

GR-600EX



Crane capacity :
60,000 kg at 3.0 m

5-section long boom :
11.0 m - 43.0 m

2-staged bi-fold jib :
10.1 / 17.7 m

Maximum lifting height :
43.4 m (Boom)
60.5 m (Jib)

Maximum load radius :
39.6 m (Boom)
50.3 m (Jib)

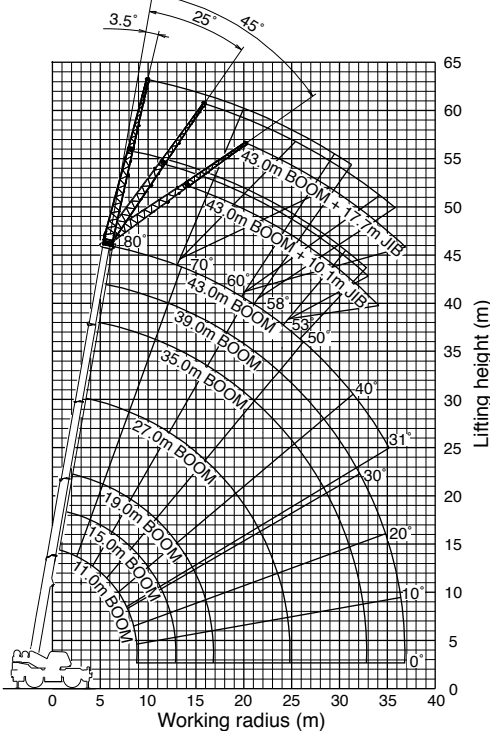
MODEL : GR-600EX

SPECIFICATIONS

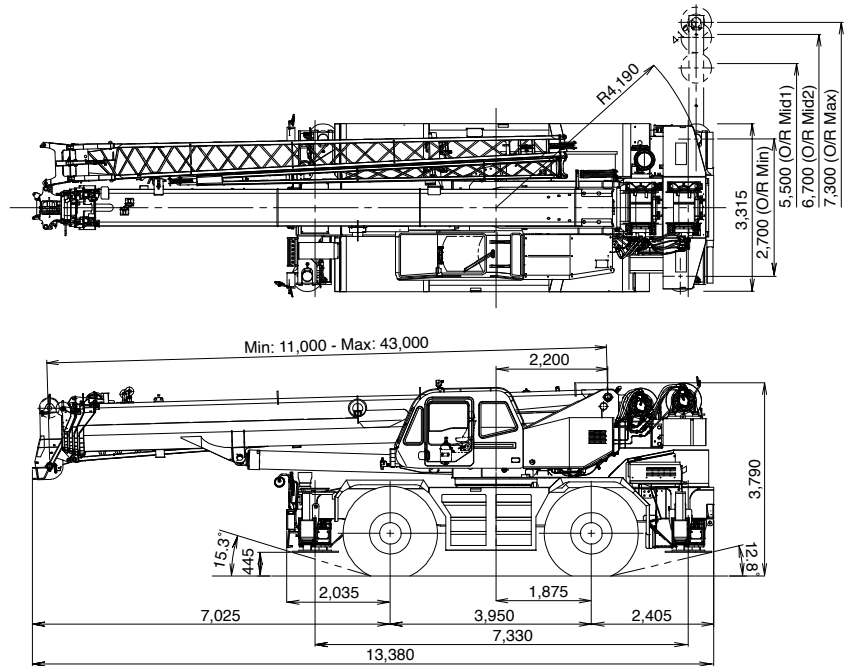
MAXIMUM CAPACITY	60,000 kg at 3.0 m
PERFORMANCE	*EUROSPEC Max.traveling Speed 36 km/h *25 km/h Gradeability (tan θ) 147 % (at stall) ※ 30 % *57 % ※Machine should be operated within the limit of engine crackcase design (17°: MITSUBISHI 6M60-TL 30°: Cummins QSB6.7)
WEIGHT Gross vehicle mass	43,735 kg
-front axle	21,555 kg
-rear axle	22,180 kg
MIN.TURNING RADIUS	11.9 m (2-wheel steering) 6.8 m(4-wheel steering) (at center of extreme outer tire)
BOOM	5-section full length power telescoping boom.
Fully retracted length	11.0 m
Fully extended length	43.0 m
Extension speed	32.0 m in 128 s
Elevation speed	20° to 60° in 46 s
JIB	2-staged swingaround boom extension. Triple offset(3.5°/25°/45°) type. Assistant cylinders for mounting and stowing.
Length	10.1 m and 17.7 m
MAIN WINCH	Variable speed type with grooved drum driven by hydraulic axial piston motor.
Single line pull	54.9 kN {5,600 kgf}
Single line speed	136 m/min. (at the 4th layer)
Wire rope	19 mm (Diameter)
AUXILIARY WINCH	Variable speed type with grooved drum driven by hydraulic axial piston motor.
Single line pull	54.9 kN {5,600 kgf}
Single line speed	118 m/min. (at the 2nd layer)
Wire rope	19 mm (Diameter)
SWING speed	2.4 min ⁻¹ {rpm}
Tail swing radius	4.190 m
HYDRAULIC SYSTEM	Pumps... 2 variable piston pumps for telescoping, elevating and winches. Tandem gear pump for steering, swing and optional equipment. Control valves.... Multiple valves actuated by pilot pressure with integral pressure relief valves. Circuit.... Equipped with air cooled type oil cooler. Oil pressure appears on AML display for main circuit. Hydraulic oil tank capacity.... approx. 840 liters

TADANO Automatic Moment Limiter (Model: AML-C)	Main unit in crane cab gives audible and visual warning of approach to overload. Automatically cuts out crane motions before overload. With working range (load radius and/or boom angle and/or tip height and/or swing range) limit function. Following functions are displayed. · Load as percentage · Number of parts of line of rope · Boom angle · Boom length · Load radius · Outriggers position · On-tire indicator · Actual hook load · Permissible load · Boom position indicator · Potential hook height · Swing angle · Main hydraulic oil pressure · Jib length and jib offset angle(only when jib operation)
OUTRIGGERS	4-hydraulically operated H-type outriggers. Each outrigger controlled simultaneously or independently from the crane cab. Equipped with extension width detector for each outrigger.
Extended width	Fully ... 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 type (by manual switch). 4 x 2 front drive, 4 x 4 front and rear drive
ENGINE	Model..... MITSUBISHI 6M60-TL *EUROSPEC *Cummins QSB 6.7 [EUROMOT IIIIB] Type 4 cycle, turbo charged and after cooled, 6 cylinder in line, direct injection, water cooled diesel engine. Piston displacement...7,545 cm ³ *6,700 cm ³ Max.output...200 kW at 2,600 min ⁻¹ {rpm} *194 kW at 2,500 min ⁻¹ {rpm} Max.torque ...785 N·m at 1,400 min ⁻¹ {rpm} *843 N·m at 1,600 min ⁻¹ {rpm}
TRANSMISSION	Electronically controlled full automatic transmission.
STEERING	Hydraulic power steering controlled by steering wheel. 4 steering modes available: 2-wheel front, 2-wheel rear 4-wheel coordinated, 4-wheel crab
SUSPENSION	Front..... Rigid mounted to the frame. Rear..... Pivot mounted with hydraulic lockout cylinders.
TIRES	29.5-25 22PR(OR) or 29.5-25 28PR(OR), Single x 4
FUEL TANK CAPACITY	300 liters

WORKING RANGE



DIMENSION



*Some specifications are subject to change



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-global.com E-mail: tdnihq@tadano.co.jp

2013-04

Printed in Japan