



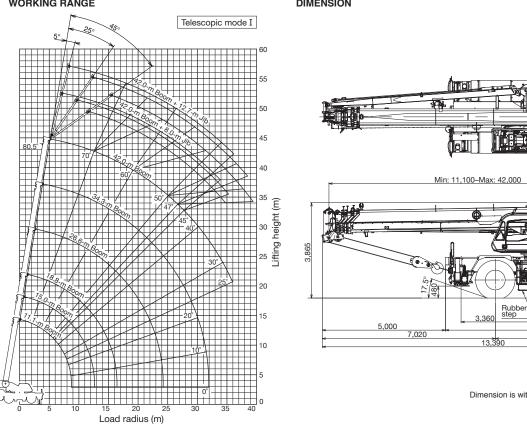
## MODEL: GR-500EXL (Left-hand drive)

SPECIFICATIONS	
MAXIMUM CAPACITY	51,000 kg at 2.5 m (50,000 kg at 3.0 m)
PERFORMANCE	
Max. traveling speed	48 km/h
Gradeability (tan $\theta$ )	65% (at stall) 30%*
	* Machine should be operated within the limit
	of engine crackcase design.
	(17°: Mitsubishi 6M60-TL)
WEIGHT Gross vehicle mass	38,020 kg
-front axle	18,220 kg
-rear axle	19,800 kg
MIN. TURNING RADIUS	10.7 m (2-wheel steering), 6.3 m (4-wheel steering)
	(at center of extreme outer tire)
BOOM	5-section full power telescoping boom.
Fully retracted length	11.1 m
Fully extended length	42.0 m
Extension speed	30.9 m in 150 s
Elevation speed	20° to 60° in 30 s
JIB	2-staged telescopic boom extension.
	Triple offset (5°/25°/45°) type.
	Stows alongside base boom section.
	Single sheave at jib head.
Length	8.0 m and 12.7 m
MAIN WINCH	Variable speed type with grooved drum driven by
	hydraulic axial piston motor through speed reducer.
Max. single line pull**	56.0 kN (5,710 kgf) ** 1st layer
Single line speed	132 m/min. (at the 4th layer)
Wire rope	16 mm (Diameter)
AUXILIARY WINCH	Variable speed type with grooved drum driven by
	hydraulic axial piston motor through speed reducer.
Max. single line pull**	56.0 kN (5,710 kgf) ** 1st layer
Single line speed	124 m/min. (at the 3rd layer)
Wire rope	16 mm (Diameter)
SLEWING SPEED	2.1 min <sup>-1</sup> {rpm}
Tail slewing radius	4,100 mm
HYDRAULIC SYSTEM	Pumps 2 variable piston pumps for crane
	functions. Tandem gear pump for steering,
	slewing and optional equipment.
	Control valves
	Multiple valves actuated by pilot pressure
	with integral pressure relief valves.
	Reservoir
	690 liters capacity. External sight level
	gauge.
	Oil Cooler Air cooled fan type.

TABANG A:	In alwalia as
TADANO Automatic	Including:
Moment Limiter	Control lever lockout function with audible and
(Model: AML-C)	visual pre-warning • Number of parts of line
	Boom position indicator   Outrigger state indicator
	Slewing angle • Boom angle / boom length / jib
	offset angle / jib length / load radius / rated lifting
	capacities / actual loads read out • Potential lifting
	height • Ratio of actual load moment to rated load
	moment indication • Permissible load • Automatic
	Speed Reduction and Slow Stop function on slewing
	Working condition register switch • Load radius /
	boom angle / tip height / slewing range preset
	function • External warning lamp • Tare function
	Main hydraulic oil pressure
	monitor • Main winch / auxiliarly winch select
	Drum rotation indicator (audible and visible type)
OUTDIOGEDO	main and auxiliary winch • On-rubber indicator
OUTRIGGERS	4 hydraulic, beam and jack outriggers. Vertical jack
	cylinders equipped with integral holding valve. Each outrigger beam and jack is controlled independently
	from cab.
Extension width	Maximum 7,000 mm, Middle 6,500 mm & 5,000 mm
Extension width	Minimum 2,480 mm, Float size (Diameter) 400 mm
CARRIER	Rear engine, left-hand drive, driving axle 2-way
OAITHEIT	selected type by manual switch.
	4 x 2 front drive, 4 x 4 front and rear drive
ENGINE	Model Mitsubishi 6M60-TL
	Type 4-cycle, turbo charged and after cooled.
	Piston displacement 7.54 liters
	Bore x stroke118 mm x 115 mm
	Max. output 200 kW at 2,600 min-1 {rpm}
	Max. torque 785 N-m at 1,400 min <sup>-1</sup> {rpm}
TRANSMISSION	Electronically controlled full automatic transmission.
STEERING	Hydraulic power steering.
	3 steering modes available:
	2-wheel front,
	4-wheel coordinated,
OLIODENIOIONI	4-wheel crab
SUSPENSION	Front Rigid mounted to the frame.
TIRES	Rear Semi-elliptic leaf springs.
TIMES	Front 505/95R25, Single x 2 Rear 505/95R25, Single x 2
FUELTANK CAPACITY	300 liters
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## WORKING RANGE

## **DIMENSION**



Retractable mirror 2,370

Dimension is with boom angle at -1° unless otherwise specified.

Some specifications are subject to change



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