GR-550XLS

Crane capacity
50,000 kg at 2.5 m

4-section long boom
10.2 m–33.0 m

2-staged jib
8.0 m / 12.7 m

Maximum lifting height
33.5 m (Boom)
45.9 m (Jib)

Maximum load radius
30.5 m (Boom)
40.0 m (Jib)
MODEL: GR-550XLS

SPECIFICATIONS

MAXIMUM CAPACITY  50,000 kg at 2.5 m

PERFORMANCE
Max. traveling speed  44 km/h
Gradeability (fanδ)  92% (at stall), 30% *
* Machine should be operated within limit of engine crackcase design, (17; Mitsubishi 6M60-TL)

WEIGHT
Gross vehicle mass - front axle  15,550 kg
- rear axle  17,990 kg

MIN. TURNING RADIUS
10.3 m (2-wheel steering), 6.0 m (4-wheel steering)
(at center of extreme outer tire)

BOOM
10.2-m Boom
20˚ to 60˚ in 30 s

Tail slewing radius
Slewing speed
Single sheave at jib head.

8.0 m and 12.7 m

MAIN WINCH
Variable speed type with grooved drum driven by hydraulic axial piston motor through speed reducer.

Single line pull
44.1 kN (4,500 kgf)

Single line speed
124 m/min. (at 3rd layer)

Auxiliary Winch
Variable speed type with grooved drum driven by hydraulic axial piston motor through speed reducer.

Single line pull
44.1 kN (4,500 kgf)

Single line speed
124 m/min. (at 3rd layer)

SLEWING
Slewing speed
2.7 min⁻¹ (rpm)

HYDRAULIC SYSTEM
Pumps... 2 variable piston pumps for crane functions. Tandem gear pump for steering, slewing and 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.

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.

CARRIER
Rear engine, left-hand drive, driving axle 2-way selected type by manual switch. 4 x 2 front drive, 4 x 4 front and rear drive

ENGINE
Model..... Mitsubishi 6M60-1L
Type........ 4-cycle, turbo charged and after cooled.

Max. output... 200 kW at 2,600 min⁻¹ (rpm)

Bore x stroke...118 mm x 115 mm
Piston displacement...7.54 liters

SUSPENSION
Front....... Rigid mounted to frame.
2-wheel front,
4-wheel coordinated,
3 steering modes available:
Hydraulic power steering.

TRANSMISSION
Electronically controlled full automatic transmission.

STEERING
Hydraulic power steering.
3 steering modes available: 2-wheel front, 4-wheel coordinated, 4-wheel crab

SUSPENSION
Front....... Rigid mounted to frame.
Rear......... Semi-elliptic leaf springs.

TIRES
445/95R25, Single x 4

FUEL TANK CAPACITY
300 liters

LOAD MOMENT INDICATOR (TADANO AML-C)
Following information is displayed.
- Control lever lockout function with audible and 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 for slewing
- Working condition register switch
- Load radius / boom angle / tip height / slewing range preset function
- External warning lamp
- Tare function
- Main hydraulic oil pressure
- Fuel consumption monitor
- Main winch / auxiliarily winch select
- Drum rotation indicator (audible and visible type)
- main and auxiliary winch
- On-rubber indicator

WORKING RANGE

FUEL TANK CAPACITY
300 liters

DIMENSIONS

Note: Some specifications are subject to change.

Dimensions are with boom angle at -1°.