

MINGKO MACHINERY

Your First Choice



MINI EXCAVATOR

SHANDONG MINGKO MACHINERY



www.gagoon.cr



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ABOUT US



COMPANY PROFILE

Shandong Mingko Machinery Co., Ltd. (hereinafter referred to as “Mingko”) was formerly established as Jining Mingko Machinery Factory in 1990, located in the 23-1 , Jinyu Road, National High-tech Zone, Jining City, Shandong Province. At 1990, Mingko Machinery Factory provided casting products and technical services to Well-known companies include Shantui Construction Machinery, Komatsu Construction Machinery, XCMG Machinery Jining Service Center, Kubota Construction Machinery Jining Service Center, etc. In 2022, the company leaders reintegrated resources and talent advantages, and invested 20 million RMB to establish Shandong Mingko Machinery Co., Ltd. covers an area of 3,500 square meters and has more than 150 employees, including 2 senior engineers who have served Komatsu construction machinery, and 3 design designers who graduated from key universities in China and have more than 10 years of work experience.



PRODUCT RESEARCH

Mingko Machinery is mainly engaged in different kinds of loaders ,espeically on mini skid steer loaders ,compact articulated front wheel loader,backhoe loader ,as well as battery powerd mini wheel loader . Mingko Machinerystarted to develop skid steer loaders in 2020. The first model is MK380 wheeld typeskid steer loader,when first time launched to maket,it has been recognized by the majority of farmers and building contractors. The mini skind steer loaders independently developed by Mingko Machinery is sufficient power, durability use and low failure rate. It has obtained national design patents and EU CE certification. So far, Mingko has produced and exported more than 1500 pieces loaders each year.



GOAL OF DEVELOPMENT

Mingko Machinery global sales volume reaches 100 countries and regions. The development goal of Mingko is to be the leading intelligent machine for mowing and weeding at home and abroad, and to provide users with first-class technical services. The company will continue to uphold the corporate philosophy of "innovation, leadership, professionalism, and win-win", and join hands with new and old customers and local governments to seek common development and create brilliance together!

3500

Manufacturing Area is 5000 m²

CE

European Union CE certification

100+

Exported to More than 177 Countries

TÜV

TUV Rheinland

ISO

ISO9001 International Quality System Certification

SGS

SGS Certification

CERTIFICATE OF HONOR



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SHANDONG MINGKO MACHINERY

MK108 MINI EXCAVATOR

★ MK108 multi-functional mini excavator complies with Euro 5 standards and EPA environmental requirements, has ISO and CE certification, and supports OEM and ODM customization. The four-legged shed can be replaced with a closed cab, and the engine is powerful.



MINI EXCAVATOR



SIDE DISPLAY



BACK DISPLAY

Technical parameters	
weight	1000kg
digging bucket capacity	0.025cbm/120kg
bucket width	380mm
engine	koop (292f)
optional engine	briggs & stratton yanmar
bore stroke	single cylinder, fan cool
rated power	7kw/3000r/min
displacement	6.8ml/r
travel speed	1.5km/h

Main demensions	
overall dimension(lwxh)	2775 x 930 x 2219 mm
wheelbase	910mm
total length of track	1230mm
platform ground clearance	380 mm
platform back turning radius	784 mm
chassis width	897 mm
track width	180 mm
chassis ground clearance	132 mm
track height	320 mm

Operating range	
max. digging depth	1750 mm
max. vertical digging depth	1375 mm
max. digging height	2610 mm
max. dumping height	1850 mm
max. digging radius on ground	2850 mm
min. rotation radius	1330 mm
max. upgrade height of bulldozer blade	345 mm
max. digging depth of bulldozer blade	255 mm

MINGKO

MK108 mini excavator can achieve a multi-purpose, digging bucket can be replaced with flat bucket, rake, narrow bucket, soil breaker, auger, breaking hammer, trailer and other accessories.



MKP108 MINI EXCAVATOR

★ MKP108 High Performance , Strong power ensures reliability in tough working conditions. Higher Comfortability , The suspension seat with a higher backrest and adjustable wrist rest improves the comfortable operation experience.



MINI EXCAVATOR



SIDE DISPLAY



BACK DISPLAY

MINGKO

MKP108 mini excavator can achieve a multi-purpose, digging bucket can be replaced with flat bucket, rake, narrow bucket, soil breaker, auger, breaking hammer, trailer and other accessories.

Technical parameters	
weight	1000kg
Digging bucket capacity	0.025cbm/120kg
Bucket width	380mm
Engine	B&S Gasoline engine/Koop
Rated power	10.1KW/7KW
Bore stroke	70 x 55
Displacement	0.211 L
Travel speed	1. 5km/h
Displacement	6.8ml/r
Wheelbase	910 mm
Total length of track	1230mm
Platform ground clearance	380mm
Platform back turning radius	784 mm
Chassis width	896 mm
Track width	180 mm
Chassis ground clearance	132 mm
Track height	320 mm
Max. Digging depth	1750 mm
Max. Vertical digging depth	1550 mm
Max. Digging height	2610 mm
Max. Dumping height	1850 mm
Max. Digging radius on ground	3050 mm
Min. Rotation radius	1330 mm
Max. Upgrade height of bulldozer blade	345mm
Max. Digging depth of bulldozer blade	255 mm
Overall dimension(LxWxH): 2900mm x 900mm/930mm x 22180 mm	





MK109 MINI EXCAVATOR

★ MK109 multi-functional mini excavator complies with Euro 5 standards and EPA environmental requirements, has ISO and CE certification, and supports OEM and ODM customization. The four-legged shed can be replaced with a closed cab, and the engine is powerful.



MINI EXCAVATOR



SIDE DISPLAY



BACK DISPLAY

Technical parameters	
weight	1000kg
Digging bucket capacity	0.025cbm/120kg
Bucket width	380mm
Engine	RATO 13.5HP
Bore stroke	Single cylinder, fan cool
Rated power	7kw/3000r/min
Main pump	G5-6
Displacement	6.8ml/r
Swing motor	SANYANG (BMRS-250)

Main demensions	
overall dimension(lwxhxh)	2775 x 930 x 2219 mm
wheelbase	910mm
total length of track	1230mm
platform ground clearance	380 mm
platform back turning radius	784 mm
chassis width	896 mm
track width	180 mm
chassis ground clearance	132 mm
track height	320 mm

Operating range	
max. digging depth	1650 mm
max. vertical digging depth	1375 mm
max. digging height	2610 mm
max. dumping height	1850 mm
max. digging radius on ground	2850 mm
min. rotation radius	1330 mm
max. upgrade height of bulldozer blade	345 mm
max. digging depth of bulldozer blade	255 mm

MINGKO

MK109 mini excavator can achieve a multi-purpose, digging bucket can be replaced with flat bucket, rake, narrow bucket, soil breaker, auger, breaking hammer, trailer and other accessories.



MK10G MINI EXCAVATOR

★ MK10G multi-functional mini excavator complies with Euro 5 standards and EPA environmental requirements, has ISO and CE certification, and supports OEM and ODM customization. The four-legged shed can be replaced with a closed cab, and the engine is powerful.



SIDE DISPLAY BACK DISPLAY

Technical parameters	
weight	890kg
Digging bucket capacity	0.02cbm/120kg
Rotation speed	12RMP
Climbing capacity	30°
Engine	KOOP 192/Kubota
Main Valve	Beifang
Rated power	10.2KW/2500RPM
Overall length / transport length A/M	4000/2380mm
Overall width B	940mm
Overall height (cab roof) C	2268mm
Total track width D	930mm
Standard track plate width E	180mm
Track gauge F	750mm
Wheelbase H	884mm
Track ground length I	962mm
Track length J	1204mm
Minimum ground clearance K	100mm
Tail swing radius L	810mm
Max. Digging height	2455mm
Max. Dumping height	1605mm
Max. Digging depth	1855 mm
Max. Digging radius on ground	3050mm
Max. digging radius	3130mm

MINGKO

MK10G mini excavator can achieve a multi-purpose, digging bucket can be replaced with flat bucket, rake, narrow bucket, soil breaker, auger, breaking hammer, trailer and other accessories.



MK158 MINI EXCAVATOR

★ MK158 Due to its small size and very high operational flexibility, small excavators can adapt to many small space operations, and can be operated indoors and outdoors.



MINI EXCAVATOR



SIDE DISPLAY



BACK DISPLAY

MINGKO

MK158 mini excavator can achieve a multi-purpose, digging bucket can be replaced with flat bucket, rake, narrow bucket, soil breaker, auger, breaking hammer, trailer and other accessories.

Technical parameters

weight	1500kg
Digging bucket capacity	0.025cbm/120kg
Bucket width	380mm
Engine	KOOP (292F)
Bore stroke	double cylinder, Air cool
Rated power	14 kw/3000r/min
Displacement	0.794 L
Travel speed	3.5km/h

Main demensions

Overall dimension(LxWxH)	2550x940x1380 mm
Wheelbase	770mm
Total length of track	1090mm
Platform ground clearance	380 mm
Platform back turning radius	733 mm
Chassis width	940 mm
Track width	180 mm
Chassis ground clearance	380 mm
Track height	320 mm

Operating range

max. digging depth	1650 mm
max. vertical digging depth	1800 mm
max. digging height	2610 mm
max. dumping height	1850 mm
max. digging radius on ground	2850 mm
min. rotation radius	1330 mm
max. upgrade height of bulldozer blade	345 mm
max. digging depth of bulldozer blade	255 mm





SHANDONG MINGKO MACHINERY

MK158P MINI EXCAVATOR

★ MK158P In terms of excavation, loading and unloading, migration, etc., due to the small characteristics of the small excavator itself, it can be faster, more time-saving and easier to complete the overall operation.



MINI EXCAVATOR

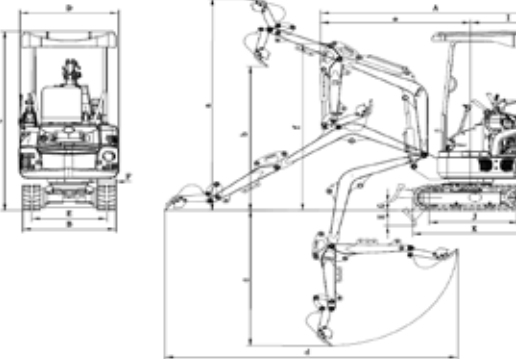
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SIDE DISPLAY



BACK DISPLAY



Main components/Overall size

Engine	KOOP/Briggs&Stratton
Transport lengthA	2300mm
overall widthB	930mm
Upper widthD	990mm
Overall height (cab roof)C	2270mm
Standard track plate widthF	180mm
gaugeE	750mm
Shovel height above groundG	110mm
Bulldozer push digging depthH	200mm
Tail Swing RadiusI	800m
Track grounding lengthJ	890mm
Track lengthK	1235mm

Scope of work

Maximum digging height a	2690mm
Maximum unloading height b	1825mm
Maximum digging depth c	1710mm
Maximum digging distance d	2920mm
Minimum Turning Radius e	1500mm
Maximum height at minimum turning radius f	2110mm

Performance Parameters

Weight (KG)	500kg
Bucket capacityM^3	0.02
Type of working equipment	backhoe
climbing ability	30°

MK18 MINI EXCAVATOR

★ MK18 multi-functional mini excavator complies with Euro 5 standards and EPA environmental requirements, has ISO and CE certification, and supports OEM and ODM customization. The four-legged shed can be replaced with a closed cab, and the engine is powerful.

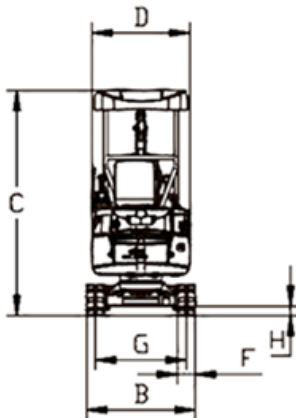
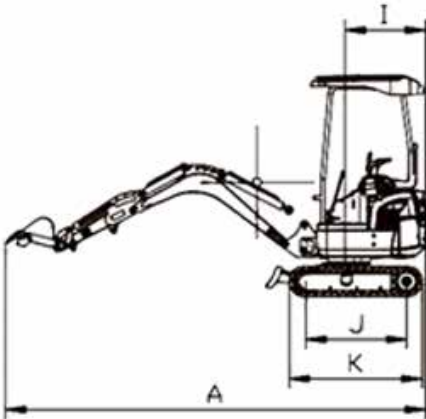
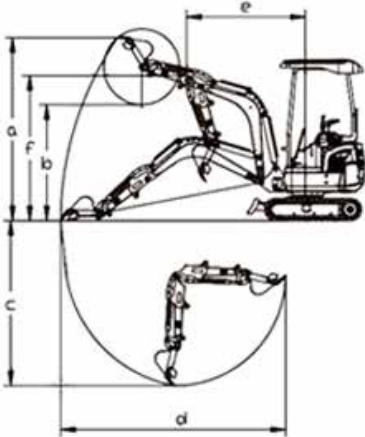


SIDE DISPLAY



BACK DISPLAY

Performance Parameter	
Operating weight (KG)	1560KG
bucket capacity	0.03
Bucket width	40cm
rated power	10.2KW/2500RPM
Swing speed	12RMP
Gradeability	30 degrees
Engine	KUBOTA D722
Main valve	Beifang
Hydraulic oil tank capacity	21L
Working Range	
Max.digging height a	2580mm
Max. uploading height b	1637mm
Max.digging depth c	2060mm
Max. digging distance d	3160mm
Mini. radius of gyration e	1711mm
Max.height at minimum radius of gyration f	2048mm
Overall Dimensions	
Overall length	4325mm
Transport length A	1655mm
Overall width B	1100mm
Upper width D	990mm
Total height C	2272mm
Width of track shoe F	180mm
Gauge G	920mm
Minimum ground clearance H	119mm
Tail turning radius I	790mm
Track ground length J	1050mm
Track length K	1545mm
Swing Boom (Lift/Right)	60 degrees



MK18U MINI EXCAVATOR

★ MK18U Small excavators can be installed with a variety of auxiliary working tools, such as crushing hammers, hydraulic pliers, etc., suitable for work in narrow areas.



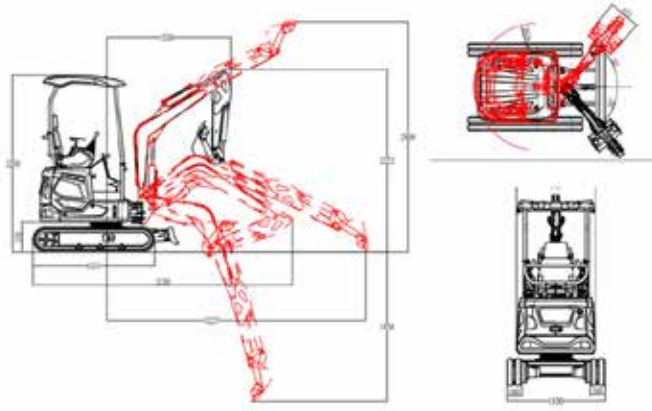
SIDE DISPLAY



BACK DISPLAY

MINGKO

Technical parameters	
engine	Laidong LD385/Kubota D722
Power	39HP
weight	1300KG
Bucket capacity	0.04m³
Track width	180mm
Track length	1500mm
Bucket width	415mm
Digging height	2900mm
Digging depth	2000mm
Transport length	2550mm
Unloading height	2000mm
Overall height	2150mm
Ground clearance	380mm
Wheelbase	920mm
Chassis width	1100mm
Chassis length	1800mm
Ground Digging Radius	3227mm
Turning radius	840mm
Overall Dimension	2250*1100*2200mm
Shovel Lifting Height	325mm





MK20 MINI EXCAVATOR

★ MK20 High performance. Excavators have high strength and efficient working capacity, which can provide greater benefits under various construction conditions.



MINGKO



SIDE DISPLAY



BACK DISPLAY

Overall Dimension

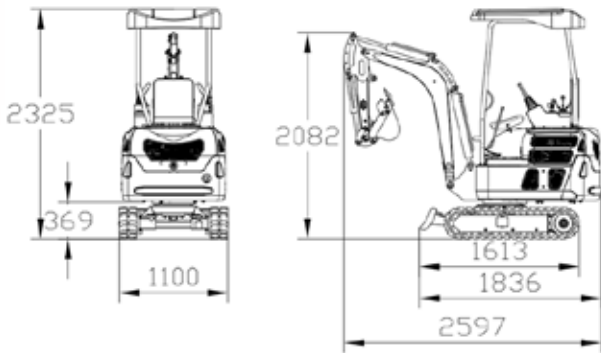
Total length/transportation length	3337mm/2597mm
Total width	1100mm
Upper width	1053mm
Total Height	2325mm
Track width	180mm
Track Gauge	920mm
Mini. ground clearance	119mm
Tailswing Radius	1013mm
Track ground length	1050mm
Track length	1545mm

Main components/Specification

Engine	Kubota D902 11.8kw China Laidong 385 3TN25 19KW
Vavle	Beifang
Working (KG)	2000
Bucket capacityM^3	0.02
Rated power	19KW/2200RPM
Revolution speed	12RMP
Gradeability	30°

Working range

Max. Digging Height	2580mm
Max. Dumping Height	1637mm
Max. digging depth	2060mm
Max. digging distance	3130mm
Min. swing Radius	1575mm
Height when min.swing radius	2075mm



MK25U-8 MINI EXCAVATOR

★ MK25U-8 In terms of excavation, loading and unloading, migration, etc., due to the small characteristics of the small excavator itself, it can be faster, more time-saving and easier to complete the overall operation.



MINI EXCAVATOR

MINGKO



SIDE DISPLAY



BACK DISPLAY

Product parameter	
Model	MK25U-8
Bucketcapacity	0.08m³
Walkingspeed	2.6Km/h
Rotationspeed	10r/min
Totallength	4080mm
Totalwidth	1350mm
Totalheight	2200mm
Crawlerlength	1900mm
Crawlerwidth	230mm
Bodywidth	1060mm
Maximum digging height	3710mm
Maximumdumpingheight	2480mm
Maximumdiggingdepth	2250mm
Maximumdiggingradius	4020mm
Platformclearancetoground	458mm
Swingangle	360°
Climbinggradient	30°
Engine: Laidong3TE30,22.1Kw/Kubota/Yanmar	



Laidong3TE30,22.1Kw/Kubota/Yanmar



The cab is equipped with a fire extinguisher and fan for added safety and comfort.





SHANDONG MINGKO MACHINERY

MK25U-9 MINI EXCAVATOR

★ MK25U-9 multi-functional mini excavator complies with Euro 5 standards and EPA environmental requirements, has ISO and CE certification, and supports OEM and ODM customization. The four-legged shed can be replaced with a closed cab, and the engine is powerful.



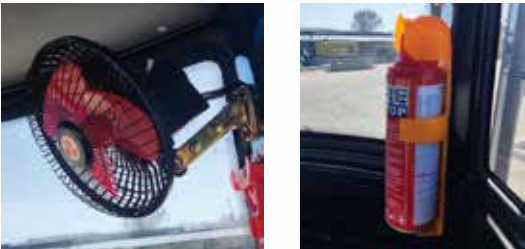
MINI EXCAVATOR

MINGKO



SIDE DISPLAY FRONT

Product parameter	
Machine Size	2700*1300*2550mm
Operating weight	2500kg
bucket capacity	0.06m3
Track width	250mm
Track Length	1800mm
Digging bucket width	420mm
digging height	3400mm
digging depth	2600mm
Dumping Height	2673mm
Chassis width	1300mm
Chassis length	2160mm
Excavation radius	4163mm
turning radius	756mm
dozer blade height	290mm
Engine:Kubota D1105 14.2KW/Changchai 390 20kw	



The cab is equipped with a fire extinguisher and fan for added safety and comfort.



MK30 MINI EXCAVATOR

★ MK30 multi-functional mini excavator complies with Euro 5 standards and EPA environmental requirements, has ISO and CE certification, and supports OEM and ODM customization. The four-legged shed can be replaced with a closed cab, and the engine is powerful.



SIDE DISPLAY

BACK DISPLAY

Product parameter	
Name	CrawlerExcavator
Model	MK30
Bucketcapacity	0.1m³
Engine	Laidong,3TE30,22.1Kw/Kubota
Walkingspeed	2.7Km/h
Rotationspeed	10r/min
Totallength	4180mm
Totalwidth	1350mm
Totalheight	2200mm
Crawlerlength	2000mm
Crawlerwidth	230mm
Bodywidth	1350mm
Maximumdiggingheight	3900mm
Maximumdumpingheight	2600mm
Maximumdiggingdepth	2500mm
Maximumdiggingradius	4040mm
Platformclearancetoground	458mm
Swingangle	360°
Climbinggradient	30°



The cab is equipped with a fire extinguisher and fan for added safety and comfort.

MK30U-6A MINI EXCAVATOR

★ MK30U-6A multi-functional mini excavator complies with Euro 5 standards and EPA environmental requirements, has ISO and CE certification, and supports OEM and ODM customization. The four-legged shed can be replaced with a closed cab, and the engine is powerful.



MINI EXCAVATOR



Engine	
Emission Standard	EPA4/EURO 5
Make	KUBOTA
Model	D1105
Power /Rotation speed	14kw(19HP)@2200rpm
Number of cylinder	3
Type	Water cooled, in-line,4-stroke,mechanical pump. Naturally aspirated
Max. torque of engine	70.3Nm/ 1600rpm
Displacement of engine	1.123L
Engine oil capacity	5.1L

Track system	
Maximum Travel speed(High-Low speed	2.6/4.5km/h
Width of track shoe(Rubber)	300mm
Carrier roller(one side)	1
Support wheel(one side)	3

Performance parameter	
Standard bucket capacity	0.1m³
Width of standard bucket	500mm
Swing speed	10 rpm
Max. Grade ability	58%
Max. Bucket digging force	23.5KN
Max. Arm digging force	14KN
Hydraulic system pressure	20.5Mpa
Ground pressure	24Kpa
Machine weight	2750kg
Fuel tank capacity	23L
Hydraulic oil tank capacity	24L
Flow of main pump(Variable piston pump)	61.6L/ min

Machine size	
Overall dimension (L*W*H)	4195mm*1550mm*2480mm
Axle base(Track length on ground)	1565mm
Track gauge	1250mm
Min.Ground clearance	286mm
Swing radius at tail	860mm
Boom length	2200mm
Arm length	1300mm

Working range	
Max. Digging height	4427mm
Max. Dumping height	3005mm
Max. Digging depth	2830mm
Max. Vertical digging depth	2530mm
Max. Digging radius	4835mm
Min .swing radius at front	2160mm
Max. Lifting height of blade	308mm
Max. Cutting depth of blade	363mm
Boom swing angle(Left)	69°
Boom swing angle(Right)	45°



SIDE DISPLAY

MK35 MINI EXCAVATOR

★ MK35 multi-functional mini excavator complies with Euro 5 standards and EPA environmental requirements, has ISO and CE certification, and supports OEM and ODM customization. The four-legged shed can be replaced with a closed cab, and the engine is powerful.



SIDE DISPLAY



FRONT

Product parameter	
Name	CrawlerExcavator
Model	MK35
Bucketcapacity	0.1m³
Engine	Xinchai,490,36.8Kw/Kubota
Walkingspeed	2.7Km/h
Rotationspeed	10r/min
Totallength	4180mm
Totalwidth	1500mm
Totalheight	2200mm
Crawlerlength	2300mm
Crawlerwidth	250mm
Bodywidth	1500mm
Maximumdiggingheight	3900mm
Maximumdumpingheight	2600mm
Maximumdiggingdepth	2500mm
Maximumdiggingradius	4040mm
Platformclearancetoground	458mm
Swingangle	360°
Climbinggradient	30°



The cab is equipped with a fire extinguisher and fan for added safety and comfort.

MK35U -7 MINI EXCAVATOR

★ MK35U-7 High Performance, Strong power ensures reliability in tough working conditions. Higher Comfortability, The suspension seat with a higher backrest and adjustable wrist rest improves the comfortable operation experience.



MINI EXCAVATOR



Engine	
Emission Standard	Euro 5,EPA4
Make /Model	KUBOTA /D1703
Power /Rotation speed	18.2kw(25HP)@2200rpm
Number of cylinder	3
Type	In-line,water cooled, 4-stroke , mechanical pump, normally aspirated
Max.torque	97.4N.m/1500rpm
Displacement	1.642L

Machine size	
Overall dimension (L*W*H)	4915mm*1720mm*2525mm
Axle base(Track length on ground)	1670mm
Length of rubber track	2154mm
Track gauge	1420mm
Minimum Ground clearance	295mm
Swing radius at tail	860mm
Swing radius at front	2538mm

Track driving system	
Maximum Travel speed(High/low)	4.4/2.4km/h
Width of steel track shoe	300mm
Carrier roller(Each side)	1
Supporting roller(Each side)	4

Working range	
Maximum Digging height	4800mm
Maximum Dumping height	3406mm
Maximum Digging depth	3208mm
Maximum Vertical digging depth	2957mm
Maximum Digging distance(working radius)	5480mm
Maximum digging distance (on ground)	5359mm
Minimum swing radius	2530mm
Max.height when min.swing radius	3655mm
Maximum Lifting height of blade	365mm
Maximum Cutting depth of blade	385mm
Boom swing angle(Left/Right)	55°/65°

Performance parameter	
Standard Bucket capacity	0.12m³
Swing speed	12rpm
Maximum Grade ability	58%(30°)
Ground pressure	32Kpa
Maximum Bucket digging force	30.4KN
Maximum Arm digging force	18.2KN
Hydraulic system pressure	22.5Mpa
Machine weight	3810kg
Boom length	2535mm
Arm length	1400mm
Fuel tank capacity	40L
Hydraulic oil tank capacity	44L
Engine oil capacity	7L
Radiator capacity	3.8L
Final drive	2*0.7L



SIDE DISPLAY

MK60 MINI EXCAVATOR

★ MK60 High performance. Excavators have high strength and efficient working capacity, which can provide greater benefits under various construction conditions.



Basic parameters of the whole machine

Total weight	6000KG
shipping length	5850mm
Total height during transportation	2575mm
Upper shelf / chassis width	1880mm
track width	400mm
Track length	2540mm
Track gauge	1880mm
Min.ground clearance	680mm
Boom length	3000mm
Stick length	1600mm

Working Range

Max.Digging Height	5760(MM)
Max.Dumping Height	4030(MM)
Max.Digging Depth	3820(MM)
Max.Digging radius	6150(MM)
Minimum radius of gyration	2250(MM)
Maximum lifting height of earth shovel	359(MM)
The maximum digging depth of dozer	268(MM)
Min Tail swing radius	1170(MM)

Dynamical system/Hydraulic System

Model	Yanmar 4TNV94
power	37.4KW /2200rpm
Cooling method	water-cooling
Operating Pressure	28mpa
L/MIN	109L/min
pump	Plunger
Walking motor	Two speed plunger
Shape	Load Sensing System

performance parameter

Bucket Capacity	0.3m³
Climbing ability	35°
Maximum digging force	5560N
Travel speed	2.4-3.8KM/h
Unit swing speed	8-10r/min
Hydraulic tank capacity	32L



ACCESSORIES

- One Machine, multi-usage
- Quick and easy replacement of accessories



200mm narrow bucket with teeth



600/800/1000mm Plain bucket



600/800/1000/1200mm Tilt Bucket



Grapple



Grapple



All-in-one hydraulic thumb clamp



Hydraulic rotary grapple



Mechanical thumb clamp



Hydraulic thumb clamp



Sand bucket



Steel track



Rake



Ripper



Simple quick hitch



Semi-automatic hydraulic hitch



Hydraulic quick hitch



Hydraulic rotary quick change



Log splitter



Rotary quick hitch joint



Auger



Break hammer



Grass trimmer



Root topper



Cropper



Fork



Trailer