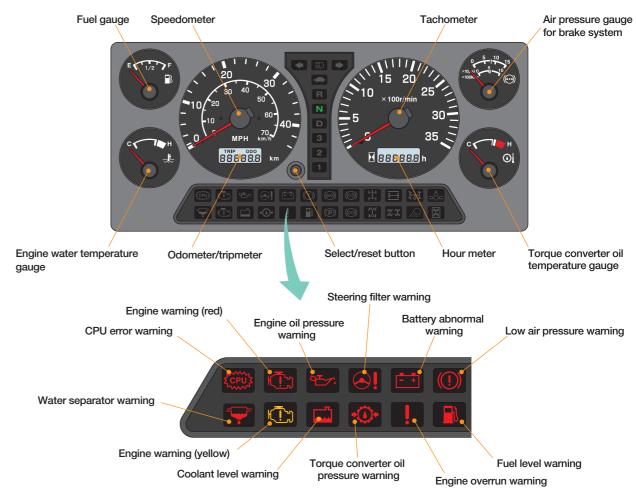
160 kW at 2,500 min⁻¹ {rpm} Max. output 843 N-m at 1,600 min⁻¹ {rpm} Max. torque



Cummins QSB6.7



Photo: GR-600EX



Smooth Transmission

Electronically controlled, fully automatic transmission.

Torque converter driving full power shift with driving axle selector.

6 forward and 2 reverse speeds, constant mesh.

GR-800EX, GR-600EX GR-500EX

3 speeds - High range - 2 wheel drive; 4 wheel drive 3 speeds - Low range - 4 wheel drive

4 speeds - High range - 2 wheel drive; 4 wheel drive

4 speeds - Low range - 4 wheel drive

GR-300EX

4 speeds - High range - 2 wheel drive; 4 wheel drive

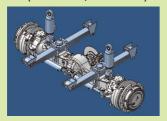
4 speeds - Low range - 4 wheel drive

Fastest Travel Speed (GR-500EX, GR-300EX)

Maximum travel speed 50 km/h *25 km/h *EURO SPEC GR-500EX: Mitsubishi Engine + 6 forward speeds transmission GR-300EX: Cummins Engine + 6 forward speeds transmission

Comfortable Suspension (GR-500EX, GR-300EX)

Semi-elliptic leaf springs with hydraulic lockout device provide good riding comfort.



Axle

Front: Full floating type, steering and driving axle with planetary reduction.

Rear: Full floating type, steering and driving axle with planetary reduction and non-spin rear differential.

Brake Systems

Service: Air over hydraulic disc brakes on all 4 wheels. Parking/Emergency: Spring applied-air released brake acting on input shaft of front axle.

Auxiliary: Electropneumatic operated exhaust brake.

4 Steering Mode

Hydraulic power steering controlled by steering wheel.



	 	GR-800EX	GR-600EX	GR-500EX	GR-300EX
Traveling on roads Driving in work site	2 wheel front Front wheel only steering. This steering method is the same as that of general vehicles.				
Driving in work site	2 wheel rear Rear wheel only steering. The rear end of the vehicle swings outward like forklifts. Useful for easy approach of a narrow area.			_	_
	4 wheel coordinated Front and rear wheels are steered in opposite directions. The turning radius is decreased. Useful for movement in a small area.				
	4 wheel crab Front and rear wheels are steered in the same direction. The vehicle can move diagonally. Useful for pulling over.				

GR-800EX

Max. traveling speed: 36 km/h *25 km/h *EURO SPEC

Overall length: approx. 14,375 mm Overall width: approx. 3,315 mm Overall height: approx. 3,795 mm

Min. turning radius (at center of extreme outer tire)

2-wheel steering: 11.9 m 4-wheel steering: 6.8 m

GR-600EX

Max. traveling speed: 36 km/h *25 km/h *EURO SPEC

Overall length: approx. 13,380 mm Overall width: approx. 3,315 mm Overall height: approx. 3,790 mm

Min. turning radius (at center of extreme outer tire)

2-wheel steering: 11.9 m 4-wheel steering: 6.8 m

GR-500EX

Max. traveling speed: 50 km/h *25 km/h *EURO SPEC

Overall length: approx. 13,055 mm Overall width: approx. 2,980 mm Overall height: approx. 3,765 mm

Min. turning radius (at center of extreme outer tire)

2-wheel steering: 11.7 m 4-wheel steering: 6.7 m

GR-300EX

Max. traveling speed: 50 km/h

*25 km/h *EURO SPEC

Overall length: approx. 11,245 mm Overall width: approx. 2,620 mm Overall height: approx. 3,535 mm

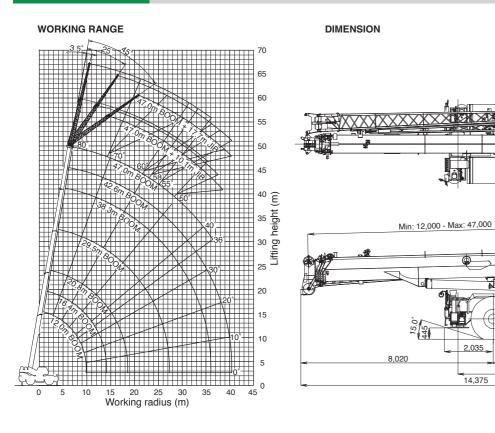
Min. turning radius (at center of extreme outer tire)

2-wheel steering: 9.8 m 4-wheel steering: 5.8 m

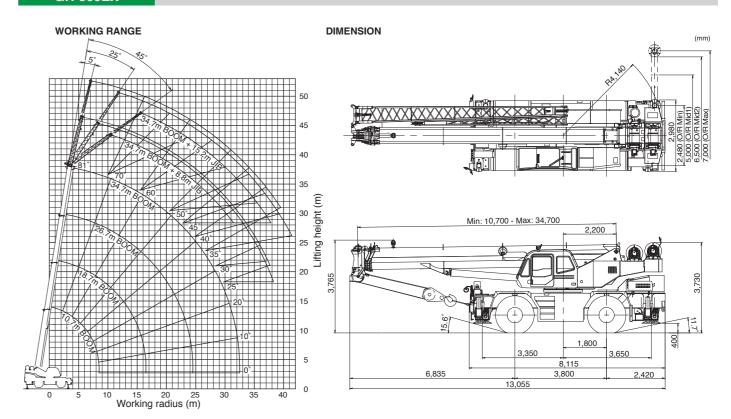




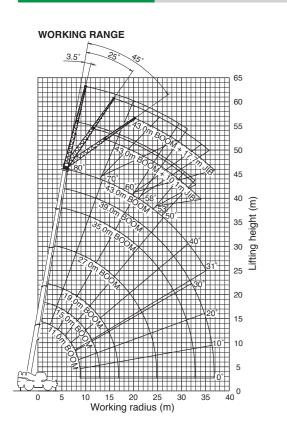
GR-800EX



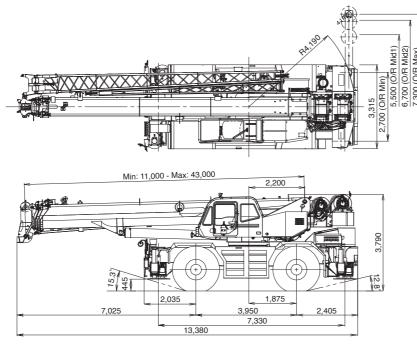
GR-500EX



GR-600EX



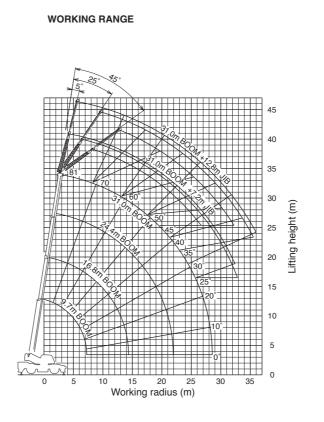
DIMENSION

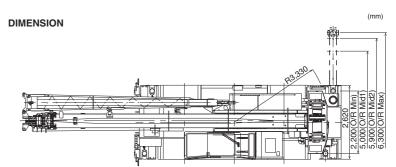


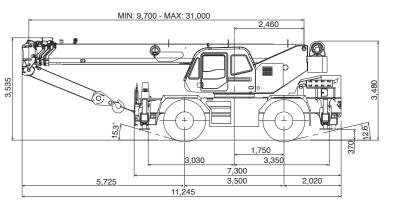
1,875

7,330

GR-300EX







MODEL	GR-800EX	GR-600EX
MAXIMUM CAPACITY	80,000 kg at 3.0 m	60,000 kg at 3.0 m
TRAVELING SPEED (MAX.) GRADEABILITY (TAN θ)	36 km/h *25 km/h *EURO SPEC 94 % (at stall) *30 % (17°: MITSUBISHI 6M60-TL)	36 km/h *25 km/h *EURO SPEC 147 % (at stall) *30 % (17°: MITSUBISHI 6M60-TL)
GRADEABILITY (TAIN ()	**57 % (30°: Cummins QSB6.7) *EURO SPEC	**57 % (30°: Cummins QSB6.7) *EURO SPEC
	*Machine should be operated within the limit of engine crankcase design.	*Machine should be operated within the limit of engine crankcase design.
WEIGHT Gross vehicle mass	51,410 kg	43,735 kg
-front axle	24,325 kg	21,555 kg
-rear axle	27,085 kg	22,180 kg
MIN. TURNING RADIUS	11.9 m (2-wheel steering), 6.8 m (4-wheel steering)	11.9 m (2-wheel steering), 6.8 m (4-wheel steering)
BOOM	(at center of extreme outer tire) 5-section full length power telescoping boom.	(at center of extreme outer tire) 5-section full length power telescoping boom.
Fully retracted length	12.0 m	11.0 m
Fully extended length	47.0 m	43.0 m
Extension speed	35.0 m in 160 seconds	32.0 m in 128 seconds
Elevation speed	20° to 60° in 46 seconds	20° to 60° in 46 seconds
JIB	2-staged slewing around boom extension.	2-staged slewing around boom extension.
	Triple offset (3.5°/25°/45°) type.	Triple offset (3.5°/25°/45°) type.
Lanath	Assistant cylinders for mounting and stowing.	Assistant cylinders for mounting and stowing.
Length MAIN WINCH	10.1 m and 17.7 m Variable speed type with grooved drum driven by	10.1 m and 17.7 m Variable speed type with grooved drum driven by
WAIN WINCH	hydraulic axial piston motor.	hydraulic axial piston motor.
Single line pull	64.7 kN {6,600 kgf}	54.9 kN {5,600 kgf}
Single line speed	149 m / min. (at the 4th layer)	136 m / min. (at the 4th layer)
Wire rope	19 mm (Diameter)	19 mm (Diameter)
AUXILIARY WINCH	Variable speed type with grooved drum driven by	Variable speed type with grooved drum driven by
	hydraulic axial piston motor.	hydraulic axial piston motor.
Single line pull	64.7 kN {6,600 kgf}	54.9 kN {5,600 kgf}
Single line speed	149 m / min. (at the 4th layer)	136 m / min. (at the 4th layer)
Wire rope	19 mm (Diameter) 1.5 min-1 {rpm}	19 mm (Diameter)
SLEWING SPEED Tail slewing radius	4,190 mm	2.4 min ⁻¹ {rpm} 4.190 mm
HYDRAULIC SYSTEM	Pumps 2 variable piston pumps for telescoping,	Pumps 2 variable piston pumps for telescoping,
TITOTINGEIG GTGTEM	elevating and winches.	elevating and winches.
	Tandem gear pump for steering, slewing	Tandem gear pump for steering, slewing
	and optional equipment.	and optional equipment.
	Control valves	Control valves
	Multiple valves actuated by pilot pressure	Multiple valves actuated by pilot pressure
	with integral pressure relief valves.	with integral pressure relief valves.
	Circuit Equipped with air cooled type oil cooler.	Circuit Equipped with air cooled type oil cooler.
	Oil pressure appears on AML display for main circuit.	Oil pressure appears on AML display for main circuit.
	Hydraulic oil tank capacityapprox. 840 liters	Hydraulic oil tank capacityapprox. 840 liters
TADANO Automatic	Main unit in crane cab gives audible and visual warning of	Main unit in crane cab gives audible and visual warning of
Moment Limiter	approach to overload. Automatically cuts out crane motions	approach to overload. Automatically cuts out crane motions
(Model: AML-C)	before overload. With working range (load radius and/or	before overload. With working range (load radius and/or
,	boom angle and/or tip height and/or slewing range) limit	boom angle and/or tip height and/or slewing range) limit
	function.	function.
	Following functions are displayed.	Following functions are displayed.
	· Moment load as percentage · Number of parts of line of rope	·Moment load as percentage ·Number of parts of line of rope
	Boom angle ·Boom length ·Load radius Outriggers position ·On-tire indicator ·Actual hook load	·Boom angle ·Boom length ·Load radius ·Outriggers position ·On-tire indicator ·Actual hook load
	Permissible load ·Boom position indicator	Permissible load ·Boom position indicator
	· Potential hook height · Slewing angle	Potential hook height · Slewing angle
	·Main hydraulic oil pressure	Main hydraulic oil pressure
	· Jib length and jib offset angle (only when jib in operation)	Jib length and jib offset angle (only when jib in operation)
OUTRIGGERS	4-hydraulically operated H-type outriggers.	4-hydraulically operated H-type outriggers.
	Each outrigger controlled simultaneously or independently	Each outrigger controlled simultaneously or independently
	from the crane cab.	from the crane cab.
Estate and and socialists	Equipped with extension width detector for each outrigger.	Equipped with extension width detector for each outrigger.
Extended width	Max 7,300 mm, Middle 6,700 mm & 5,500 mm Minimum 2,700 mm, Float size (Diameter) 600 mm	Max 7,300 mm, Middle 6,700 mm & 5,500 mm Minimum 2,700 mm, Float size (Diameter) 600 mm
CARRIER	Rear engine, left-hand steering, driving axle 2-way selected	Rear engine, left-hand steering, driving axle 2-way selected
O/ II II II II II I	type (by manual switch).	type (by manual switch).
	4 x 2 front drive, 4 x 4 front and rear drive	4 x 2 front drive, 4 x 4 front and rear drive
ENGINE	ModelMITSUBISHI 6M60-TL	Model MITSUBISHI 6M60-TL
	*Cummins QSB 6.7 [EUROMOT IIIB] *EURO SPEC	*Cummins QSB 6.7 [EUROMOT IIIB] *EURO SPEC
	Type 4 cycle, turbo charged and after cooled,	Type 4 cycle, turbo charged and after cooled,
	6 cylinder in line, direct injection, water cooled	6 cylinder in line, direct injection, water cooled
	diesel engine.	diesel engine.
	Piston displacement 7,545 cm³	Piston displacement 7,545 cm ³
	*6,700 cm³ *EURO SPEC Max_output 200 kW at 2,600 min: {rpm}	*6,700 cm³ *EURO SPEC
	Max. output 200 kW at 2,600 min ⁻¹ {rpm} *194 kW at 2,500 min ⁻¹ {rpm} *EURO SPEC	Max. output 200 kW at 2,600 min ⁻¹ {rpm} *194 kW at 2,500 min ⁻¹ {rpm} *EURO SPEC
	Max. torque 785 N-m at 1,400 min ⁻¹ {rpm}	Max. torque 785 N-m at 1,400 min ⁻¹ {rpm}
	*843 N-m at 1,600 min ⁻¹ {rpm} *EURO SPEC	*843 N-m at 1,600 min ⁻¹ {rpm} *EURO SPEC
TRANSMISSION	Electronically controlled full automatic transmission.	Electronically controlled full automatic transmission.
STEERING	Hydraulic power steering controlled by steering wheel.	Hydraulic power steering controlled by steering wheel.
	4 steering modes available:	4 steering modes available:
	2-wheel front, 2-wheel rear	2-wheel front, 2-wheel rear
OLIODENICIO:	4-wheel coordinated, 4-wheel crab	4-wheel coordinated, 4-wheel crab
SUSPENSION	Front Rigid mounted to the frame.	Front Rigid mounted to the frame.
TIDES	Rear Pivot mounted with hydraulic lockout cylinders.	Rear Pivot mounted with hydraulic lockout cylinders.
TIRES FUELTANK CAPACITY	29.5 - 25 34PR(OR), Single x 4	29.5 - 25 22PR(OR) or 29.5–25 28PR(OR), Single x 4
I OLL IAINN CAFACILI	300 liters	300 liters

MODEL	GR-500EX	GR-300EX
MAXIMUM CAPACITY	50,000 kg at 2.5 m	30,000 kg at 3.0 m
TRAVELING SPEED (MAX.)	50 km/h *25 km/h *EURO SPEC	50 km/h *25 km/h *EURO SPEC
GRADEABILITY (TAN θ)	69 % (at stall) *30 % (17°: MITSUBISHI 6M60-TL)	78 % (at stall) *57 % (30°: Cummins QSB6.7)
	**57 % (30°: Cummins QSB6.7) *EURO SPEC *Machine should be operated within the limit of engine crankcase design.	*Machine should be operated within the limit of engine crankcase design.
WEIGHT Gross vehicle mass	33,920 kg *33,420 kg	*Macrime should be operated within the limit of engine crankcase design. 26,920 kg *27,150 kg
-front axle	17,360 kg *16,440 kg	13,170 kg *13,120 kg
-rear axle	16,560 kg *16,980 kg *EURO SPEC	13,750 kg *14,030 kg *EURO SPEC
MIN. TURNING RADIUS	11.7 m (2-wheel steering), 6.7 m (4-wheel steering)	9.8 m (2-wheel steering), 5.8 m (4-wheel steering)
	(at center of extreme outer tire)	(at center of extreme outer tire)
BOOM	4-section full length power telescoping boom.	4-section full length power telescoping boom
Fully retracted length	10.7 m	9.7 m
Fully extended length	34.7 m	31.0 m
Extension speed Elevation speed	24.0 m in 72 seconds 20° to 60° in 27 seconds	21.3 m in 91 seconds 20° to 60° in 22 seconds
JIB	2-staged slewing around boom extension.	2-staged slewing around boom extension.
015	Triple offset (5°/25°/45°) type.	Triple offset (5°/ 25°/ 45°) type.
	Assistant cylinders for mounting and stowing.	7.2 m and 12.8 m
Length	8.8 m and 15.2 m	
MAIN WINCH	Variable speed type with grooved drum driven by	Variable speed type with grooved drum driven by
	hydraulic axial piston motor.	hydraulic axial piston motor
Single line pull	54.9 kN {5,600 kgf}	39.2 kN {4,000 kgf}
Single line speed	136 m / min. (at the 4th layer)	125 m / min. (at the 4th layer)
Wire rope	19 mm (Diameter)	16 mm (Diameter)
AUXILIARY WINCH	Variable speed type with grooved drum driven by	Variable speed type with grooved drum driven by
	hydraulic axial piston motor.	hydraulic axial piston motor
Single line pull	54.9 kN {5,600 kgf}	39.2 kN {4,000 kgf}
Single line speed	118 m/min. (at the 2nd layer)	125 m / min.(at the 4th layer)
Wire rope	19 mm (Diameter)	16 mm (Diameter)
SLEWING SPEED	2.7 min-1 {rpm}	3.2 min ⁻¹ {rpm}
Tail slewing radius	4,140 mm	3,330mm
HYDRAULIC SYSTEM	Pumps 2 variable piston pumps for telescoping,	Pumps 2 variable piston pumps for telescoping,
	elevating and winches.	elevating and winches.
	Tandem gear pump for steering, slewing	Tandem gear pump for steering, slewing
	and optional equipment. Control valves	and optional equipment.
	Multiple valves actuated by pilot pressure	Control valves
	with integral pressure relief valves.	Multiple valves actuated by pilot pressure with integral pressure relief valves.
	Circuit Equipped with air cooled type oil cooler.	Circuit Equipped with air cooled type oil cooler.
	Oil pressure appears on AML display	Oil pressure appears on AML display
	for main circuit.	for main circuit.
	Hydraulic oil tank capacityapprox. 560 liters	Hydraulic oil tank capacity approx. 380 liters
TADANO Automatic	Main unit in crane cab gives audible and visual warning of	Main unit in crane cab gives audible and visual warning of
Moment Limiter	approach to overload. Automatically cuts out crane motions	approach to overload. Automatically cuts out crane motions
(Model: AML-C)	before overload. With working range (load radius and/or	before overload. With working range (load radius and/or
(MOGOL 7 WILL O)	boom angle and/or tip height and/or slewing range) limit	boom angle and/or tip height and/or slewing range) limit
	function.	function.
	Following functions are displayed.	Following functions are displayed.
	·Load as percentage ·Number of parts of line of rope	·Load as percentage ·Number of parts of line of rope
	·Boom angle ·Boom length ·Load radius	·Boom angle ·Boom length ·Load radius
	·Outriggers position ·On-tire indicator ·Actual hook load	·Outriggers position ·On-tire indicator ·Actual hook load
	·Permissible load ·Boom position indicator	·Permissible load ·Boom position indicator
	·Potential hook height ·Slewing angle	·Potential hook height ·Slewing angle
	·Main hydraulic oil pressure	·Main hydraulic oil pressure
	Jib length and jib offset angle (only when jib in operation)	· Jib length and jib offset angle (only when jib in operation)
OUTRIGGERS	4-hydraulically operated H-type outriggers.	4-hydraulically operated H-type outriggers.
	Each outrigger controlled simultaneously or independently	Each outrigger controlled simultaneously or
	from the crane cab.	independently from the cab.
Entered advisory	Equipped with extension width detector for each outrigger.	Equipped with extension width detector for each outrigger.
Extended width	Max 7,000 mm, Middle 6,500 mm & 5,000 mm Minimum 2,480 mm, Float size (Diameter) 500 mm	Max6,300 mm, Middle 5,900 mm & 5,000mm
CARRIER	Rear engine, left-hand steering, driving axle 2-way selected	Minimum 2,200 mm, Float size (Diameter) 400 mm Rear engine, left hand steering, driving axle 2-way
CARRIER	type (by manual switch).	selected type (by manual switch).
	4 x 2 front drive, 4 x 4 front and rear drive	4 x 2 front drive, 4 x 4 front and rear drive.
ENGINE	Model MITSUBISHI 6M60-TL	Model Cummins QSB6.7
LIVUINL	*Cummins QSB 6.7 [EUROMOT IIIB] *EURO SPEC	*Cummins QSB 6.7 [EUROMOT IIIB] *EURO SPEC
	Type 4 cycle, turbo charged and after cooled,	Type 4 cycle, turbo charged and after cooled, 6
	6 cylinder in line, direct injection, water cooled	cylinder in line, direct injection, water cooled
	diesel engine.	diesel engine.
	Piston displacement 7,545 cm ³	Piston displacement6,700 cm ³
	*6,700 cm³ *EURO SPEC	Max. output 160 kW at 2,500 min ⁻¹ {rpm}
	Max. output 200 kW at 2,600 min-1 {rpm}	Max. torque 843 N-m at 1,600 min ⁻¹ {rpm}
	*194 kW at 2,500 min-1 {rpm} *EURO SPEC	
	Max. torque 785 N-m at 1,400 min-1 {rpm}	
	*843 N-m at 1,600 min-1 {rpm} *EURO SPEC	
TRANSMISSION	Electronically controlled full automatic transmission.	Electronically controlled full automatic transmission.
STEERING	Hydraulic power steering controlled by steering wheel.	Hydraulic power steering controlled by steering wheel.
	3 steering modes available:	3 steering modes available:
	2-wheel front,	2-wheel front,
	4-wheel coordinated, 4-wheel crab	4-wheel coordinated, 4-wheel crab
SUSPENSION	Front Semi-elliptic leaf springs with hydraulic lockout device.	Front Semi-elliptic leaf springs with hydraulic lockout device.
SUSPENSION	Rear Semi-elliptic leaf springs with hydraulic lockout device.	Rear Semi-elliptic leaf springs with hydraulic lockout device.
SUSPENSION TIRES FUEL TANK CAPACITY		

*Some specifications are subject to change