

Chapter 14

Specifications

1. Dimensions

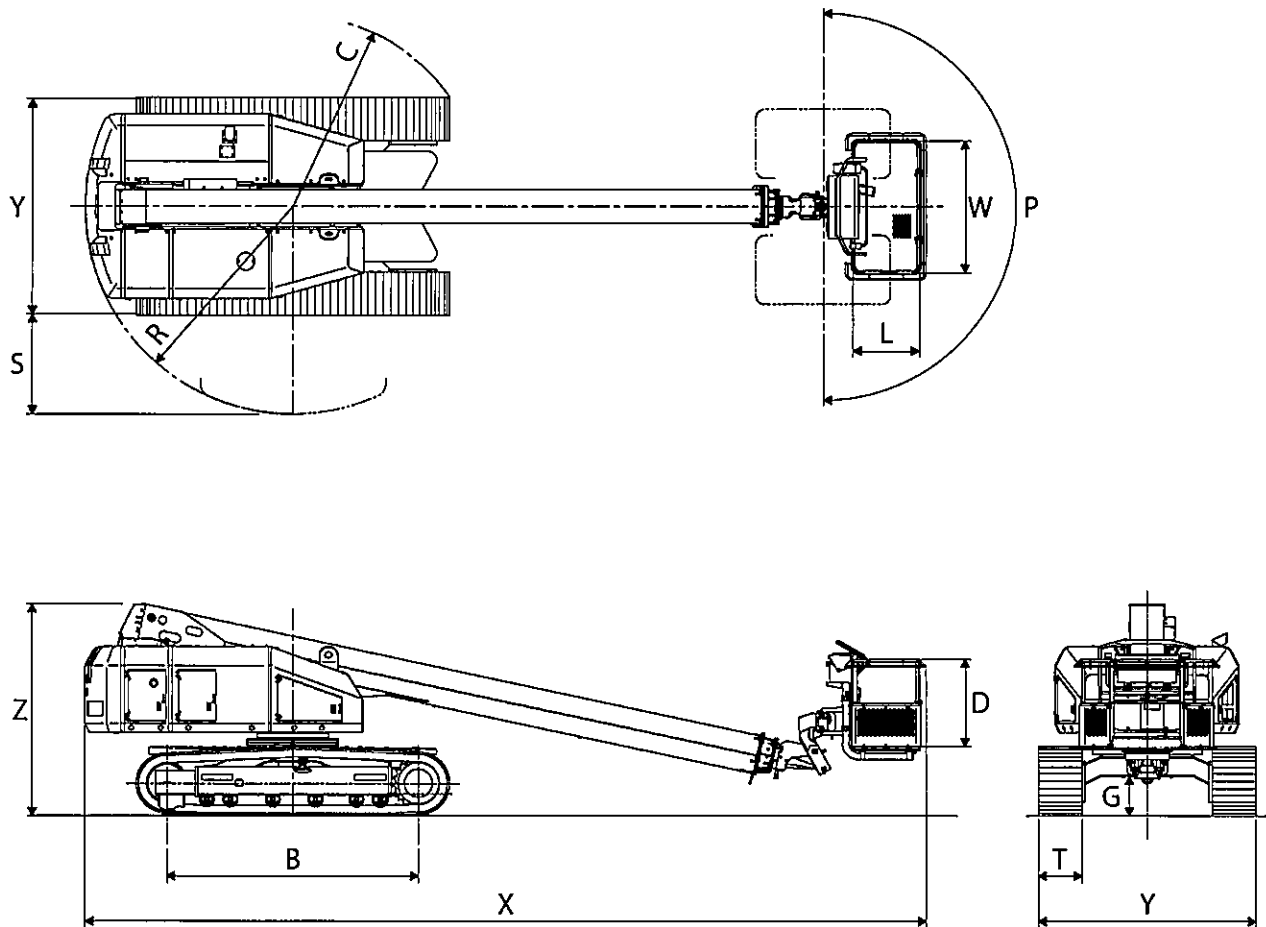


Fig. 14-1

M14XQ210

- X Overall Length
- Y Overall Width
- Z Overall Height
- R Turntable Tail Swing Radius
- S Turntable Tail Swing
- G Ground Clearance (Chassis Center)
- B Width of Tumbler Center
- T Track Width
- L Platform Inner Length (Pipe Center)
- W Platform Inner Width (Pipe Center)
- D Platform Inner Depth (Pipe Center)
- P Platform Rotation
- C Minimum Turning Radius (Track Outer Side)

* Above figure is SR19CSM. Other models are also similar.

2. General Specifications

Models		SR19CSM	SR21CSM	SR21CJM
Performance	Platform Height Maximum	18.7 m	20.7 m	20.7 m
	Horizontal Outreach Maximum	15.5 m	18.8 m	17.2 m
	Platform Load Capacity (Evenly Distributed)	250 kg or 2 persons	←	←
	Platform Rotation [P]	90° CW to 90° CCW (180°)	←	←
	Turntable Rotation	360° (Continuous)	←	←
	Max. Allowable Tilt Angle	3.0°	←	←
	Gradeability (Stowed)	51 % (27°)	40 % (22°)	←
	Min. Turning Radius [C]	2.190 m	←	←
	Max. Allowable Wind Speed	10 m/s	←	←
Measurements	Overall Length [X]	9.600 m	10.640 m	10.770 m
	Overall Width [Y]	2.490 m	←	←
	Overall Height [Z]	2.420 m	←	←
	Turntable Tail Swing Radius [R]	2.360 m	←	←
	Turntable Tail Swing [S]	1.115 m	←	←
	Inside Diameter of Platform [LWD]	0.75 x 1.50 x 1.00 m	←	0.9 x 1.50 x 1.00 m
	Track Width [T]	0.500 m	←	←
	Width of Tumbler Center [B]	2.870 m	←	←
	Width of Crawler Center	1.990 m	←	←
	Ground Clearance [G]	0.450 m	←	←
Weight ^{*3}	Gross Weight	12 650 kg	15 650 kg	14 000 kg
	Max. Track Loading Force	10 100 kg	13 100 kg	11 800 kg
	Max. Track Ground Contact Pressure	69 kPa	90 kPa	81 kPa
Power source	Engine	YANMER 4TNV98-ZNAS	←	←
	Auxiliary Power Unit	12 V – DC	←	←
	Fuel Type	Diesel Fuel	←	←
	Fuel Tank Capacity	130 L	←	←
	Recommended Hydraulic Oil	Shell Tellus S2 M 22	←	←
	Hydraulic Tank Capacity	185 L	←	←
Function speed ^{*1}	Elevation (Retracted Fully)	Up	-12 – 70° / 34 – 46 s	←
		Down	-12 – 70° / 34 – 46 s	←
	Telescope	Out	10.26 m / 30 – 40 s	11.30 m / 34 – 46 s
		In	10.26 m / 30 – 40 s	11.30 m / 34 – 46 s
	Turntable Rotation (Retracted and Raised Fully)		0.75 rpm (360° / 68 – 92 s)	←
	Fly Jib Elevation	Up	—	—
		Down	—	—
	Platform Rotation		180° / 11 – 19 s	←
	Max. Travel Speed ^{*2} (Level Surface)	Stowed	1.8 km/h	←
		Elevated	0.5 km/h	←

• The machine is designed for both indoor and outdoor use.

• Advisable atmospheric temperature range: -20°C to 40°C.

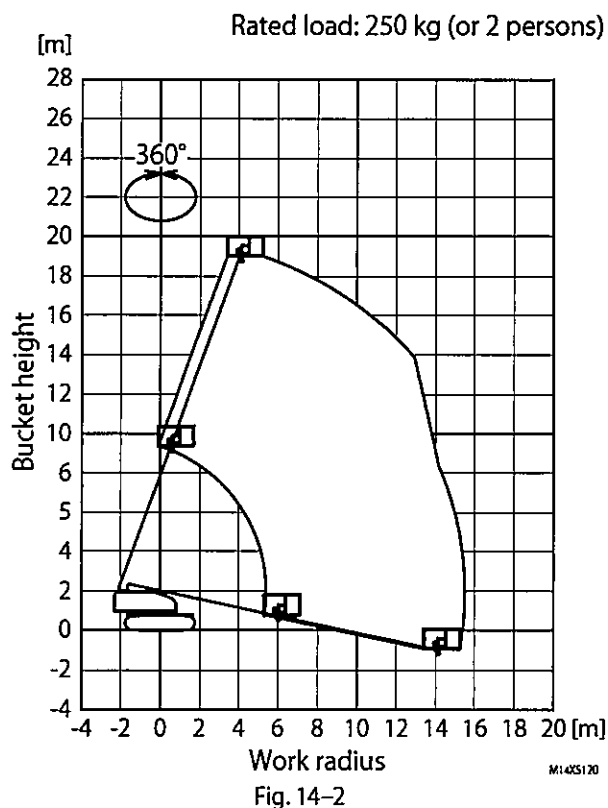
*1 Function speeds and gradeability assume that 1 person is on the machine.

*2 Travel speed and gradeability depend on the condition of the traveling surface.

*3 Weight information is approximate and does not incorporate different option configurations.

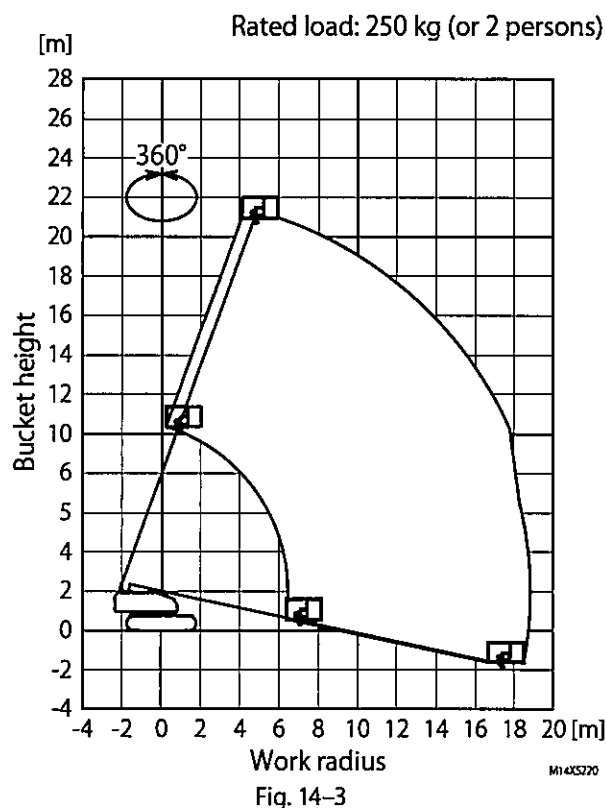
3. Work Range Diagram

3-1 SR19CSM



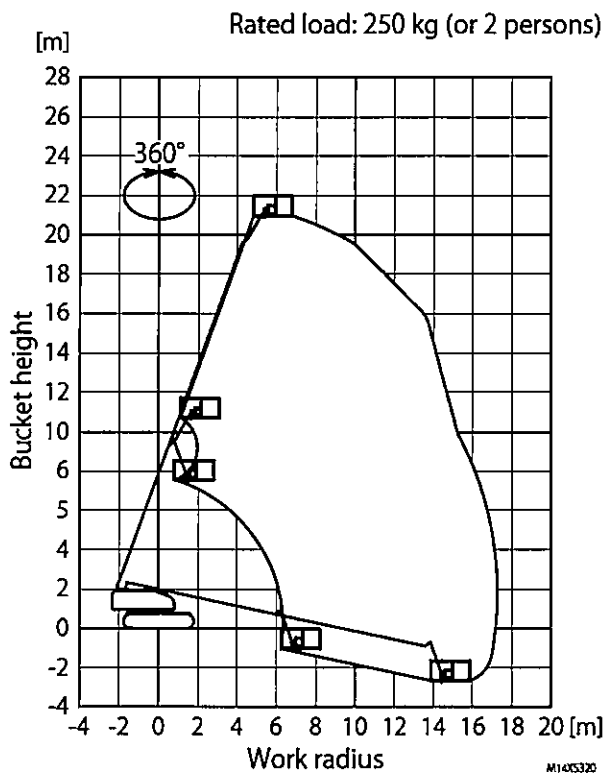
1. The boom deflection is not taken into account in the above working range diagram.
2. The working range is the same in any boom-rotated directions.
3. The working range is a reference measured on a firm level surface.
4. The counter weight should be attached to the specified point.
5. Platform rated load may differ depending on option configurations.

3-2 SR21CSM



1. The boom deflection is not taken into account in the above working range diagram.
2. The working range is the same in any boom-rotated directions.
3. The working range is a reference measured on a firm level surface.
4. The counter weight should be attached to the specified point.
5. Platform rated load may differ depending on option configurations.

3-3 SR21CJM



1. The boom deflection is not taken into account in the above working range diagram.
2. The working range is the same in any boom-rotated directions.
3. The working range is a reference measured on a firm level surface.
4. The counter weight should be attached to the specified point.
5. Platform rated load may differ depending on option configurations.