

SWLLIFT

Spider Crane



SWLLIFT Intelligent Equipment Co., Ltd as the world's leading designer and manufacturer of aerial work equipment, our products can be found around the world and we do our best to support and assist our customers.

Technical Parameters

Spider Crane-SS1.0		
Model		SKB1.0 Mini Crawler Crane
Specification		0.995T*1.5M
Maximum Operating Radius		5.07M*0.2T
Maximum Head Above Ground		5.5M
Maximum Underground Head		18M
Winch	Hook Rising Speed	16-24m/min(2 strands)
	Wire Rope	Diameter 7.7mm*48m
Telescopic Device	Boom Form	5-angle fully automatic 4-stage
	Jib Length	2.08m-5.5m
	Boom Telescopic Length/Time	3.42m / 12sec
Heave Device	Boom Angle/Time	0-75°/ 14sec
Rotary Device	Rotation Angle/Time	0°~360°continuous/40sec
Outrigger	Form of Outrigger Action	The first stage is automatic, the second and third stages are manually adjusted
	Maximum Extension	3600mm*3200mm
Running Gear	Way of Walking	Hydraulic motor drive, two speed
	Walking Speed	0-3.2Km /h
	Gradeability	20°
	Crane Ground Length * Width * 2	960mm*180mm*2
	Ground Specific Pressure	35.6kpa(0.356kgf/cm)
Engine	Model	Honda GX270
	Displacement	270ml
	Rated Output Power	5.1Kw / 1800rpm
	Start Method	Motor Start
	Use Fuel/Volume	Gasoline/6L
Safety Devices	Spirit level, alarm device, emergency stop button	
System Voltage	DC12V	
Vehicle Size	Length*Width*Height	2140mm*600mm*1413mm
Weight	Vehicle Weight	1230Kg

Rated total lifting capacity (when the outriggers are extended to the maximum)							
2.08m boom		3.22m boom		4.36m boom		5.5m boom	
Operating radius (m)	Rated total lifting capacity (t)	Operating radius (m)	Rated total lifting capacity (t)	Operating radius (m)	Rated total lifting capacity (t)	Operating radius (m)	Rated total lifting capacity (t)
<1.5	1	<1.5	1	<1.8	0.85	<2.5	0.65
1.65	0.92	2	0.8	2	0.8	3	0.53
		2.5	0.65	2.5	0.62	3.5	0.4
		2.79	0.56	43.5	0.53	4	0.32
				3.93	0.41	4.5	0.27
					0.33	5	0.21
						5.07	0.2

Technical Parameters

Spider Crane-SS3.0			
Capacity		2.95T*1.3m	
Maximum Operating Radius		8.25m*0.15T	
Max Ground Lifting Height		9.6m (4 ropes)	
Winch Device	Winch way	Hydraulic motor drive, high and low speed	
	Hook ascending speed (4 ropes)	Slow speed 5.3m/min, fast speed 10.2m/min	
	Wire rope diameter and length	Φ8mm*110m(Max)	
Telescopic System	Boom Form	U-shaped automatic 5-stage	
	Boom Length	2.66m-8.98m	
	Boom telescopic length/time	25sec(fully extended)	
Heave Device	Boom Angle/Time	0~75°/18sec	
Rotary Device	Slew Angle/Speed	0-360°continuous/40sec	
Outrigger	Outrigger	Manual rotation, hydraulic tension	
	Maximum extension	4290mmX3885mm	
Traction system	Driving Mode	Hydraulic motor drive, high and low speed	
	Walking Speed	1.6/2.9km/h	
	Gradeability	20°	
	Track (length*width)	1000mmx200mm	
Power system		Displacement	0.857L
		Rated Output Power	10.0Kw
		Start Method	Electric Start
		Use Fuel	Diesel Fuel
		Fuel Tank Capacity	14L
Operation system	Remote control form/distance	wirelessremote control/100m	
	Outrigger	Proportional remote/manual operation	
	Walk	Proportional remote/manual operation	
	Boom	Proportional remote/manual operation	
Electric Motor	Model	YB112M-4(three-phaseAC asynchronous motor)	
	Voltage	AC380V(50Hz)	
	Power/Speed	4Kw/1440min-1	
Vehicle Size	Length*Width*Height	2890mm*800mm*1700mm	
Hydraulic Oil Tank Capacity		40L	
Vehicle Weight		2400Kg	
Safety Devices		Spirit level, torque limiter, three-color lights, emergency stop button, walking, outriggers, boom interlock anti-tipping device, one-button leveling.	

Technical Parameters

Spider Crane-SS3.0E			
Capacity		2.95T*1.3m	
Working Radius		8.25m*0.15T	
Max Ground Lifting Height		9.6m (4 ropes)	
Winch Device	Winch way	Hydraulic motor drive, high and low speed	
	Hook ascending speed (4 ropes)	0-10.8m/min	
	Wire rope diameter and length	Φ8mm*110m(Max)	
Telescopic System	Boom Form	U type automatic 5 section	
	Boom Length	2.66m-8.98m	
	Boom telescopic length/time	25sec(fully extended)	
Heave Device	Boom Angle/Time	0~75°/20sec	
Rotary Device	Slew Angle/Speed	0-360°continuous/40sec	
Outrigger	Outrigger	Manual rotation, hydraulic tension	
	Maximum extension	4290mm*3885mm	
Traction System	Driving Mode	Hydraulic motor, high/low speed	
	Walking Speed	0~2.5km/h	
	Gradeability	20°	
	Ground Length x Width	1000mmx200mm	
Power System		Voltage	48V
		Battery Capacity	260Ah
		Length of Work	6-8h
		DC motor (with battery pack)	
		Voltage	DC48V
		Power/speed	6KW 2000r/min
Operation System	Remote control form/distance	wireless remote control/100m	
	Outrigger	Proportional remote/manual operation	
	Walk	Proportional remote/manual operation	
	Boom	Proportional remote/manual operation	
Electric Motor	Model	YYB112M-4(three-phaseAC asynchronous motor)	
	Voltage	AC380V(50Hz)	
	Power/Speed	4Kw/1440min-1	
Vehicle Size	Length*Width*Height	2890mm*800mm*1700mm	
Hydraulic Oil Tank Capacity		40L	
Vehicle Weight		2600Kg	
Safety Devices		Spirit level, torque limiter, three-color lights, emergency stop button, walking, outriggers, boom interlock anti-tipping device, one-button leveling.	

Technical Parameters

Spider Crane-SS5.0		
Capacity		5.0T*1.5m
Max Working Radius		14.5m*0.20T
Max Ground Lifting Height		15.3m
Winch Device	Hook Speed	0-10m/min (4 ropes)
	Wire rope diameter and length	Φ10mmX100m (max)
Telescopic System	Boom Form	U-shaped automatic 6-stage
	Boom Length	3.8m -15m
	Boom telescopic length/time	11.2m/27sec
Heave Device	Boom Angle/Time	0~80°/17sec
Rotary Device	Slew Angle/Speed	0-360°continuous/30sec
Outrigger	Outrigger	Manual rotation, oil pressure extension, oil pressure grounding
	Maximum Extension	4621mmX4724mm
Traction System	Driving Mode	Hydraulic motor drive, two speed
	Driving Speed	0~2.3km/h
	Gradeability	20
	Track (length*width)	1800mmX300mm
	Ground Pressure	40.8kpa
Diesel Engine	Model	3TNV82
	Displacement	1.331L
	Maximum Output	22.2kw/ 3000min-1
	Starting Method	Electric Start
	Fuel/Volume	Diesel/45L
	Starting Operating	-5°C~40°C
	Battery capacity	12v 80AH
Operation System	Remote control form/distance	Wireless remote control (joystick) /100m
	Lifting and walking operation form	Wireless remote operation
	Engine, motor start and stop form	Wireless remote operation
Electric Motor	Voltage	AC380V
	Power/Speed	7.5kw/1440 min-1
Vehicle Size	Length*Width*Height	4200mm*1280mm*1880mm
Vehicle Weight		4500Kg
Safety Devices		Spirit level, torque limiter, three-color lights, emergency stop button, walking, outriggers, boom interlock, three-turn alarm, one-button hook retraction

Technical Parameters

Spider Crane-SS8.0			
Capacity		8.0T*2.5m	
Max Working Radius		15.7m*0.45T	
Max Ground Lifting Height		18m	
Winch Device	Hook Speed	0-7m/min (6 ropes)	
	Wire Rope	Φ12mmx150m (max)	
Telescopic System	Boom Form	U type automatic 5 section	
	Boom Length	4.61m-16.5m	
	Boom telescopic length/time	34sec(fully extended)	
Heave Device	Boom Angle/Time	0~80°/24.5sec	
Rotary Device	Slew Angle/Speed	0-360°continuous/2.1rpm	
Outrigger	Outrigger	Manual rotation, oil pressure extension, oil pressure grounding	
Traction System	Maximum Extension	(left and right) 5725mm* (front) 5500mm* (rear) 5170mm	
	Driving Mode	Hydraulic motor drive, high and low speed	
	Driving Speed	0-1.40/0-2.9km/h	
	Gradeability	20°	
	Ground Length*Width	2172mmX350mm	
	Ground Pressure	48kpa(0.489kgf/cm2)	
Power System		Displacement	2.19L
		Rated Output Power	25.2kw
		Start Method	electric start
		Use Fuel	diesel fuel
		Fuel Tank Volume	45L
Operation system	Remote control form/distance	Wireless Remote Control/100m	
	Outrigger	Manual Operation	
	Walk	Wireless Remote Control/Manual	
	Boom	Wireless Remote Control/Manual	
Electric Motor	Model	YYB160M-4(three-phaseAC asynchronous moton)	
	Voltage	AC380V(50Hz)	
	Power/Speed	15kw 1460r/min	
Vehicle Size	Length*Width*Height	5000mm*1620mm*2190mm	
Hydraulic Oil Tank Capacity		100L	
Vehicle weight		7350Kg	
Safety Devices		Spirit level, moment limiter, three-color light, emergency stop button, walking, outrigger, boom interlock	

Technical Parameters

Spider Crane-SS10.0		
Model		SPT1009
Specification		10.0t×2.5m
Maximum Operating Radius		19m×0.50t
Maximum Head Above Ground		20.2m×3.0t
Maximum Underground Head		"20m×4.7t (6 ropes) 30m×4.7t (4 ropes) 62m×3.2t (2 ropes) 125m×1.5t (1 rope)"
Winch	Hook Rising Speed	0-12m/min (6 ropes) 0-18m/min (4 ropes)
	Wire Rope Specifications	Φ10mm×150m
Telescopic Device	Boom Form	5-section jib, hexagonal structure
	Boom Length/Time	6.0m-19.6m/55sec
Heave Device	Boom Angle/Time	0-80°/25sec
Rotary Device	Rotation Angle/Speed	0-360°(continuous)/60sec
Outrigger	Form of Outrigger Action	manual+hydraulic
	Maximum Extension (mm)	6850 (long) X7100 (front) X6970 (rear)
Running Gear	Way of Walking	Hydraulic motor drive, two speed
	Walking Speed	0-2.5km/h
	Gradeability	23°(42%)
	Track (Length×Width)	2235mm×400 mm
	Ground Specific Pressure	67kpa (0.68 kgf/cm ²)
Motor	Voltage	AC380V (optional)
	Power/Speed	15kw/1440 min-1
	Noise Level	Rated speed ≤78dB(A) (1m)
Diesel Engines	Model	4TVN88Z(YANMAR)
	Type/Displacement	Four-cylinder water-cooled/2.190L
	Rated Power	32.3kw/2600 min-1
	Start Method	Electric Start
	Boot Performance	-5°C~40°C
	Fuel/Volume	Diesel/60L
	Battery Capacity	12v 60AH
	Fuel Consumption	259g/kW-h
	Noise Level	Rated speed ≤92B(A) (1m)
Emission Standards/Altitude	National III, EPA-Tier4/1200 meters	
Operating System	Type of operation (boom/walking/outrigger/throttle)	Wireless Remote and Dual-Axis Joystick Controller
	Operating Characteristics	Full Proportional Control vs. Proportional Joystick Control
Vehicle Size	Length*Width*Height	6380mm×1780mm×2550mm
Vehicle Weight	Host (not including optional)	11800kg
Standard Configuration	Diesel engine and electric motor (dual power), manual and wireless proportional remote control (dual operation mode), intelligent display, torque limiter, over-roll alarm and automatic stop device, three-turn alarm and automatic stop device, automatic hook retractor, outrigger Position detection device, foot off the ground alarm and automatic stop device, wire rope rope press, EMO switch, three-color light, remote control light, voice announcer, walking/outrigger/arm three-mode interlocking system, data recording	
Optional	Search hook, jib, single rate hook, white crawler, foot block, hanging basket	

Technical Parameters

Spider Crane-SS12.0		
Specification		12t
Maximum Operating Radius		19.8m
Maximum Head Above Ground		21m
Maximum Underground Head		20.5m
Winch	Hook Rising Speed	11m/min (4 ropes)
	Wire Rope Specifications	Medium 14mmX80m
Telescopic Device	Telescopic Arm Form	6-section jib, hexagonal configuration
	Telescopic Arm Length	5.7m-19.8m
	Boom Length/Time	12.3m/54sec
Heave Device	Boom Angle/Time	0-78°/13sec
Rotary Device	Rotation Angle/Speed	0-360°(continuous)/38sec
Outrigger	Form of Outrigger Action	Manual unscrewing + hydraulic telescopic + automatic support (two sections)
	Maximum Extension (Mm)	left and right (7400) front and rear (8190)
Running Gear	Way of Walking	hydraulic motor drive
	Walking Speed	0-2.5km/h
	Gradeability	20°(36%)
Engine	Producer	Quanchai
	Type/Displacement	74 kW
	Start Method	electric start
	Boot Performance	-5°C~40°C
	Fuel/Volume	diesel fuel/
	Battery Capacity	24v 45AH
	Displacement	
Operating System	Type of Operation (Boom/Outrigger)	Manual operation, manual walking
	Operating Characteristics	Manual operation
Vehicle Size	5.7m long, 1.8m wide, 2.4m high	
Self-Respect	11500kg	
Track Size	Length 3200mm Width 400mm	