



Shandong Tianchang Intelligent Equipment Co., Ltd.





COMPANY PROFILE

Shandong Tianchang Intelligent Equipment Co., Ltd. office address is located in the birthplace of Confucius and Mencius culture Jining High-tech Zone, in October 10, 2017 in the Jining high-tech Industrial Development Zone market supervision Administration registered, registered capital of 10 million yuan, in the company's development and growth of 7 years, we have always provided customers with good products and technical support, sound after-sales service Division management and research and development, production, sales, service in one. Its products include excavators, new energy forklifts, lawn mowers, crawler dump trucks, and slip loaders. We have good products and professional sales and technical team, with a number of independent intellectual property rights; The company adopts the mode of combining online and offline, vigorously implements the globalization development strategy and strives to become an internationally renowned company.

PRODUCT SERIES

The excavator, a heavy - duty machine that has become an indispensable part of modern construction, earthmoving, and various industrial operations, stands as a testament to human engineering ingenuity. With its distinctive appearance and immense power, the excavator has revolutionized the way we shape our physical environment.

The most prominent feature of an excavator is its hydraulic arm, a complex system of interconnected booms, sticks, and buckets. The boom is the main horizontal or slightly inclined beam that extends from the upper structure. Connected to the boom is the stick, which can be adjusted in length and angle to reach different areas.



MINI EXCAVATOR



MINI SKID STEER LOADER

TSDTC



MINI DUMPER



REMOTE CONTROL LAWN MOWER



MINI EXCAVATOR TME08

08 Excavator parameter table

NAME	SPECIFICATIONS	NAME	SPECIFICATIONS
engine	KOOP 192F / Briggs & Stratton XR2100	Trace width (mm)	150
power rating (KW)	7.6	tread (mm)	860
Rated rotation speed (rpm)	3600	gauge (mm)	550
number of cylinders	1	Platform ground clearance (mm)	350
effluent standard	Europe 5 / EPA	Minimum ground clearance (mm)	100
Operating weight (KG)	800	Maximum excavation height (mm)	2270
Bucket Volume (m ³)	0.025	Maximum unloading height (mm)	1600
Fuel tank volume (L)	5.5	Maximum excavation depth (mm)	900
Crawler Model Number (mm)	150*72*34	Maximum excavation radius (mm)	2490
Transport Length (mm)	2500	Minimum radius of rotation (mm)	1400
overall bandwidth (mm)	720	Standard bucket (mm)	400
total height (mm)	2000		



Mini Excavator TME10

10 Excavator parameter table

NAME	SPECIFICATIONS	NAME	SPECIFICATIONS
engine	KOOP 192F / Briggs & Stratton XR2100	Trace width (mm)	180
power rating (KW)	7.6	tread (mm)	906
Rated rotation speed (rpm)	890	gauge (mm)	740
number of cylinders	1	Platform ground clearance (mm)	405
effluent standard	Europe 5 / EPA	Minimum ground clearance (mm)	370
weight(KG)	900	Maximum excavation height (mm)	2490
Bucket Volume (m ³)	0.025	Maximum unloading height (mm)	1700
Fuel tank volume (L)	5.5	Maximum excavation depth (mm)	1700
Crawler Model Number (mm)	180*72*37	Maximum excavation radius (mm)	1700
Transport Length (mm)	2700	Minimum radius of rotation (mm)	1490
overall bandwidth (mm)	730	Standard bucket (mm)	400
total height (mm)	2180		
	Big Arm Side Swing		caterpillar track telescopic



Mini Excavator TME12

12. Excavator parameter table

NAME	SPECIFICATIONS	NAME	SPECIFICATIONS
engine	KOOP 192F / Briggs & Stratton XR2100	Trace width (mm)	180
power rating (KW)	7.6	tread (mm)	906
Rated rotation speed (rpm)	3600	gauge (mm)	740
number of cylinders	1	Platform ground clearance (mm)	405
effluent standard	Europe 5 / EPA	Minimum ground clearance (mm)	370
weight (KG)	980	Maximum excavation height (mm)	2490
Bucket Volume (m ³)	0.025	Maximum unloading height (mm)	1700
Fuel tank volume (L)	5.5	Maximum excavation depth (mm)	1700
Crawler Model Number (mm)	180*72*37	Maximum excavation radius (mm)	2900
Transport Length (mm)	2870	Minimum radius of rotation (mm)	1490
overall bandwidth (mm)	930	Standard bucket (mm)	400
total height (mm)	2285		
	Big Arm Side Swing		caterpillar track telescopic



Mini Excavator TME12EV

12 Parameter table of electric excavator

NAME	SPECIFICATIONS	NAME	SPECIFICATIONS
cell	ternary lithium battery	total height (mm)	2285
battery capacity (Ah)	150	The track width is(mm)	180
power of motor (KW)	6.5	tread (mm)	906
Main pump displacement of (mL / r)	8	gauge(mm)	740
working pressure (Mpa)	18	Platform-ground clearance (mm)	405
weight (KG)	1100	The lowest ground clearance is (mm)	370
The bucket volume is (m ³)	0.025	Maximum excavation height of (mm)	2490
Fuel tank volume (L)	10	maximum dump clearance (mm)	1700
Track model (mm)	180*72*37	Maximum excavation depth of (mm)	1700
Working battery life (h)	5-8h	maximum digging radius (mm)	2900
Charging time (h)	6	least radius of gyration (mm)	1490
Transportation length (mm)	2870	Standard dig bucket (mm)	400
overall bandwidth (mm)	985		
Big Arm Side Swing		caterpillar track telescopic	



Mini Excavator TME16

16 Excavator parameter table

NAME	SPECIFICATIONS	NAME	SPECIFICATIONS
engine	"KOOP 192F /292F/Briggs & Stratton XR2100KubotaD722"	The track width is (mm)	180
power rating (KW)	7.6	tread (mm)	1080
rated speed (rpm)	3600	gauge (mm)	895
number of cylinders	1	Platform-ground clearance (mm)	405
effluent standard	Europe 5 / EPA	The lowest ground clearance is (mm)	370
weight (KG)	1350	Maximum excavation height of (mm)	2690
The bucket volume is (m ³)	0.025	maximum dump clearance (mm)	1780
Fuel tank volume (L)	5.5	Maximum excavation depth of (mm)	2100
Track model (mm)	180*72*37	maximum digging radius(mm)	3150
Transportation length (mm)	2900	least radius of gyration (mm)	1580
overall bandwidth (mm)	1100	Standard dig bucket(mm)	400
total height (mm)	2285		
	Big Arm Side Swing		caterpillar track telescopic



Mini Excavator TME18

18 Excavator Parameter List

NAME	SPECIFICATIONS	NAME	SPECIFICATIONS
Engines	Laidong 385/Kubota D902	Track width mm	200
power rating (KW)	18.4	Wheelbase mm	920
Rated speed rpm	2350	Platform ground clearance mm	400
Number of cylinders	3	Minimum Ground Clearance mm	370
Emission standards	EURO 5	Maximum digging height mm	2900
weight (KG)	1500	Maximum unloading height mm	2000
Bucket volume m ³	0.025	Maximum digging depth mm	1900
Hydraulic oil volume L	16	Maximum digging radius mm	3390
Track model mm	200*72*45	Minimum turning radius mm	840
Transport length mm	3322	Expansion width mm	990-1150
Total width mm	1150	Standard bucket mm	400
Total height mm	2385	Engine Options	Kubota/Yanmar
	Big Arm Side Swing		caterpillar track telescopic



Mini Excavator TME28

28 Excavator Parameter List

NAME	SPECIFICATIONS	NAME	SPECIFICATIONS
Engines	Yanmar/3TNV-80F	Track width mm	250
power rating (KW)	14.6	Wheelbase mm	1250
Rated speed rpm	2400	Platform ground clearance mm	500
Number of cylinders	3	Minimum Ground Clearance mm	400
Emission standards	EURO 5	Maximum digging height mm	4160
weight (KG)	2800	Maximum unloading height mm	2850
Bucket volume m ³	0.068	Maximum digging depth mm	2450
Hydraulic oil volume L	31	Maximum digging radius mm	4410
Track model mm	250	Minimum turning radius mm	2135
Transport length mm	4088	Expansion width mm	1360-1560
Total width mm	1500	Standard bucket mm	600
Total height mm	2410	Engine Options	Kubota/Yanmar
	Big Arm Side Swing		caterpillar track telescopic



Mini Excavator TME36

36 Excavator Parameter List

	Bucket capacity	Mm ³	0.08
	Bucket width	MM	500/470
	Operating weight	KG	3750
Fuselage size	Overall length	MM	4612
	Full height	MM	2547
	Full width	MM	1550
	Minimum Ground Clearance	MM	293
Motor	Engine Model	—	D1703-E3
	Engine capacity	ML	1647
	Rated output power	Horsepower (kW)/RPM	25.1PS (18.5KW) /2200rpm
Digging performance	Maximum digging height	MM	4553
	Maximum unloading height	MM	2880
	Maximum digging depth	MM	2875
	Maximum vertical digging depth	MM	1914
	Maximum digging radius	MM	5067
	Maximum digging force	Thousand Newtons (kilogram force)	29.5 (3000)
Caterpillar track	Type track	—	Iron caterpillar track
	Track width	MM	300
Walking part	Overall track length	MM	2085
	Wheel spacing	MM	1628
	Track centre distance	MM	1250
	Minimum turning radius of the tail	MM	906
	Travelling speed	KM/H	2km(Turtle) /4km (Rabbit)
	Climbing ability	°	30
	Slewing speed	rev/min	9.5r/min
Earthmoving shovel	Width of the earthmoving shovel	MM	1550
	The height of the earthmoving shovel	MM	350
	Dozer lifting distance (up and down)	MM	362/372
	Hydraulic system type	—	Load-sensitive
	Maximum system flow rate	—	99L
	Types of hydraulic pumps	—	Variable piston pumps
	Slewing motor type	—	Plunger hydraulic motor
	Travelling motor type	—	2-speed plunger hydraulic motor
	Fuel tank capacity	L	45





Skid steer loader TSS 1000

1000 Skid steer loader parameter list

NAME	SPECIFICATIONS	NAME	SPECIFICATIONS
Engine brand	RATO	Operating weight (Kg)	1500
Horsepower	23HP	Tipping weight(Kg)	650
Configure	Triple pump and triple valve	Loading capacity (Kg)	500
Altitude	1420MM	Maximum travel speed (Km/h)	4
Length	2400MM	Motor	Rato 739
Width	920MM	Work pressure(MPa)	22
Maximum altitude	2610MM	Engine power (Kw/rpm)	16.8/3600
Maximum discharge height	2100MM	Fuel tank volume (L)	20
Maximum pin height	2525MM	Hydraulic system	Open system
Turning radius	1315MM	Hydraulic oil tank volume(L)	20
Total weight	1400KG	Types of hydraulic pumps	3pumps+3valves
Engine rated speed	3600RPM	Working height of the whole machine (mm)	2610
Fuel tank capacity	20L	Height (mm)	1420
Hydraulic oil tank volume	20L	Maximum departure angle (°)	30
Velocity	0-4KM/H	Maximum Ground Clearance (mm)	200



Straight scoop



Crane



Twist drill



Wood gripper



Pallet fork



Lawn mower



Angle cleaner



Four in one bucket



The stump sander



Dozer shovel



Ripper



Snow blade





MiniDumper TMD500

Parameters of dump truck TMD500

NAME	SPECIFICATIONS	NAME	SPECIFICATIONS
engine type:	Briggs & Stratton XR950 four-stroke range, and air cooling	Roll-up bucket angle(°):	100
Total exhaust volume(ML):	208CC	Walking performancespeed(km/h):	2.88
Rated power(kw /rpm):	6.5HP/3600rpm	Minimum radius of rotation(m):	1.15
Fuel type	92 #Gasoline	Track center distance(mm):	520
Fuel consumption(g /kw·h):	≤0.395	Chassis ground clearance (mm)	100
fuel tankage(L):	3.1	Climbing ability(°):	20
Oil capacity(L):	0.6	Hydraulic oil number:	46 #anti-wear hydraulic oil
Body Weight(KG):	410	Hydraulic fuel tank capacity(L):	15
Maximum payload(KG):	500		
Body Size(MM):No foot pedal,nobucket	1570*880*1300		
Including foot pedalbucket size(MM):	2050*880*1300		
Box Size(MM):	1050*730*730		
Chassis Width(MM):	700		
Crawler width(MM):	180		
Crawler ground length(MM):	1000		
Chassis groundclearance(MM):	110		
Container capacity(dm ³)	200		
Fung mode:	Hydraulic bucket		



MiniDumper TMD1000

Parameters of dump truck TMD1000

NAME	SPECIFICATIONS	NAME	SPECIFICATIONS
Engine Model	RATO R500	Tipping System	Hydraulic lift bucket
Engine Type	Gasoline single-cylinder four-stroke 19.5 horsepower	Tilting Angle (°)	100
displacement (ML)	500CC	Hydraulic oil model	46 # Anti-wear Hydraulic Oil
Rated Power(Kw/rpm)	11Kw/3600rpm	Hydraulic tank capacity (°)	20
Fuel Type	92 # gasoline		
Fuel Consumption(g/kw.h)	≤374		
Fuel Tank capacity(L)	6.9		
Engine oil capacity(L)	1.2		
Total Weight(KG)	690		
Upper limit of horizontal transportation load capacity(KG)	800		
Machin size (Without pedal, without bucket) (mm)	1600*900*2000		
Bucket size with foot pedal: (mm)	2000*900*2000		
Container size: (mm)	1450*650*400		
Chassis width: (mm)	700		
track width: (mm)	180		
Track grounding length: (mm)	1200		
Chassis ground clearance: (mm)	110		
Cargo box Capacity	2.2		



Crawler Elevator Dumper 500 Parameters

Crawler Elevator Dumper 500 Parameters

NAME	SPECIFICATIONS	NAME	SPECIFICATIONS
Engine Model:	Briggs & Stratton XR950, single-cylinder, four-stroke, air-cooled	Tipping mode:	hydraulic tipper
Total exhaust volume (ML):	208CC	Bucket lifting height in mm	1560
Rated power (kw/rpm):	6.5HP/3600rpm	Tipping angle (°):	100
Fuel type:	92 # gasoline	Swivel angle (°):	180
Fuel consumption (g/kw -h):	≤0.395	Traveling performance speed (km/h):	2.88
Fuel tank capacity (L):	3.1	Minimum turning radius (m)) :	1.15
Oil capacity (L):	0.6	Track center distance (mm) :	520
Body weight (KG):	490	Chassis ground clearance (mm) :	100
Maximum load (KG):	500	Climbing capacity (°) :	20
Body size (MM):	1570*880*2300	Hydraulic oil No. :	46# Anti-wear hydraulic oil
Without footplate without bucket		Hydraulic oil tank capacity (L):	15
Bucket size with footplate (MM):	2500*880*2300		
Cargo box size (MM):	1050*730*730		
Chassis width (MM):	700		
Track width (MM):	180		
Track grounding length (MM):	1000		
Chassis ground clearance (MM):	110		
Cargo box capacity (dm ³)	200		



Crawler Rotary Dumper 500 Parameters

Crawler Rotary Dumper 500 Parameters

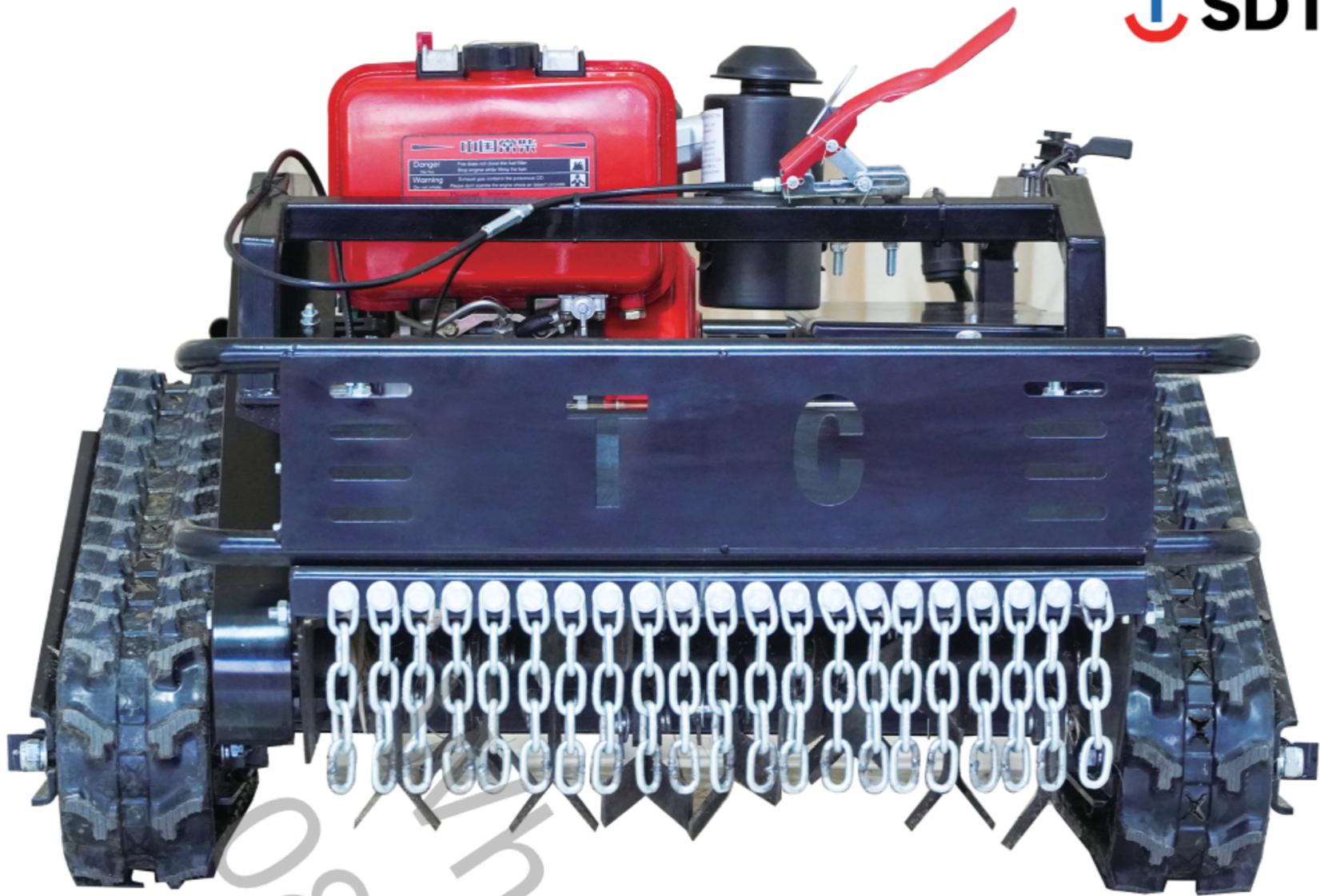
NAME	SPECIFICATIONS	NAME	SPECIFICATIONS
Total exhaust volume (ML):	208CC	Tipping angle (°).	100
Rated power (kw/rpm):	6.5HP/3600rpm	Angle of rotation (°).	180
Fuel type:	92 # gasoline	Travel performance speed (km/h):	2.88
Fuel consumption (g/kw -h):	≤0.395	Minimum turning radius(mm):	1.15
Fuel tank capacity (L):	3.1	Track center distance (mm):	520
Oil capacity (L):	0.6	Chassis Ground Clearance (mm):	100
Body weight (KG):	500	Climbing capacity (°):	20
Maximum load (KG):	500	Hydraulic oil grade:	46# Anti-wear hydraulic oil
Body size (MM):	1570*880*1300	Hydraulic oil tank capacity (L)	15
Without pedals Without bucket			
Bucket size with footplate included (MM):	2050*880*1300		
Cargo box size (MM):	1050*730*730		
Chassis Width (MM):	700		
Track width (MM):	180		
Track grounding length(MM):	1000		
Chassis Ground Clearance (MM):	110		
Tank capacity (dm ³)	200		
Tipping the bucket way:	hydraulic tipper		



Crawler Concrete Mixer 500 Parameters

Crawler Concrete Mixer 500 Parameters

NAME	SPECIFICATIONS	NAME	SPECIFICATIONS
Total exhaust volume (ML):	208CC	Chassis Ground Clearance (MM):	110
Rated power (kw/rpm):	6.5HP/3600rpm	Tipping the bucket way:	hydraulic tipper
Fuel type:	92 # gasoline	Travel performance speed (km/h):	4
Fuel consumption (g/kw -h):	≤0.395	Minimum turning radius(mm):	1.15
Fuel tank capacity (L):	3.1	Track center distance (mm):	520
Oil capacity (L):	0.6	Chassis Ground Clearance (mm):	100
Body weight (KG):	430	Climbing capacity (°) :	20
Diameter of mixing mouth (MM)	360	Hydraulic oil grade:	46# Anti-wear hydraulic oil
Length of mixing barrel (MM)	510	Hydraulic oil tank capacity (L)	15
Capacity (L)	110		
Bucket length (MM)	480		
Hopper spout width (MM)	540		
Body size (MM):	2250*880*1470		
Without pedals Without bucket			
Bucket size with footplate included (MM)	2450*880*1470		
Chassis Width (MM):	700		
Track width (MM):	180		
Track grounding length (MM):	1000		



Remote land cleanr TLC580

Remote land cleanr Product Parameter

NAME	SPECIFICATIONS	NAME	SPECIFICATIONS
Projects	unit Technical parameters	Productivity per operating hour	m ² /h ≥1340
Main engine model	/ 186F/P	Speed of operation	m/min 38-45
Engine power rating	kw 6.8	Fuel consumption	Kg/h m ² ≤12
Engine rated speed	r/min 3600		
Main drive mode	/ belt		
Main clutch form	/ Tension type		
Walking style	/ track		
Walking power	/ Motor drive		
Drive motor model	/ 24V*650W*2		
Motor power	/ 24V20A battery + extended range		
Extended-range generators	/ 28V55A DC Generator		
Control mode	/ remote control		
Dimensions	mm 1200*1020*670		
Structural quality	kg 270		
Spindle speed	r/min 2600		
Number of blades	handful 32		
Stubble height	mm 40-80		
Working width	mm 580		



Remote land cleanr TLC900

Remote land cleanr Product Parameter

NAME		SPECIFICATIONS		NAME		SPECIFICATIONS	
Item	Unit	Technical Parameters		Stubble height	mm	0-200	
Main engine model	/	Changchai 192F		Working width	mm	900	
Formality	/	Single-cylinder, four-stroke, air-cooled, direct injection		Operating hourly productivity	m ² /h	≥1500	
Starting mode	/	Electric Starting		Working Speed	m/min	40-60	
Rated engine power	kw	7.5		Fuel consumption	Kg/h m ²	≤14	
Rated engine speed	r/min	3600					
Main drive type	/	Leather Belt					
Main Clutch Type	/	Expansion-Type					
Walking Style	/	Caterpillar belt					
Walking power	/	Motor drive					
Drive Motor Model	/	24v×1200w×2					
Motor power	/	24V32A battery + range extender					
Extended range generator	/	28V55A DC generator					
Control method	/	Remote Controller					
Overall dimensions	mm	1580×1100×690					
Structural Quality	Kg	315					
Rotational speed of cutter shaft	r/min	2600					
Number of blades	handful	45					