

**With Quality To The World**



ADD.: AVIC Park, Zhoukou Road, Qindao, P.R.C.  
Phone: +86-13192680999  
Email: jack@manherr.com  
Facebook: @Manherrexavator  
Website: www.manherr.com



With Quality  
To the World

**MANHERR**  
**MACHINERY**

**MANHERR MACHINERY (QINGDAO) CO., LTD.**



## ABOUT US



### High-Value Solution Supplier

Win-Win Cooperate for longterm partner



## MANHERR MACHINERY

Manherr Machinery (QingDao) Co., Ltd. is a sister company of MANHERR HOLDING (UK) CO., LTD. As a young and vibrant construction machinery manufacturing enterprise, Manherr team is in possession of advanced machinery manufacturing technology gene and continuous R&D bloodline.

Adhering to the product concept of "affordable cost", "stable performance" and "convenient maintenance", we are deeply engaged in the field of construction machinery manufacturing. Manherr excavators apply mature hydraulic technology, adopt internationally famous hydraulic parts with stable performance and excellent quality control. Integrating reliable performance, stable quality and efficient service in one, Manherr has provided high-quality service for agricultural, construction engineering and mining users around the world.

**Keep up with the news,  
keep pace with the times,  
keep going with the times.**



## Hydraulic Crawler **EXCAVATOR**

- Optimize the design of the boom and structure, which is stronger and more durable, and has better flexibility.
- Optimized hydraulic system for a balance of power and speed with simple adjustments.
- In corners that are easily overlooked, we still use reliable parts to bring overall stability.

Reliable, Durable, Affordable



## **RELIABLE, COMPONENT-BASED** *STABLE AND EFFICIENT*

With Quality  
To the World

### Hydraulic System

MANHERR adopts internationally renowned hydraulic components such as Rexroth/Kawasaki/KYB/doosan, which are originally produced in Europe, Japan and South Korea, to ensure the working efficiency and stability .



### Powerful Engine

Isuzu, Cummins, MAN and other mainstream brands are all available, and can be replaced in batches according to customer needs. MANHERR team will match you with the most suitable products for you.



Reliable, Durable, Affordable





MX series

Hydraulic excavator

Stable, efficient, flexible and durable  
Korea style excavator

Specifications

MX-L



Model	MX230LC			MX300LC			MX380LC			MX520LC		
Bucket	1.05cbm			1.65 cbm			1.95/2.15cbm			3.2cbm		
Operating Weights												
With full fuel tank; 79-kg (175 lb.) operator; 666-kg (1,468 lb.) general-purpose bucket												
Operating Weight	21700kg			30545 kg			37800 kg			50800 kg		
Engine												
Manufacturer and Model	ISUZU 4HK1X/ CUMMINS Q5B			ISUZU 6HK1X/CUMMINS Q5C			ISUZU 6HK1X/CUMMINS Q5C			MAN DE12/CUMMINS Q5M11		
Non-Road Emission Standards	China Tier III			China Tier III			China Tier III			China Tier III		
Net Rated Power	133kW (178 hp) @2000rpm			212kW (284 hp) @2000rpm			212kW (284 hp) @2000rpm			280kW (375 hp) @2000rpm		
Cylinders	4			6			6			6		
Displacement	5.193 L			7.78 L			7.78 L			10.1 L		
Hydraulics												
Main Pumps	2 variable-displacement axial-piston pumps			2 variable-displacement axial-piston pumps			2 variable-displacement axial-piston pumps			2 variable-displacement axial-piston pumps		
Maximum Rated Flow	212*2 L/m			272*2 L/m			282*2 L/m			355*2 L/m		
System Operating Pressure	32.4Mpa /34.3MPa			32.4Mpa /34.3MPa			32.4Mpa /34.3MPa			32.4Mpa /34.3MPa		
Cylinders												
	Bore	Rod Diameter	Stroke	Bore	Rod Diameter	Stroke	Bore	Rod Diameter	Stroke	Bore	Rod Diameter	Stroke
Boom (2)	120 mm (4.72 in.)	85 mm (3.35 in.)	1254 mm (49.02	140 mm (5.51 in.)	95 mm (3.74 in.)	1450 mm (57.08	150 mm (5.90 in.)	100 mm (3.93 in.)	1430 mm (56.30	170 mm (6.69 in.)	115 mm (4.52 in.)	1650 mm (64.96
Arm (1)	135 mm (5.31 in.)	95 mm (3.74 in.)	1538 mm (60.55	150 mm (5.90 in.)	105 mm (4.13 in.)	1670 mm (65.75	170 mm (6.69 in.)	120 mm (4.72 in.)	1812 mm (71.34	190 mm (7.48 in.)	130 mm (5.11 in.)	1850 mm (72.83
Bucket(1)	120 mm (4.72 in.)	80 mm (3.15 in.)	1050 mm (41.34	135 mm (5.31 in.)	90 mm (3.54 in.)	1150 mm (45.28	150 mm (5.90 in.)	100 mm (3.93 in.)	1278 mm (50.31	170 mm (6.69 in.)	115 mm (4.52 in.)	1341 mm (52.79
Under frame												
Rollers (each side)												
Carrier Rollers	2			2			2			2		
Track Rollers	8			9			9			9		
Track	600mm*4440			600mm			600mm			600mm		
Guides	Center			Center			Center			Center		
Swing Mechanism												
Swing Motor	Axial piston motor			Axial piston motor			Axial piston motor			Axial piston motor		
Swing Speed	10.7 rpm			9.4 rpm			8.2 rpm			8.3 rpm		
Operating Dimensions												
Arm Digging Force												
	SAE	97.1 kN		131 kN		191 kN		131 kN				
	ISO	102.9 kN		139 kN		200 kN		139 kN				
Bucket Digging Force												
	SAE	136.3 kN		187 kN		225 kN		187 kN				
	ISO	144.1 kN		198 kN		254 kN		198 kN				
A	Maximum Reach	9.91 m (32.51 ft.)		10.705 m (35.12 ft.)		10.845 m (35.58 ft.)		10.705 m (35.12 ft.)				
	Maximum Reach at	9.735 m (31.93 ft.)		9.92 m (32.54 ft.)		10.635 m (34.89 ft.)		9.92 m (32.54 ft.)				
B	Maximum Digging Depth	6.625 m (21.73 ft.)		7.19 m (23.59 ft.)		7.135 m (23.41 ft.)		7.19 m (23.59 ft.)				
	Maximum Cutting Height	9.66 m (31.69 ft.)		10.459 m (34.31 ft.)		10.1 m (33.16 ft.)		10.459 m (34.31 ft.)				
C	Maximum Dumping Height	6.81 m (22.34 ft.)		7.47 m (24.51 ft.)		7.18 m (23.55 ft.)		7.47 m (24.51 ft.)				
	Minimum Swing Radius	3.57 m (11.71 ft.)				4.485m(14.71 ft.)						
D	Maximum Vertical Wall	6.405 m (19.83 ft.)		4.91 m (16.1 ft.)		3.81 m (12.5 ft.)		4.91 m (16.1 ft.)				
	Tail-Swing Radius	2.84 m (9.31 ft.)		3.2 m (10.5 ft.)		3.53 m (11.58 ft.)		3.2 m (10.5 ft.)				

MX SERIES

KOREAN TYPE

HYDRAULIC EXCAVATOR







MX SERIES

KOREAN TYPE  
HYDRAULIC EXCAVATOR



MX series

Hydraulic excavator

Stable, efficient, flexible and durable  
Korea style excavator



With Quality  
To the World

Specifications

MX- S

Model	MX60	MX80	MX150W
Bucket	0.18cbm	0.3 cbm	0.57cbm
Operating Weights			
With full fuel tank; 79-kg (175 lb.) operator; 666-kg (1,468 lb.) general-purpose bucket			
Operating Weight	5700kg	7500 kg	13520 kg
Engine			
Manufacturer and Model	Yanmar 4TNV94L	Yanmar 4TNV98	ISUZU 4HK1X
Net Rated Power	36.2kW (48.5 hp) @2100rpm	39kW (52 hp) @2200rpm	120kW (163 hp) @2000rpm
Cylinders	4	4	4
Displacement	5.193 L	3.32L	5.2 L
Powertrain			
Maximum Travel Speed			
Low	2.7 km/h	2.9 km/h	3.9km/h
High	4.0 km/h	4.5 km/h	38 km/h
Under frame			
Rollers (each side)			
Carrier Rollers	1	1	
Track Rollers	4	5	
Track	380mm	450mm	
Guides	Center	Center	
Swing Mechanism			
Swing Motor	Axial piston motor	Axial piston motor	Axial piston motor
Swing Speed	9.3 rpm	10.4 rpm	12.1 rpm
Serviceability			
Refill Capacities			
Fuel Tank	100L	130L	280L
Hydraulic Tank	62L	90L	110L
Operating Dimensions			
Arm Digging Force			
ISO	27.45 kN	36.2 kN	69.6 kN
Bucket Digging Force			
ISO	38.25 kN	52.3 kN	89.9kN
A Maximum Reach	6.16 m (20.2 ft. )	6.27 m (20.57 ft. )	7.615 m (24.98 ft. )
A <sup>1</sup> Maximum Reach at	6.025 m (19.77 ft. )	6.115 m (20.06 ft. )	
B Maximum Digging Depth	3.775m (12.39 ft. )	4.08 m (13.39 ft. )	4.477 m (14.69ft. )
C Maximum Cutting Height	5.725 m (18.78 ft. )	7.1 m (23.29 ft. )	8.336 m (27.35 ft. )
D Maximum Dumping Height	4.055 m (13.3 ft. )	5.17 m (16.69 ft. )	5.974 m (19.60 ft. )
E Minimum Swing Radius	2.43 m (7.97 ft. )	1.745m (5.72 ft. )	2.458 m (8.06ft. )
F Maximum Vertical Wall	2.3 m (7.54 ft. )	2.67 m (8.76 ft. )	
G Tail-Swing Radius	1.65 m (5.41 ft. )	1.75 m (5.74 ft. )	2.305 m (7.56 ft. )



# Hydraulic Crawler **EXCAVATOR** MC Series

- Optimize the design of the boom and structure, which is stronger and more durable, and has better flexibility.
- Optimized hydraulic system for a balance of power and speed with simple adjustments.
- In corners that are easily overlooked, we still use reliable parts to bring overall stability.

Reliable, Durable, Affordable

With Quality  
To the World



## **MORE RELIABLE, COMPONENT-BASED** **MORE** *STABLE AND EFFICIENT*

### Hydraulic System

MANHERR adopts internationally renowned hydraulic components such as Rexroth/Kawasaki/KYB/doosan, which are originally produced in Europe, Japan and South Korea, to ensure the working efficiency and stability.



### Powerful Engine

Isuzu, Cummins, MAN and other mainstream brands are all available, and can be replaced in batches according to customer needs. MANHERR team will match you with the most suitable products for you.



Reliable, Durable, Affordable





MC SERIES

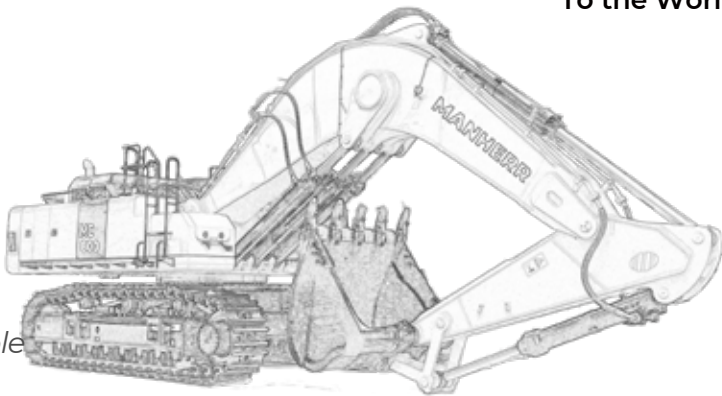
JAPAN TYPE  
HYDRAULIC EXCAVATOR



MC series

Hydraulic excavator

More Stable, efficient, flexible and durable  
Japan style excavator



Specifications

MC- S

Model	MC220	MC360	MC485	MC760
Bucket	1.0cbm	1.6 cbm	2.3cbm	4.0cbm
Operating Weights				
With full fuel tank; 79-kg (175 lb.) operator; 666-kg (1,468 lb.) general-purpose bucket				
Operating Weight	22400kg	35600 kg	48000 kg	71200 kg
Engine				
Manufacturer and Model	ISUZU 4HK1X	ISUZU 6HK1X	CUMMINS QSM11	CUMMINS QSX15
Net Rated Power	120kW (160.9 hp) @2000rpm	212kW (284 hp) @2000rpm	280kW (375 hp) @2100rpm	336kW (450.6 hp) @1800rpm
Cylinders	4/6	6	6	6
Displacement	5.193 L	7.78 L	11 L	15 L
Hydraulics				
Main Pumps	2 variable-displacement axial-piston pumps	2 variable-displacement axial-piston pumps	2 variable-displacement axial-piston pumps	2 variable-displacement axial-piston pumps
Maximum Rated Flow	226*2 L/m	270*2+30 L/m	360*2 L/m	450*2 L/m
Under frame				
Rollers (each side)				
Carrier Rollers	2	2	2	2
Track Rollers	8	8	9	9
Track	600mm*4070	600mm*4945	600mm*5388	600mm
Guides	Center	Center	Center	Center
Swing Mechanism				
Swing Motor	Axial piston motor	Axial piston motor	Axial piston motor	Axial piston motor
Swing Speed	10.7 rpm	8.2 rpm	8.9 rpm	7.2 rpm
Operating Dimensions				
Bucket Digging Force				
	ISO	138 kN	245 kN	256 kN
				365 kN
A Maximum Reach	9.898 m (32.47 ft.)	11.1 m (36.42 ft.)	11.540 m (37.86 ft.)	11.75 m (38.55 ft.)
A <sup>1</sup> Maximum Reach at	9.714 m (31.87 ft.)	10.91 m (35.79 ft.)	11.325 m (37.16 ft.)	11.45 m (37.57 ft.)
B Maximum Digging Depth	6.603 m (21.66 ft.)	7.37 m (24.18 ft.)	7.3 m (23.95 ft.)	7.19 m (23.59 ft.)
C Maximum Cutting Height	9.237 m (30.31 ft.)	10.2 m (33.46 ft.)	10.68 m (35.04 ft.)	11.165 m (36.63 ft.)
D Maximum Dumping	6.526 m (21.41 ft.)	7.135 m (23.41 ft.)	7.428 m (24.37 ft.)	7.04 m (24.28 ft.)
E Minimum Swing Radius	3.8 m (12.46 ft.)	4.26 m (13.98 ft.)	5.015 m (16.45 ft.)	7.19 m (23.59 ft.)
G Tail-Swing Radius	2.84 m (9.31 ft.)	3.532 m (11.59 ft.)	3.735 m (12.25 ft.)	4.0 m (13.12 ft.)

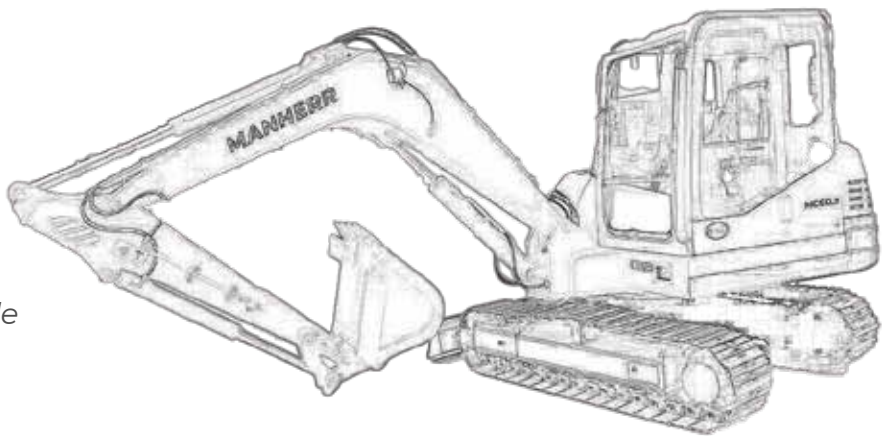




MC series

Hydraulic excavator

More Stable, efficient, flexible and durable  
Japan style excavator



Specifications

MC- S

Model	MC60	MC80	MC130
Bucket	0.22cbm	0.34 cbm	0.53cbm
Operating Weights			
With full fuel tank; 79-kg (175 lb.) operator; 666-kg (1,468 lb.) general-purpose bucket			
Operating Weight	5850kg	8000 kg	13000 kg
Engine			
Manufacturer and Model	Yanmar 4TNV94L	Yanmar 4TNV98T	CUMMINS QSF3.8
Net Rated Power	36.0kW (48.28 hp) @2100rpm	56.5kW (75.77 hp) @2200rpm	120kW (163 hp) @2000rpm
Cylinders	4	4	4
Displacement	3 L	3.32L	3.8 L
Powertrain			
Maximum Travel Speed			
Low	2.2 km/h	2.7 km/h	3.1km/h
High	4.2 km/h	5.1 km/h	5.3 km/h
Under frame			
Rollers (each side)			
Carrier Rollers	1	1	2
Track Rollers	5	5	7
Track	400mm	450mm	500mm
Guides	Center	Center	Center
Swing Mechanism			
Swing Motor	Axial piston motor	Axial piston motor	Axial piston motor
Swing Speed	9.5 rpm	11.2 rpm	12.4 rpm
Operating Dimensions			
Bucket Digging Force	ISO	38.5 kN	52.7 kN
			80kN
A Maximum Reach	6.17 m (20.24 ft. )	6.33 m (20.77 ft. )	8.309 m (27.26 ft. )
A <sup>1</sup> Maximum Reach at	6.045 m (19.83 ft. )	6.182 m (20.28 ft. )	8.18 m (26.83 ft. )
B Maximum Digging Depth	3.86m (12.66 ft. )	4.038 m (13.25 ft. )	5.5 m (18.04ft. )
C Maximum Cutting Height	5.75 m (18.86 ft. )	7.165 m (23.51 ft. )	8.63 m (28.31 ft. )
D Maximum Dumping Height	3.98 m (13.06 ft. )	5.068 m (16.63 ft. )	6.18 m (20.28 ft. )
E Minimum Swing Radius	2.38 m (7.81 ft. )	1.792m (5.88 ft. )	2.495 m (8.19ft. )
G Tail-Swing Radius	1.7 m (5.58 ft. )	1.755 m (5.76 ft. )	2.015 m (6.61 ft. )

MC SERIES

JAPAN TYPE  
HYDRAULIC EXCAVATOR





# ALL WHEEL DRIVED **WHEEL LOADER** ML Series

- Classic, tried and tested design. Adapt to various severe working conditions. Stable and efficient performance.
- Selected well-known accessories, durable and easy to maintain. Wor-ry-free use and low maintenance costs.
- Weichai engine with advanced technology is durable. Spare parts are readily available worldwide.

Reliable, Durable, Affordable



**RELIABLE, COMPONENT-BASED**  
*STABLE AND EFFICIENT*

With Quality  
To the World



Reliable, Durable, Affordable





ML series

Wheel Loader

More Stable, efficient, flexible and durable



Specifications		ML	
MODEL	ML936	ML956	ML388
Rated Load	3000kg	5000kg	Loading end 2500kg
Overall Weight	9600kg	16500kg	Opeartion 8200kg
Bucket Volume	1.8 cbm	3.0 cbm	1cbm/0.3cbm
Max. Tractive Force	97 KN	152 KN	65KN
Max. Breakout Force	127 KN	≥170 KN	38KN/46.5KN (Digging)
Max. Grade Ability	30 °	30°	30°
Max. Dumping Height	3100mm	3150mm	Loading end 2650mm
Max. Dumping Reach	1006mm	1250mm	Loading end 1025mm
Min. Turning Radius	5097mm	6640mm	6581mm
Ground Clearance	400mm	460mm	300mm
Overall Dimensions (L*W*H)	6890*2430*3070mm	8360*3050*3482mm	6230*2365*3752mm
ENGINE			
Engine Model	WP6G125E22	WD10G220E23	WP4G95E22
Make	WEICHA	WEICHA	WEICHA
Type	INLINE WATER COOL DIRECT INJECTION	INLINE WATER COOL DIRECT INJECTION	INLINE DIRCT INJECTION
Cylinders-Bore*Stroke	6-108*125mm	6-126*130mm	4-105*130mm
Rated Power	92 KW	162 KW	70KW
Max. Torque	500 N ·m	860 N ·m	380 N ·m
Min. fuel Consuming R	≤210g/kw·h	≤215g/kw·h	≤230g/kw·h
Transmission			
Torque Converter	YJ315-X	ZL50	YJ280
Gear Box	Power shift Fixed shaft	Power shift Fixed shaft	Power shift Fixed shaft
Gear Shifts	F-4,R-2	F-4,R-2	F-2,R-2
Max. Speed	38 km/h	38 km/h	28 km/h
Parking Break	Manual Disk Break	Manual Disk Break	Manual Disk Break
Hydraulics			
Hydraulic Working Pre	16.5 MPa	18.1 Mpa	16.5 MPa
Boom Lifting Time	4.83s	5.95±0.2s	Max. digging Dep. 4085mm
Total Work-Circle Time	5.15±0.5s	10.95±0.5s	Digging swing 190°
Bucket Auto-Leveling	Yes	Yes	
AXLES			
Wheel Base	2660mm	3340mm	2250mm
Wheel Tread	1800mm	2250mm	
Tire	17.5-25	23.5-25	14-17.5/19.5L-24
Service Break	Air-Fluid Disk Break	Air-Fluid Disk Break	Air-Fluid Disk Break



ML SERIES

EFFICIENT, DURIBLE  
WHEEL LOADER





19/20 MANHERR  
MACHINERY



Full Set  
Quarry Machinery Solution

Quarry mining  
Mechanical processs

EFFICIENT WORKING

STABLE OUTPUT

ECO FRIENDLY

ENERGY SAVING

Reliable, Durable, Affordable

With Quality  
To the World

QUARRY MECHANIZED MINING  
EQUIPMENT

HIGH  
PERFORMANCE

MATURE  
TECHNOLOGY

RELIABLE  
QUALITY

Reliable, Durable, Affordable



MANHERR  
MACHINERY

# MANHERR

## QUALIFICATION

### TO BE A DEPENDABLE PARTNER

More than qualification  
Quality makes the future



Reliable, Durable, Affordable

With Quality  
To the World

# MANHERR

## SERVICE COMMITMENT

### SINCERE SUGGESTIONS, NO WORRIES

#### Sincere service

MANHERR MACHINERY establishes the value of customer needs as the leading factor, puts forward the "2+X" service concept, and unifies the planning of pre-sales understanding of needs, integrated planning, design, after-sales service, and equipment maintenance. Satisfaction assessment is carried out, and a series of services such as equipment assembly suggestions and consultation are extended to continue to provide products and services that exceed customer expectations.

Pre

the pre-sales service, we will carefully analyze the needs of customers, and sincerely give reasonable suggestions to ensure that the solution is what you want. Use this as a basis for product configura-

QC

Parts ordering, production, delivery, logistics. We will conduct multiple quality control inspections in each link. Make sure you receive the product you want.

Aft

The sale is just the beginning. In the use of the equipment, we will get rid of the latest information we have obtained, continue to follow up the status of the equipment, and provide technology, parts, maintenance and housekeeping services.

24

WE ALWAYS ON LINE



GLOBAL SERVICE AT ONE TOUCH



MULTILINGUAL PROFESSIONAL SERVICES, ZERO BARRIERS



NO MATTER WHERE YOU ARE, WE ARE BY YOUR SIDE.



COMPREHENSIVE TECHNICAL SUPPORT, PARTS, TRAINING, ADVERTISING, EVERYTHING IS AVAILABLE.



DOOR-TO-DOOR SERVICE  
IN THE AREA WHERE THE DEALER IS LOCATED.

Reliable, Durable, Affordable