# SPT399

## Mini Crawler Crane
## ( Spider Crane)

Max lifting height 14.5 m

Capacity 4t×2m

Working radius 13.65 m

Weight 4700 kg

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## Features

* 14.5 m Max Working Height
* 4 Ton Max Capacity
* Slim Body Width(1400mm)
* Dual Power
  (Diesel Engine and Electric Motor)
* Safe Load Moment Limiter
* Intelligent display screen
* Proportional Remote Control
* Crane/Outrigger Interlock System
* Outrigger Position Detector Device
* Tilt Sensor/Alarm
* Automatic Hook Stow、
* Weight 4700 kg
* Two Years Warranty

The SPT mini crawler cranes have nice functions, especially safety functions, to ensure the working 100% safety. SPT company provide different models of mini crawler cranes.

The first mission of SPT company is to provide nice solutions to difficult working situations and truly ensure the safety of workers.

SPT series of products took the lead two-years warranty after-sale service system, is entirely based on the product quality trust and be responsible for all of our customers.

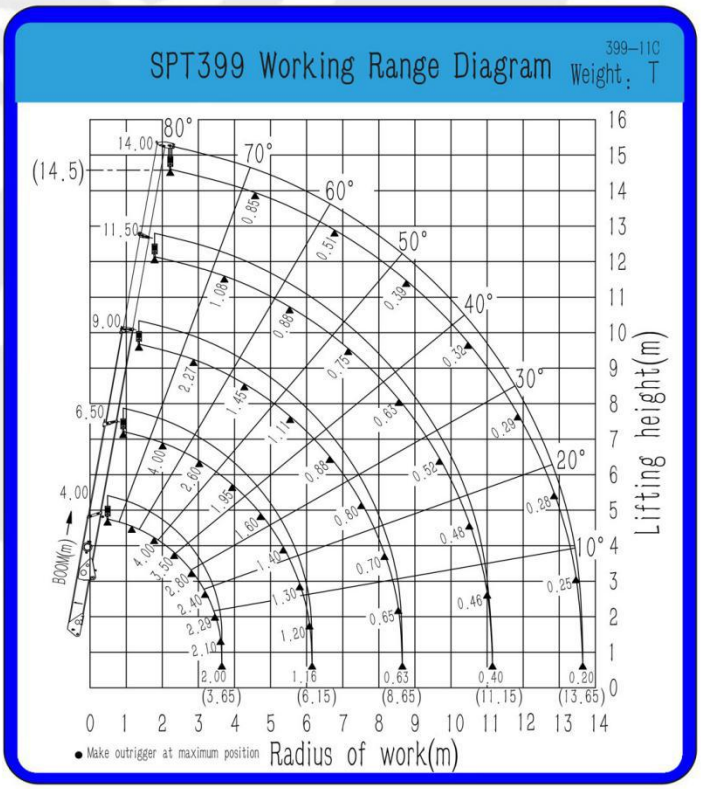
We believe SPT series of mini crawler cranes will be the first choice of you and your customers.

Hope we can work together to create a better future.

Intelligent Display Screen

Proportional Wireless Remote Control

### Working Range Diagram Without Fly Jib



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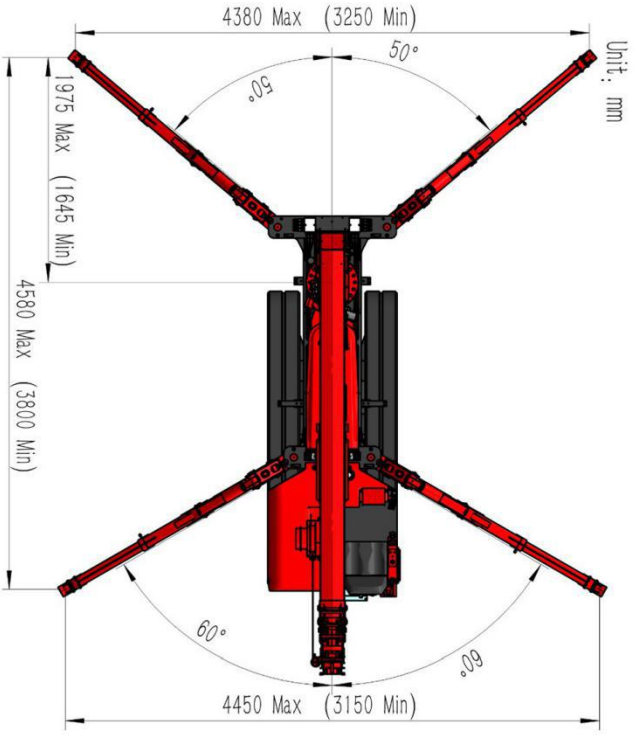
## Outrigger Footprints




**Total rated load Outriggers at Maximum position (4fall)**

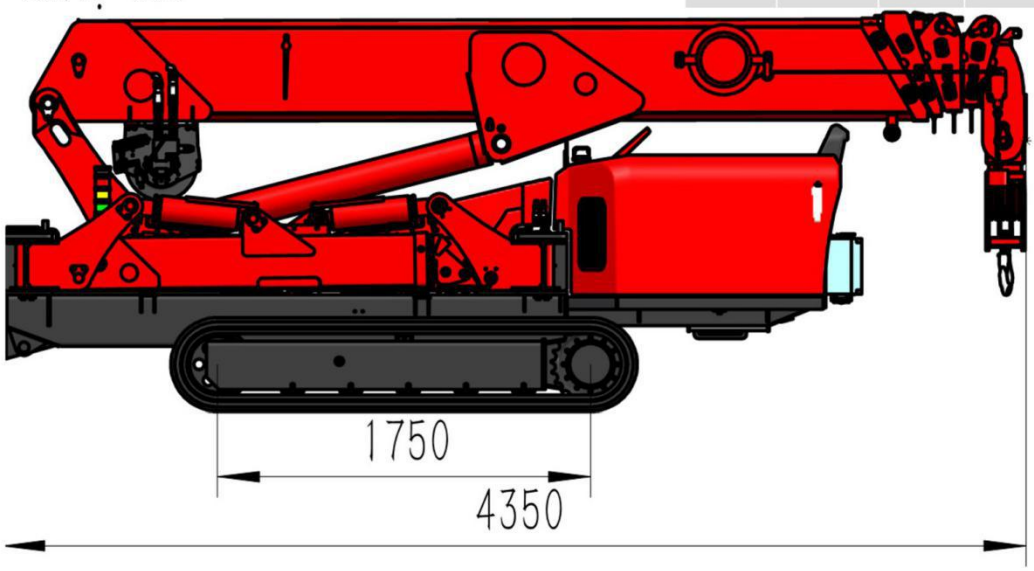
| 4.00/6.50 boom | | 9.00 boom | | 11.5 boom | | 14.00 boom | |
|---|---|---|---|---|---|---|---|
| Working radius(m) | Total rated load(t) | Working radius(m) | Total rated load(t) | Working radius(m) | Total rated load(t) | Working radius(m) | Total rated load(t) |
| < 2.00 | 4.00 | < 2.70 | 2.27 | < 4.00 | 1.08 | < 4.50 | 0.85 |
| 2.20 | 3.50 | 3.00 | 2.12 | 4.50 | 0.98 | 5.00 | 0.75 |
| 2.50 | 3.20 | 3.50 | 1.98 | 5.00 | 0.88 | 5.50 | 0.65 |
| 3.00 | 2.65 | 4.00 | 1.68 | 5.50 | 0.85 | 6.00 | 0.59 |
| 3.50 | 2.10 | 4.50 | 1.35 | 6.00 | 0.82 | 6.50 | 0.52 |
| 4.00 | 1.91 | 5.00 | 1.26 | 6.50 | 0.77 | 7.00 | 0.48 |
| 4.50 | 1.71 | 5.50 | 1.11 | 7.00 | 0.72 | 8.00 | 0.43 |
| 5.00 | 1.49 | 6.00 | 0.99 | 8.00 | 0.65 | 9.00 | 0.37 |
| 5.58 | 1.25 | 7.00 | 0.88 | 9.00 | 0.57 | 10.00 | 0.32 |
| 6.00 | 1.16 | 8.00 | 0.73 | 10.00 | 0.50 | 11.00 | 0.30 |
| 6.15 | | 8.65 | 0.63 | 11.15 | 0.40 | 12.00 | 0.28 |
| | | | | | | 13.00 | 0.25 |
| | | | | | | 13.65 | 0.20 |

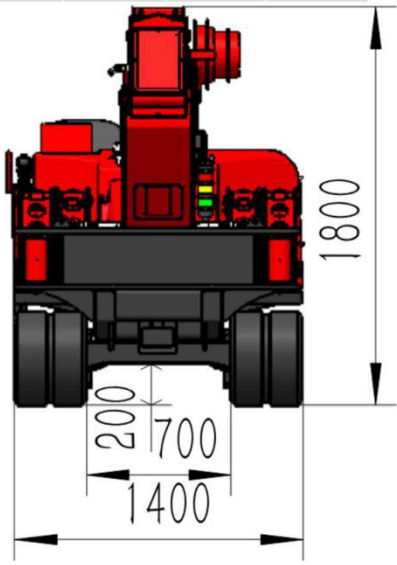
**Total rated load Outriggers at any other position (4fall)**

| 4.00/6.50 boom | | 9.00 boom | | 11.5 boom | | 14.00 boom | |
|---|---|---|---|---|---|---|---|
| Working radius(m) | Total rated load(t) | Working radius(m) | Total rated load(t) | Working radius(m) | Total rated load(t) | Working radius(m) | Total rated load(t) |
| < 2.00 | 4.00 | < 2.70 | 2.27 | < 4.00 | 1.06 | < 4.50 | 0.78 |
| 2.20 | 3.50 | 3.00 | 2.09 | 4.50 | 0.95 | 5.00 | 0.65 |
| 2.50 | 2.95 | 3.50 | 1.68 | 5.00 | 0.86 | 5.50 | 0.57 |
| 3.00 | 2.35 | 4.00 | 1.37 | 5.50 | 0.77 | 6.00 | 0.50 |
| 3.50 | 1.80 | 4.50 | 1.12 | 6.00 | 0.68 | 6.50 | 0.45 |
| 4.00 | 1.43 | 5.00 | 0.91 | 6.50 | 0.60 | 7.00 | 0.41 |
| 4.50 | 1.14 | 5.50 | 0.79 | 7.00 | 0.53 | 8.00 | 0.36 |
| 5.00 | 0.95 | 6.00 | 0.67 | 7.50 | 0.42 | 9.00 | 0.32 |
| 6.00 | 0.76 | 7.00 | 0.51 | 8.00 | 0.34 | 10.00 | 0.25 |
| 6.15 | 0.72 | 8.00 | 0.43 | 9.00 | 0.30 | 11.00 | 0.22 |
| | | 8.65 | 0.32 | 10.00 | 0.28 | 12.00 | 0.20 |
| | | | | 11.15 | 0.25 | 13.00 | 0.18 |
| | | | | | | 13.65 | 0.15 |

## Dimensions

Unit: mm



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# SPT399

## Specifications

| | | |
|---|---|---|
| Model | | SPT399 |
| Capacity | | 4t×2m |
| Working radius | | 13.65m×0.20t |
| Ground lifting height | | 14.5mX0.85t |
| Underground lifting height | | 16mX2t(4 fall) 32mX1t(2 fall) 64mX1t(1 fall) |
| Winch device | Hook speed | 0-12m/min (4 fall ) |
| | Rope type | Φ8mm×73m ( Minimum breaking force 60.6KN 2160N/mm2) |
| Telescopic system | Boom form | 5 section boom, hexagonal box construction |
| | Boom length/Time | 3.54m-12.3m/25sec |
| Up and downs | Boom angle/Time | 0-80°/14.5sec |
| Slew system | Slew angle/Speed | 0-360° ( continuous ) /30sec |
| Outrigger | Outrigger active form | Manual+Hydraulic |
| | Maximum extended dimensions (mm) | 4580 ( Length ) X4380 ( Front ) X 4450 ( Back ) |
| Traction system | Walking way | Hydraulic motor drive、2 speed |
| | Walking speed | 0-3km/ h |
| | Grade ability | 20°(36%) |
| | Ground length×width | 1750mm×300 mm |
| | Ground pressure | 42.8kpa ( 0.437 kgf/cm2) |
| Electric motor | Voltage | AC380V ( Optional ) |
| | Power/Speed | 5.5kw/1440 min-1 |
| | Sound level | Rated speed ≤60dB(A) ( 1m ) |
| Diesel engine | Model | 3TNV80(YANMAR) |
| | Type/Displacement | 3 cylinder water cooled/1.266L |
| | Rated output | 14.6kw/2400 min-1 |
| | Starting method | Electric |
| | Operating temperature | -5℃~40℃ |
| | Fuel/Volume | Diesel/40L |
| | Battery capacity | 12v 45AH |
| | Specific fuel consumption | 272g/kW-h |
| | Sound Level | Rated speed ≤83.5dB(A) (1m) |
| | Applied regulation | EPA-Tier4 , China phase 4 |
| Operate system | Type of operation (crane, walk, leg、accelerator ) | Wireless remote control and Dual axis joystick controller |
| | Operating characteristic | Full proportional control and Proportional joystick control |
| Dimension | Length×Width×Height | 4350mm×1400mm×1800mm |
| Weight | (Without optional equipment ) | 4700kg |
| Standard equipment | Diesel engine and motor (Dual power)、Proportional joystick control and wireless proportional remote (Dual operation mode) 、Intelligent display screen、Moment limiter、Over hoist alarm and automatic stop device、Three-winding alarm and automatic stop device、Automatic hook stow、Outrigger position detector device、Outrigger off ground (or crane body 3-degree inclination)alarm and automatic stop device、Slinging rope detachment protector、EMO switch、Three color lamp、Remote control lamp、Voice prompt、Walking/Outrigger/Boom three-mode interlock system、Data records | |
| Optional quipment | Searcher hook ( 0.7t ) 、Fly jib(0.8t)、Single fall hook、Outrigger Pads、Man basket | |