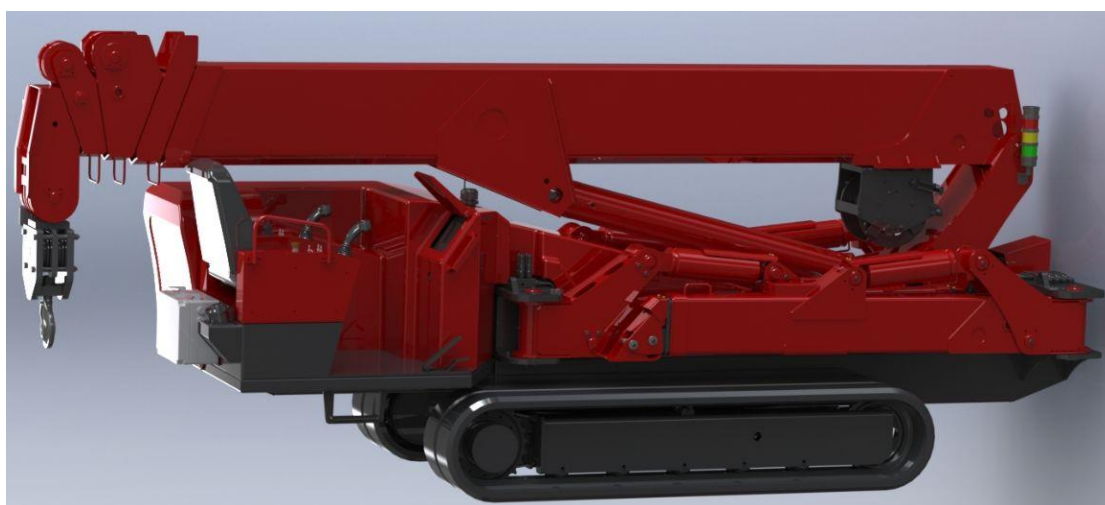




## SPT499 Mini Spider Crane



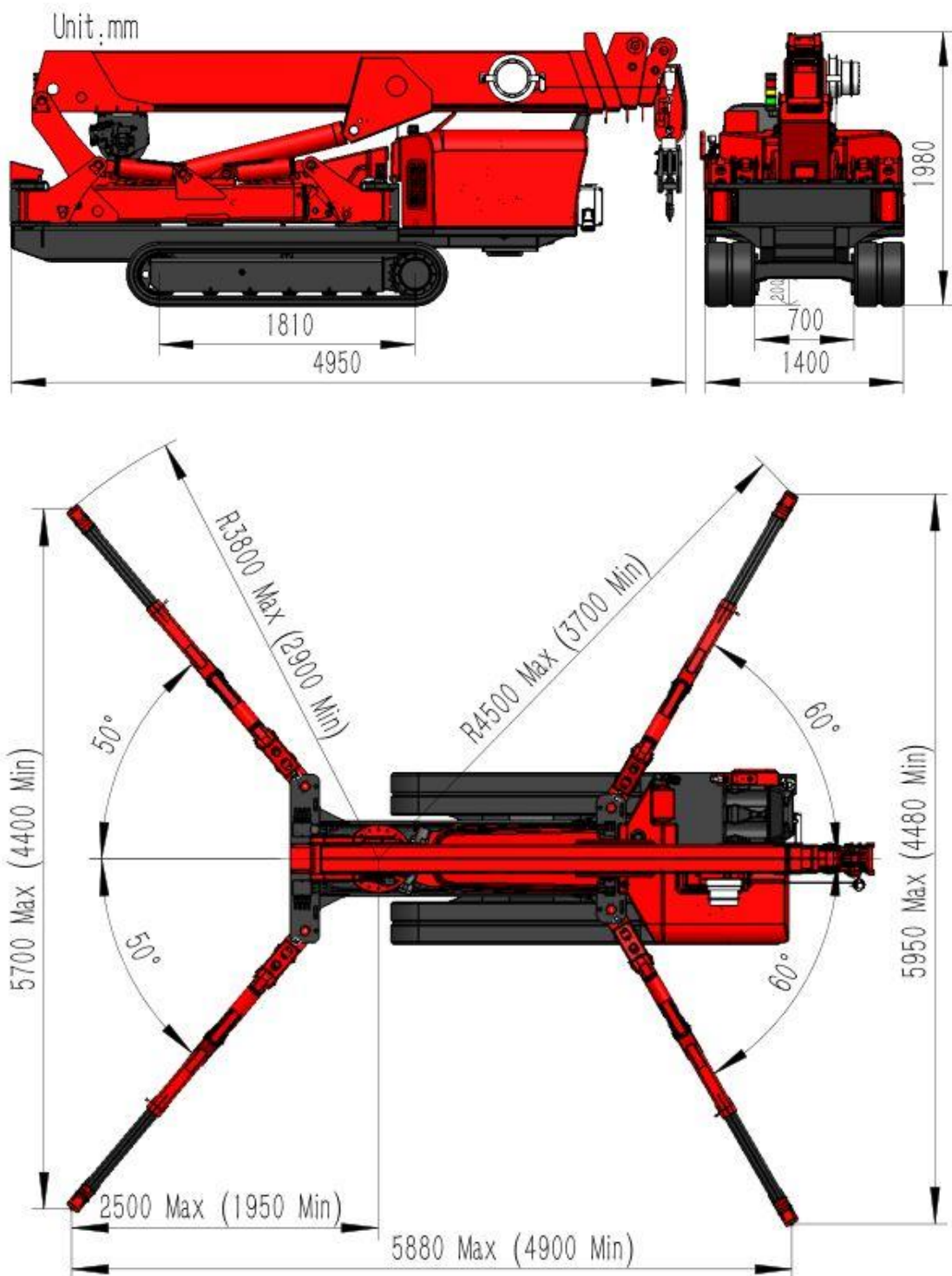
- \* 16.8m Max Working Height
- \* 5 Ton Max Capacity
- \* Slim Body Width(1400mm)
- \* Safe Load Moment Limiter
- \* Proportional Remote Control
- \* Weight 5600kg



**Specifications :**

Model	SPT499	
Capacity	5.0t×2.2m	
Working radius	16m×0.21t	
Ground lifting height	16.8mX1.13t	
Underground lifting height	20mX2t(4 fall) 40mX1t(2 fall) 80mX0.74t(1	
Winch device	Hook speed	0-18m/min (4 fall)
	Rope type	Φ8mm×90m (6X28+WS 2160)
Telescopic system	Boom form	5 section boom, hexagonal box construction
	Boom length/Time	4.7m-16.5m / 50sec
Up and	Boom angle/Time	0-80°/25sec
Slew system	Slew angle/ Speed	0-360° (continuous) /2.5rpm
Outrigger	Outrigger active form	Manual+Hydraulic
	Maximum extended dimensions (mm)	5880 (Length) X5700 (Front) X5950 (Back)
Traction system	Walking way	Hydraulic motor drive、 2 speed
	Walking speed	0-3km/ h
	Grade ability	20°(36%)
	Ground length×width	1810mm×350 mm
	Ground pressure	44kpa (0.45 kgf / cm <sup>2</sup> )
Electric motor	Voltage	AC380V (Optional)
	Power/Speed	7.5kw/1440 min-1
	Sound level	Rated speed ≤60dB(A) (1m)
Diesel engine	Model	3TVN76-PTC (YANMAR)
	Type / Displacement	2 cylinder water cooled / 1.116L
	Rated output	15.8kw/ 2500 min-1
	Starting method	Electric
	Operating temperature	-5°C~40°C
	Fuel/ Volume	Diesel/40L
	Battery capacity	12v 60AH
	Specific fuel consumption	273g/kW-h
	Sound Level	Rated speed ≤80.5dB(A) (1m)
	Applied regulation	EPA-Tier3, China phase 3
Operate system	Type of operation (crane, walk, leg、	Wireless remote control and manual operation
	Operating characteristic	Full proportional control and linkage control
Dimension	Length×Width×Height	4950mm×1400mm×1980mm
Weight	(Without optional equipment)	5600kg
Standard equipment	Level indicator、 Automatic stop for leaving minimum wire rope、 Overwinding alarm、 Machine body inclination alarm、 intelligent voice warning system、 Safe working lamp、 Safe load moment limiter、 EMO switch、 Inter-lock device of crane boom, outriggers and walking、 Three operation modes、 Intelligent display screen, Automatic hook stow、 Intelligent integrated information control	
Optional equipment	Remote control system、 Electric motor、 Man basket、 Searcher hook 、 Fly jib、 Single fall hook、 Two fall hook、 White rubber tracks、 Outrigger Pads、 Crane cover	

**Dimension:**



**Total rated load Outriggers at Maximum position:**

4.74/7.70m boom		10.65m boom		13.56m boom		16.5m boom	
Working radius(m)	Total rated load(t)	Working radius(m)	Total rated	Working radius(m)	Total rated load(t)	Working radius(m)	Total rated load(t)
< 2.20	5000	< 3.5	3050	< 4.00	2230	< 5.00	1130
2.50	4200	4.00	2580	4.50	1930	5.50	980
3.00	3550	4.50	2250	5.00	1730	6.00	910
3.50	3100	5.00	1980	6.00	1400	7.00	760
4.00	2600	6.00	1680	7.00	1180	8.00	650
5.00	2200	7.00	1380	8.00	1030	9.00	600
6.00	1720	8.00	1130	9.00	930	10.00	550
7.00	1550	9.00	880	10.00	830	11.00	490
7.25	1450	10.20	580	11.00	690	12.00	440
				12.00	530	13.00	380
				13.10	430	14.00	320
						15.00	260
						16.00	210

**Total rated load Outriggers at any other position:**

4.74/7.70m boom		10.65m boom		13.56m boom		16.5m boom	
Working radius(m)	Total rated	Working radius(m)	Total rated load(t)	Working radius(m)	Total rated load(t)	Working radius(m)	Total rated load(t)
< 2.20	5000	< 3.50	3050	< 4.00	2230	< 5.00	1130
2.50	4200	4.00	2580	4.50	1830	5.50	980
3.00	3550	4.50	1950	5.00	1630	6.00	880
3.50	3100	5.00	1680	6.00	1180	7.00	730
4.00	2600	6.00	1180	7.00	730	8.00	530
5.00	1680	7.00	880	8.00	680	9.00	450
6.00	1180	8.00	730	9.00	550	10.00	420
7.00	930	9.00	580	10.00	430	11.00	370
7.25	780	10.20	400	11.00	380	12.00	330
				12.00	350	13.00	280
				13.10	310	14.00	240
						15.00	190
						16.00	150