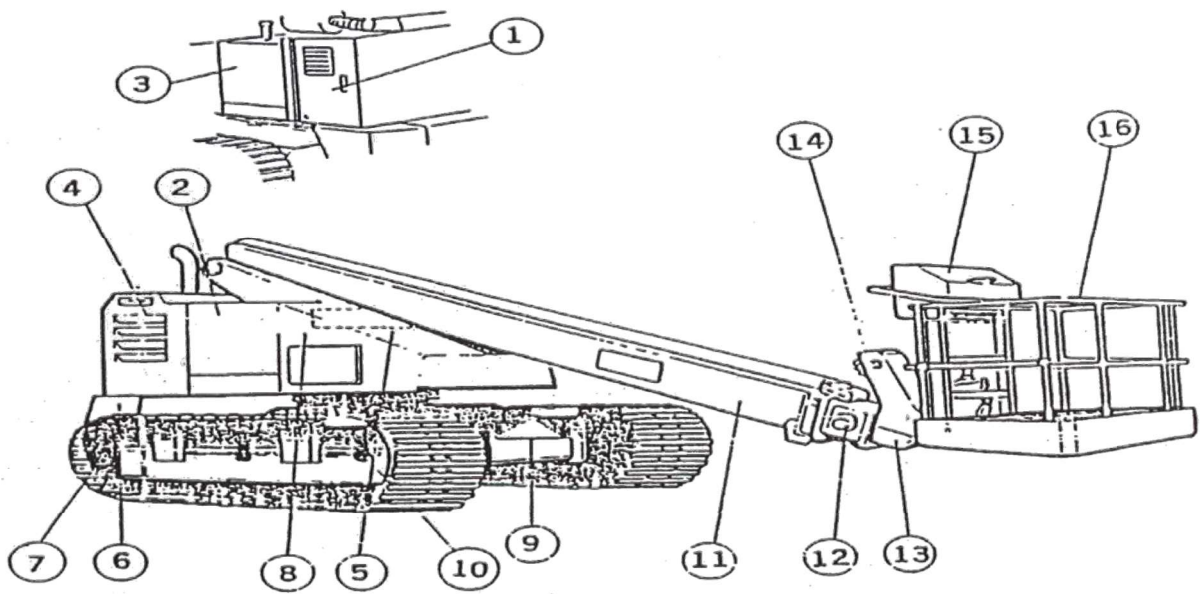


**1. Identifications of Major Components**



**2. Specifications**

**2.1. Major Specifications**

Type:	Self-Propelled Aerial Platform
Model:	SR-181
Vehicle Weight:	14,200kg
Battery Voltage	24 V

**Dimensions**

Length:	9,250mm
Width:	2,470mm
Height:	2,500mm
Turret Slew Radius:	2,780mm
Min Ground Clearance:	325mm

**Engine**

Model:	Mitsubishi S4E-2
Maximum Output:	45/2,000 PS/rpm
Maximum Torque:	18/1.500 Kg-m/rpm
Total Displacement:	2.957 cc
Air Cleaner:	Cyclone Type, Double Element

**Basket**

Rated Load:	250 Kg (350 Kg)
Max Platform Floor Height:	18.0m
Max Working Radius:	16.0m
Swing Angle:	45° each right and left

**Boom:**

Elevation Angle: -14° to 70°  
Boom Length: 7.17m to 16.84m  
Slew Angle: 360° (continuously)

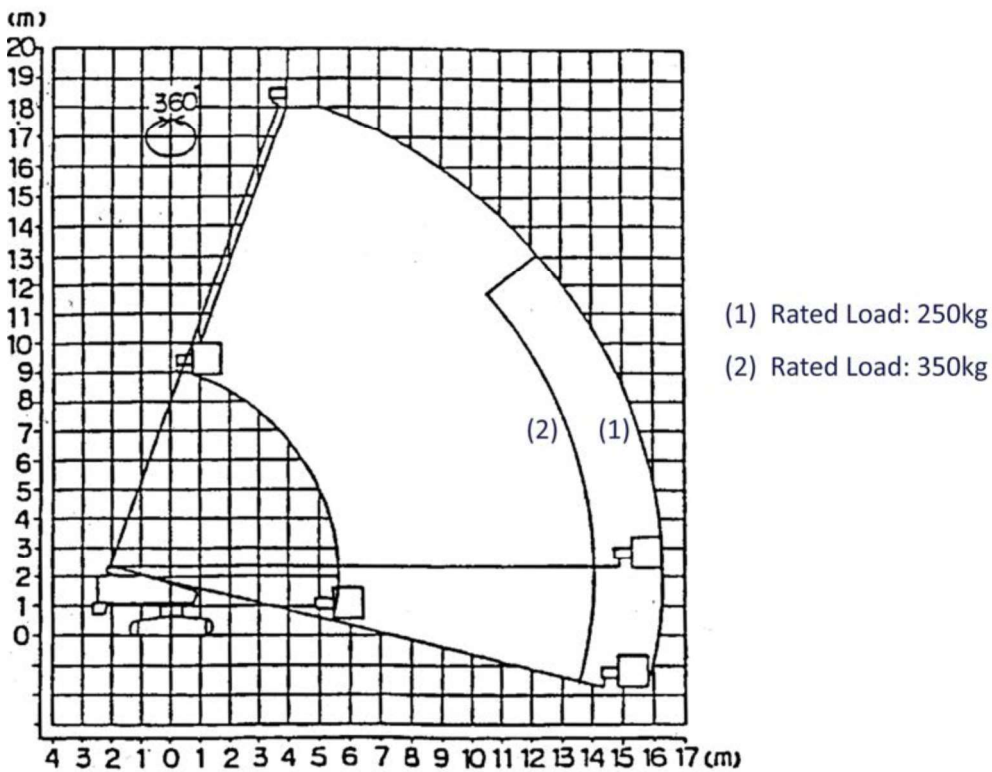
**Operational Speed:**

Boom Telescoping Extension: 30 sec/str (at pump speed 2,000 rpm)  
Boom Telescoping Retraction: 30 sec/str (at pump speed 2,000 rpm)  
Boom Elevation Up: 50 sec/str (at pump speed 2,000 rpm)  
Boom Elevation Down: 55 sec/str (at pump speed 2,000 rpm)  
Turret Slew: 1 rpm  
Travel: 1.2 Km/h

**Hydraulic:**

Max Hydraulic Pressure: 175 and 140 Kg/cm<sup>2</sup>  
Hydraulic Pump: 40 + 10 cc/rev Gear type

**2.2. Working Load Rating Chart**



2.2.1. The deflection of booms is not considered on the Working Load Rating Chart.

2.2.2. The boom is capable of being slewed through 360°

2.2.3. The working range is calculated, assuming that the equipment is sited on a level, firm ground, and wind velocity is not in excess of 10 meters per second.

2.2.4. The counterweight is assumed to be installed at the specified place.