CRAWLER SPIDER CRANES

12-16 ton crawler spider crane

Model CS-ZZD12-16T

Technical Specifications & Product Selection

24v 45AH
Engine battery capacity

Length 6.15m Width 1.86m Height 2.48m
Vehicle size

Product code: CSC2026XX007

MANUAL 1

Contents

Load radius, boom geometry and outrigger footprint

Rated capacity, load radius, boom length, lift height, winch/rope and outrigger spread describe separate conditions. Read the exact load chart and configuration; maximum capacity is not available at every radius or boom length.

Start with the complete specifications on page 3. Review the actual configuration and supported options, then compare the product with the intended application.

CORE PRODUCT DATA

Technical specifications

12-16 ton crawler spider crane / Model CS-ZZD12-16T

Specification	Product data
Model	CS-ZZD12-16T
Self-weight	12.5 T
Maximum operating radius	19 M
Maximum above ground lift	21 M
Hook Rising Speed	10m/min (4 ropes) Two-speed
Wire Rope Specifications	Φ12 mm x 120m
Telescopic arm length	5.5m-21m
Boom length/time	12.3m/60sec (adjustable)
Boom angle/time	0-78°/17sec
Rotation angle/speed	0-360°(continuous)/42sec
Forms of outrigger movement	Manual screw out + hydraulic telescopic + hydraulic support
Maximum extension amplitude	7600 (length) x 5600 (rear) x 6700 (front) (mm)
Walking mode	hydraulic drive
Walking speed	0-2.5 km/h
Gradeability	25°(36%)
Crawler structure	Steel track
Engine Manufacturer	Yunai (customizable) 76kw

CORE PRODUCT DATA

Specifications - continued

12-16 ton crawler spider crane / Model CS-ZZD12-16T

Specification	Product data
Engine start performance	-50°C-45°C
Engine fuel/Volume	Diesel/40L
Engine battery capacity	24v 45AH
Type of operation (boom/outrigger), manual traveling	Manual operation, manual travel (optional remote control operation)
Operational	Manual operation (remote control optional)
Vehicle size	Length 6.15m Width 1.86m Height 2.48m
Track	135 (pitch) 44 (section) 400 (width)
Optional	Optional torque controller / remote control / cradle / hydraulic flying jib / colors: red, green, yellow, white, grey, black

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Structure & configuration

Component / configuration	Function / scope
Five-Section Telescopic Boom	The visible five-section boom extends working reach while retaining a compact folded profile.
Boom Head and Hook Block	The multi-sheave head, rope path and hook block form the confirmed load-handling connection.
Boom Lift Cylinder Assembly	The visible hydraulic lift cylinder changes boom angle and supports controlled raising movement.
Upper Deck and Control Assembly	The closed vented housing, single seat and control station remain grouped on the rotating upper deck.
Winch and Wire Rope Drum	The visible winch drum stores and pays out wire rope to raise or lower the hook block.
Four-Outrigger Support Assembly	Four articulated supports spread around the frame to create a broad grounded setup footprint.
Dual Crawler Lower Chassis	Two steel crawler tracks and the lower frame support hydraulic travel and machine ground contact.

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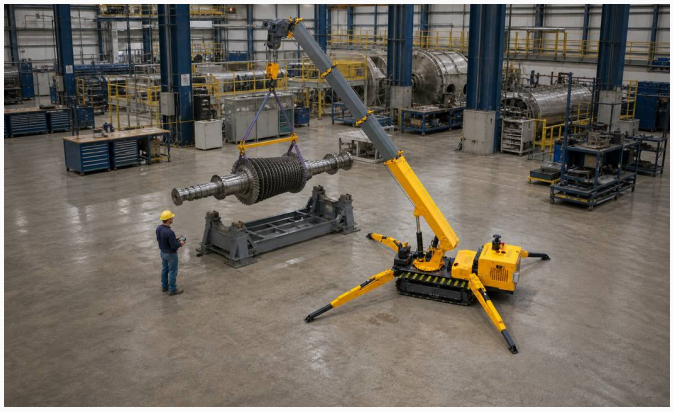
Application & product selection



Plant installation; Glazing and equipment placement; Confined-access lifting.

Selection input	Review together
Load and radius	Actual lifted mass, radius and height against the exact load chart.
Crane version	Specified boom, winch/rope, hook, slew and control configuration.
Site setup	Outrigger footprint, access, support conditions and machine envelope.

Ordered configuration

Retain the exact model, specification option and included accessory scope in the written order. Application photographs illustrate context, not inclusion of adjacent items.

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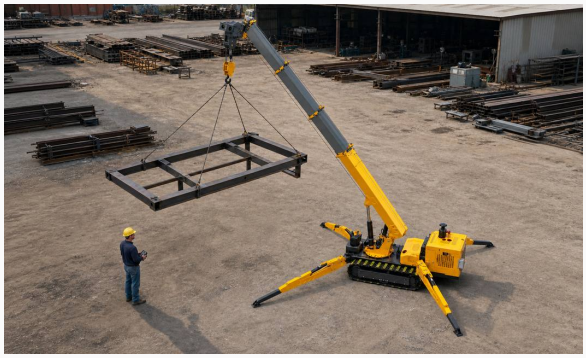
Product views

Grouped views identify the product form and its application setting.



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Components & interfaces

Grouped detail views identify the fitted components and interfaces.

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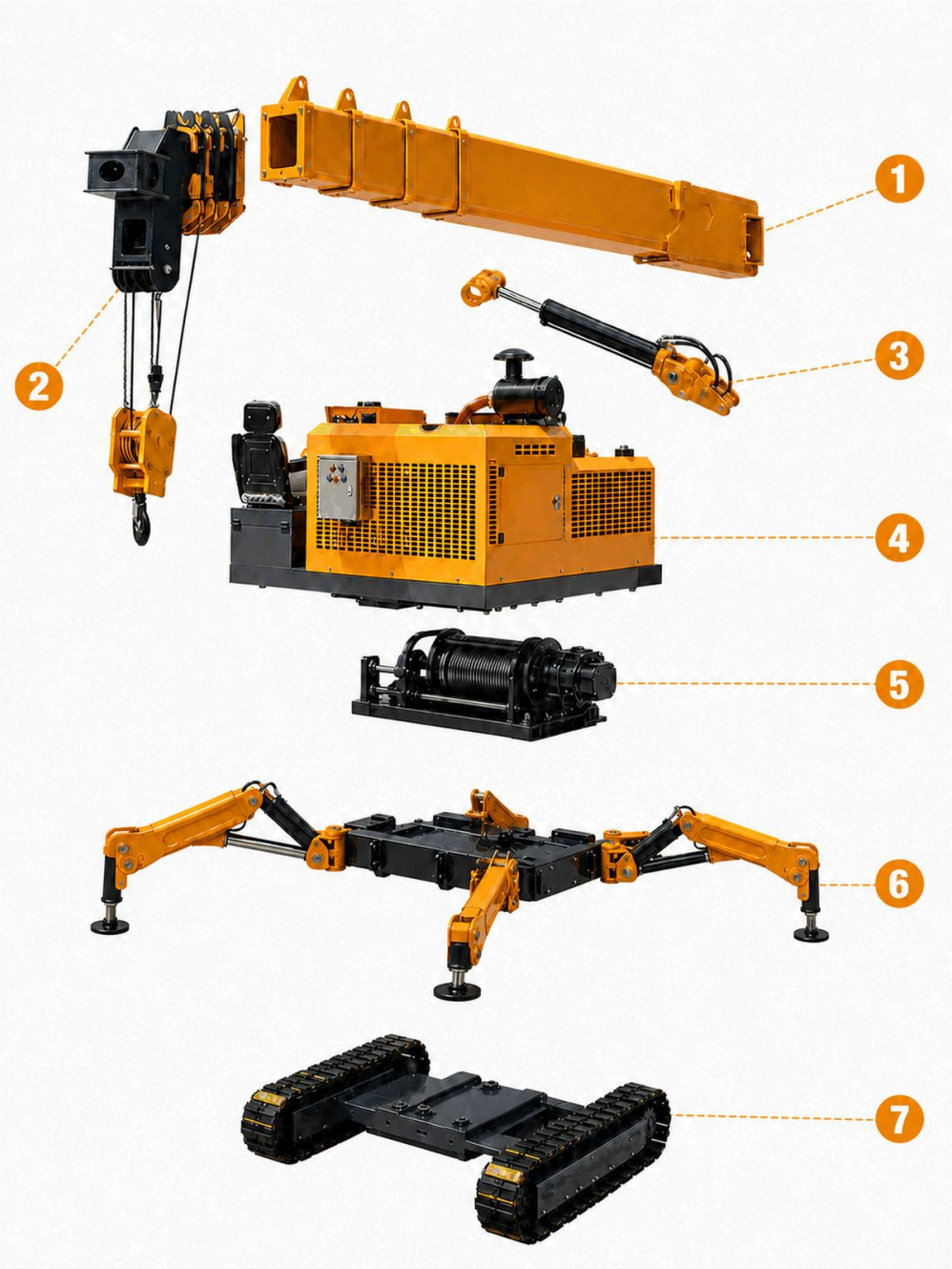
Structural decomposition



Assembly relationships

The separated view identifies the principal product assemblies and their physical relationship; supplied scope follows the exact written configuration.