

HEAVY DUTY

# HYDRAULIC CRAWLER CRANE



SUPERIOR STABILITY &  
MOBILITY



HOISTING CAPACITY  
IS POWERFUL



Have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability & large lifting capacity, it is suitable for heavy lifting work at height with precision & safety.

The logo for MECALTI, featuring a stylized 'M' icon followed by the brand name in a bold, sans-serif font.

# MECALTI

The words 'HEAVY DUTY' are written in white, uppercase, sans-serif font and are contained within a red, rounded rectangular box.

**HEAVY DUTY**

The words 'HYDRAULIC CRAWLER CRANE' are written in a large, bold, sans-serif font. 'HYDRAULIC' is in black, while 'CRAWLER CRANE' is in red. The text has a white outline and is set against a background of a faded hydraulic crawler crane.

# HYDRAULIC CRAWLER CRANE

Have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability & large lifting capacity, it is suitable for heavy lifting work at height with precision & safety.

The model number 'QUY50C' is printed in white on the side of the crane's base.

**QUY50C**



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# MQUY35

## HYDRAULIC CRAWLER CRANE

Hydraulic crawler cranes have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability and large lifting capacity, it is suitable for heavy lifting work at height with precision and safety.



**HOISTING CAPACITY  
IS POWERFUL**



**SUPERIOR STABILITY &  
MOBILITY**

**MAX.  
RATED LIFTING  
CAPACITY | 30  
TON**

**PRODUCT CHARACTERISTICS SHOWN AS BELOW**

- Extendable track frame, easy for main machine to transport
- Hoisting capacity is powerful;
- The easily damaged and consumable structural parts are self-made, and maintenance cost is low. The special structure design by MECALTI makes maintenance more convenient.
- Most part of whole crane surface adopts no-dust baked lacquer automatic assemble line painting.

**TECHNICAL DATA**

DESCRIPTIONS		UNIT	DATA
Max. rated lifting capacity		t	35
Main boom length		m	10~40
Fly jib length		m	6.1~15.25
Max. boom length with fly jib		m	31+15.25
Main boom angle		°	30~80
Hook blocks (optional)		t	35/15/6
Working speed	Main winch hoist, lower (rope dia. φ20)	m/min	High 62; Low 31
	Aux. winch hoist, lower (rope dia. φ20)	m/min	High 62; Low 31
	Boom rise (rope dia. φ20)	m/min	64
	Swing speed	r/min	3.7
	Travel speed	Km/h	1.34
Main hoist reeving			7
Single rope lifting capacity		t	5.7
Gradeability		%	40
Engine		kW/r/min	128/2000 (Domestic)
Swing radius		mm	3800
Overall dimension		mm	6350*3100*3020
Crane mass (with basic boom, 35t hook)		t	38
Ground bearing pressure		Mpa	0.054
Counterweight		t	12.1

*Note: \* speed may vary with the load.*



# MQUY50C

## HYDRAULIC CRAWLER CRANE

Hydraulic crawler cranes have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability and large lifting capacity, it is suitable for heavy lifting work at height with precision and safety.



**HOISTING CAPACITY  
IS POWERFUL**



**SUPERIOR STABILITY &  
MOBILITY**

**MAX.  
RATED LIFTING  
CAPACITY | 50  
TON**



## PRODUCT CHARACTERISTICS SHOWN AS BELOW

- Main components of power system and hydraulic system are imported from USA, Germany, etc. Ensure its capability and stability more reliable and safe than the same products.
- Unique function of free fall, saves fuel consumption and boosts work efficiency;
- Swing float function, making operation more steadily and safety;
- Telescopic track frame, it is convenient for the main machine to transport
- The easily damaged and consumable structural parts are self-made, and special structure design of MECALTI, makes maintenance more convenient.

## TECHNICAL DATA

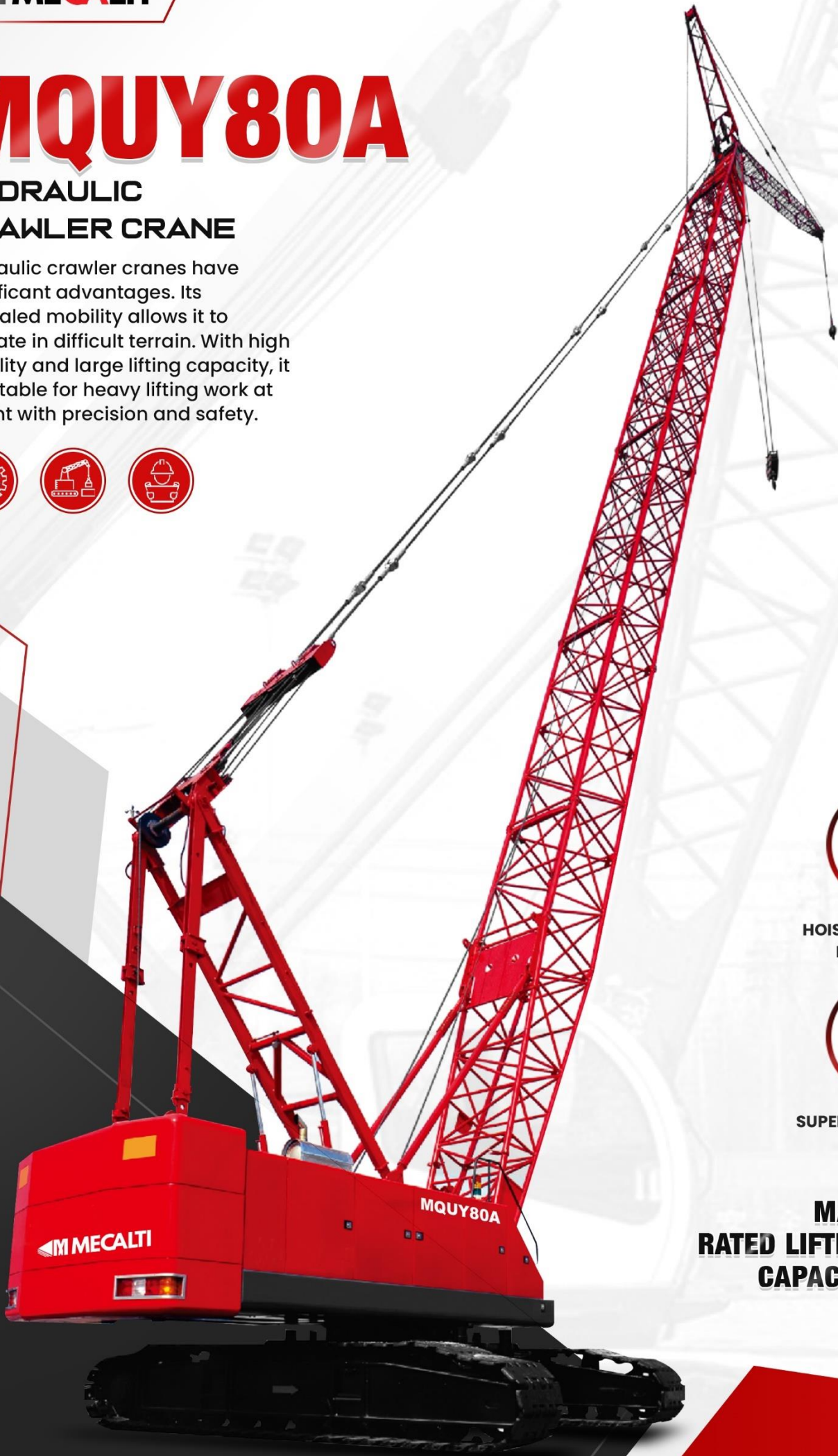
	DESCRIPTIONS	UNIT	DATA
	Max. rated lifting capacity	t	50
	Main boom length	m	13~52
	Fly jib length	m	9.15~15.25
	Max. boom length with fly jib	m	43+15.25
	Main boom angle	°	30~80
	Hook blocks (optional)	t	55/35/15/6
Working speed	Main winch hoist, lower (rope dia. φ20)	m/min	High 80; Low 40
	Aux. winch hoist, lower (rope dia. φ20)	m/min	High 90; Low 45
	Boom rise (rope dia. Φ16)	m/min	52
	Swing speed	r/min	3.2
	Travel speed	Km/h	1.3
	Main hoist reeving		9
	Single rope lifting capacity	t	5.7
	Gradeability	%	40
	Engine	kW/r/min	127/2000 (Import)
	Swing radius	mm	4050
	Overall dimension	mm	7050*3300*3440
	Crane mass (with basic boom, 35t hook)	t	50
	Ground bearing pressure	Mpa	0.069
	Counterweight	t	17.5

*Note: \* speed may vary with the load.*

# MQUY80A

## HYDRAULIC CRAWLER CRANE

Hydraulic crawler cranes have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability and large lifting capacity, it is suitable for heavy lifting work at height with precision and safety.



**HOISTING CAPACITY  
IS POWERFUL**



**SUPERIOR STABILITY &  
MOBILITY**

**MAX.  
RATED LIFTING  
CAPACITY** | **80  
TON**

## PRODUCT CHARACTERISTICS SHOWN AS BELOW

- The first 80ton grade full hydraulic crawler crane MQUY80A
- Load sensor hydraulic control handle adopts pilot control, good inching performance, making its operation more convenient and accurate.
- Application of undercarriage hydraulic outrigger, makes it more-easy to assemble/disassemble.
- The easily damaged and consumable structural parts are self-made, and special structure design of MECALTI, makes maintenance more convenient.
- Most part of whole crane adopts no-dust baked lacquer automatic assemble line painting.
- Fault diagnosis function, it will auto-alarm when the failure appears, in order to judge and maintain in time easily damaged and consumable structural parts are self-made, and special structure design of MECALTI, makes maintenance more convenient.

## TECHNICAL DATA

DESCRIPTIONS		UNIT	DATA
Max. rated lifting capacity		t	80
Main boom length		m	13~58
Fly jib length		m	9~18
Max. boom length with fly jib		m	49+18
Main boom angle		°	30~80
Hook blocks (optional)		t	80/50/25/9
Working speed	Rope speed		
	Main winch hoist, lower (rope dia. φ26)	m/min	High 122/61; Low 84/42
	Aux. winch hoist, lower (rope dia. φ26)	m/min	High 122/61; Low 84/42
	Boom rise (rope dia. φ20)	m/min	58
	Swing speed	r/min	2.0
Travel speed		Km/h	High 2.2; Low 1.1
Main hoist reeving			10
Single rope lifting capacity		t	8
Gradeability		%	30
Engine		kW/r/min	209/2000 (Import)
Swing radius		mm	4820
Overall dimension		mm	9670*3480*3460
Crane mass (with basic boom, 80t hook)		t	80.6
Ground bearing pressure		Mpa	0.0080
Counterweight		t	24.6

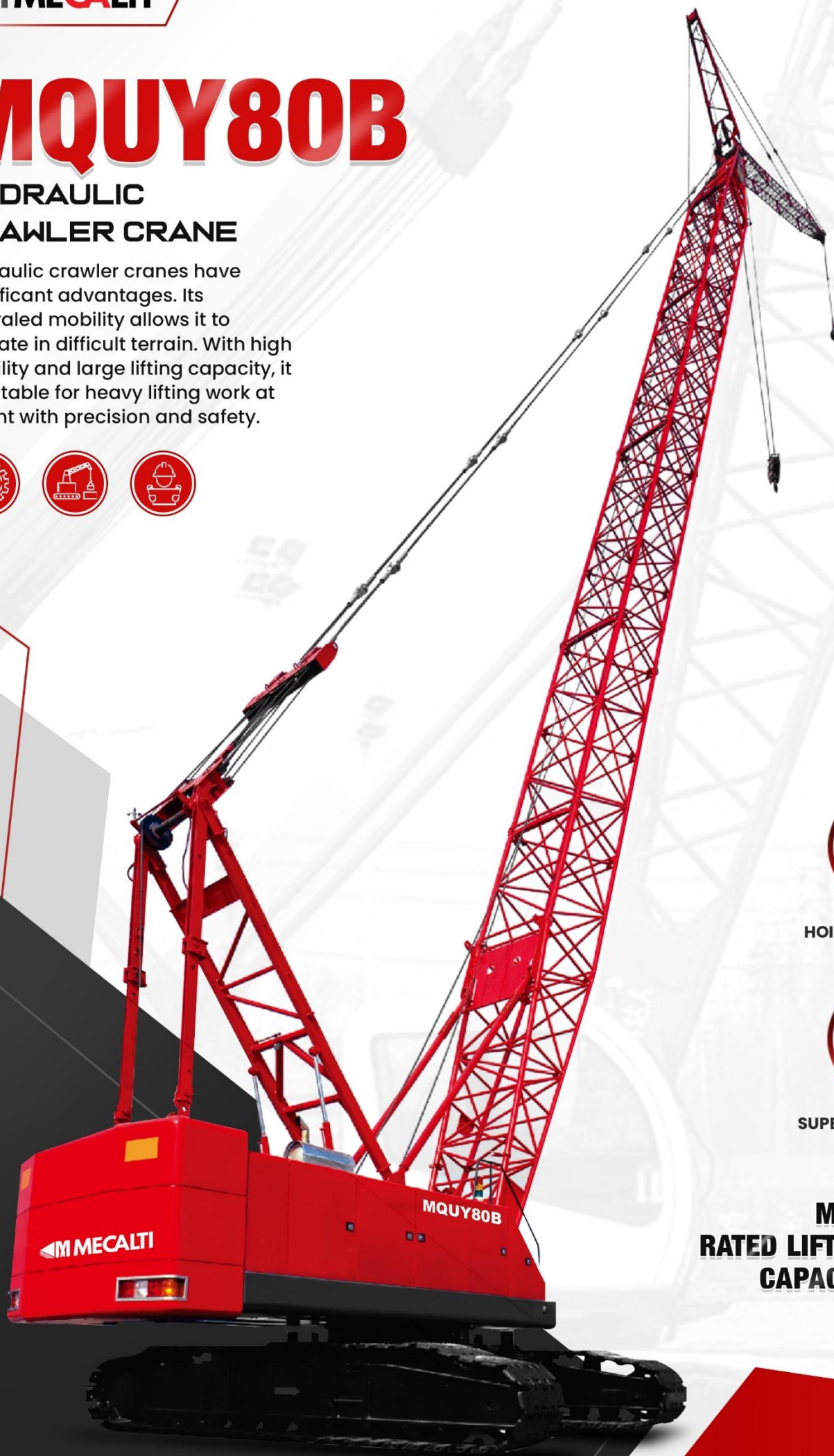
*Note: \* speed may vary with the load.*



# MQUY80B

## HYDRAULIC CRAWLER CRANE

Hydraulic crawler cranes have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability and large lifting capacity, it is suitable for heavy lifting work at height with precision and safety.



**HOISTING CAPACITY  
IS POWERFUL**



**SUPERIOR STABILITY &  
MOBILITY**

**MAX.  
RATED LIFTING  
CAPACITY** | **80  
TON**

## PRODUCT CHARACTERISTICS SHOWN AS BELOW

- Extendable track frame, easy for main machine to transport
- Unique function of free fall, saves fuel consumption and boosts work efficiency;
- Main components of power system and hydraulic system are imported from USA, Germany, etc.
- To realize one crane for multi-use, such as rammer (rammering capacity: 1500 m)
- The easily damaged and consumable structural parts are self-made and special structure design of MECALTI, makes maintenance more convenient.
- Most part of whole crane surface adopts no-dust baked lacquer automatic assemble line painting.

## TECHNICAL DATA

	DESCRIPTIONS	UNIT	DATA
	Max. rated lifting capacity	t	80
	Main boom length	m	13~58
	Fly jib length	m	9~18
	Max. boom length with fly jib	m	49+18
	Main boom angle	°	30~80
	Hook blocks (optional)	t	80/50/25/9
Working speed	Rope speed		
	Main winch hoist, lower (rope dia. Φ28)	m/min	High 122/61; Low 84/42
	Aux. winch hoist, lower (rope dia. φ28)	m/min	High 122/61; Low 84/42
	Boom rise (rope dia. φ200)	m/min	58
	Swing speed	r/min	2.0
	Travel speed	Km/h	High 2.2; Low 1.1
	Main hoist reeving		10
	Single rope lifting capacity	t	8
	Gradeability	%	30
	Engine	kW/r/min	209/2000 (Import)
	Swing radius	mm	4820
	Overall dimension	mm	9670*3480*3460
	Crane mass (with basic boom, 80t hook)	t	83
	Ground bearing pressure	Mpa	0.082
	Counterweight	t	24.6

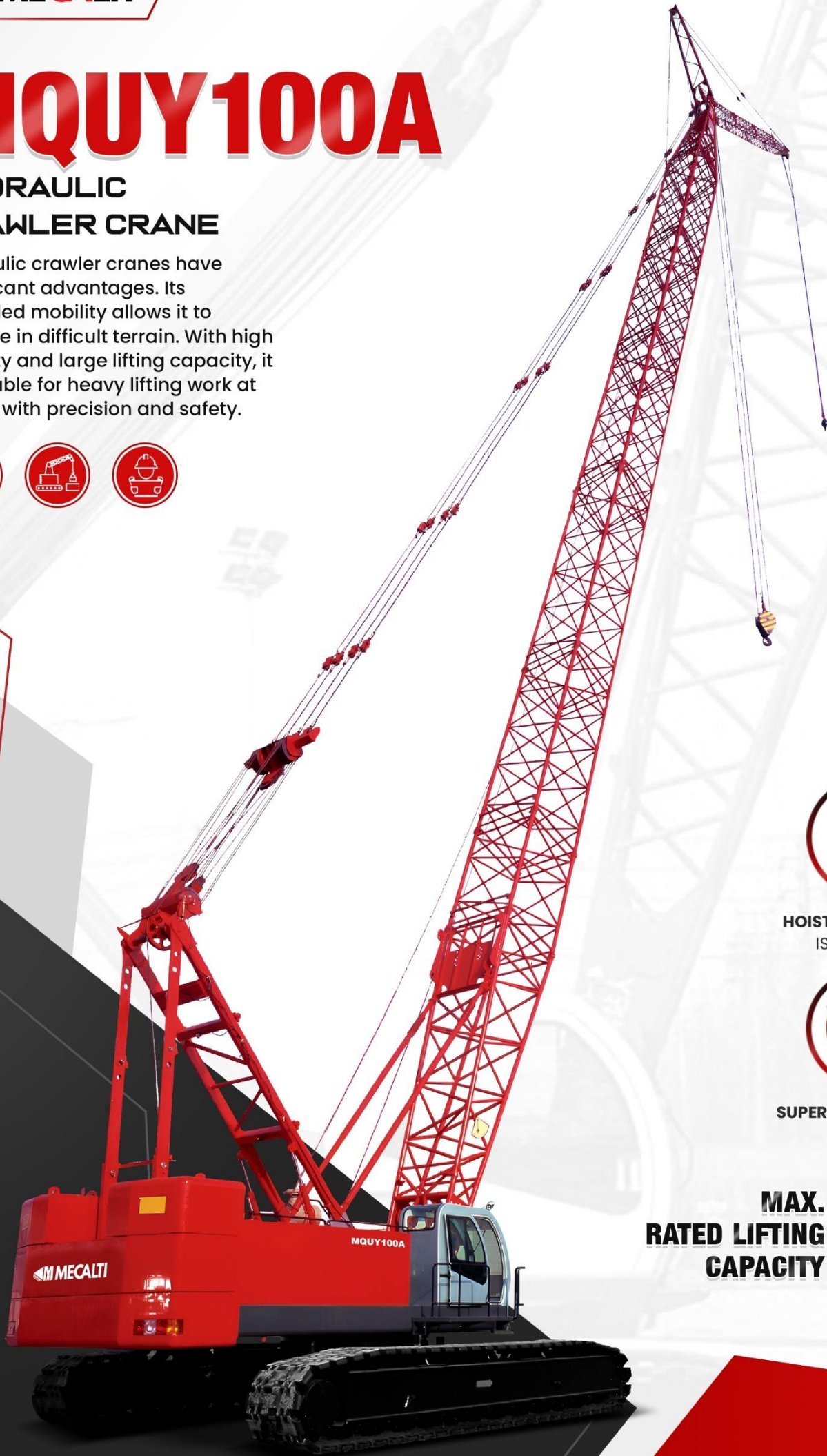
*Note: \* speed may vary with the load.*



# MQUY100A

## HYDRAULIC CRAWLER CRANE

Hydraulic crawler cranes have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability and large lifting capacity, it is suitable for heavy lifting work at height with precision and safety.



**HOISTING CAPACITY  
IS POWERFUL**



**SUPERIOR STABILITY &  
MOBILITY**

**MAX.  
RATED LIFTING  
CAPACITY** | **105  
TON**



**PRODUCT CHARACTERISTICS SHOWN AS BELOW**

- Main components of power system and hydraulic system are imported from USA, Germany, etc.
- Optional equipped with self-load/unload function, it is easy to assemble/disassemble.
- The easily damaged and consumable structural parts are self-made, and special structure design of MECALTI, makes maintenance more convenient.
- Most part of whole crane adopts no-dust baked lacquer automatic assemble line painting.

**TECHNICAL DATA**

DESCRIPTIONS		UNIT	DATA
Max. rated lifting capacity		t	105
Main boom length		m	16~73
Fly jib length		m	13~25
Max. boom length with fly jib		m	61+25
Main boom angle		°	30~80
Hook blocks (optional)		t	120/50/25/9
Working speed	Rope speed		
	Main winch hoist, lower (rope dia. φ26)	m/min	High 114/57; Low 82/41
	Aux. winch hoist, lower (rope dia. φ26)	m/min	High 114/57; Low 82/41
	Boom rise (rope dia. φ20)	m/min	54
	Swing speed	r/min	0~1.96
Travel speed		Km/h	0.9~1.3
Main hoist reeving			12
Single rope lifting capacity		t	9
Gradeability		%	30
Engine		kW/r/min	209/2000 (Import)
Swing radius		mm	5227
Overall dimension		mm	8850*3320*3030
Crane mass (with basic boom, 100t hook)		t	115
Ground bearing pressure		Mpa	0.070
Counterweight		t	45

*Note: \* speed may vary with the load.*

# MQUY120

## HYDRAULIC CRAWLER CRANE

Hydraulic crawler cranes have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability and large lifting capacity, it is suitable for heavy lifting work at height with precision and safety.



**HOISTING CAPACITY  
IS POWERFUL**



**SUPERIOR STABILITY &  
MOBILITY**

**MAX.  
RATED LIFTING  
CAPACITY** | **120  
TON**

**PRODUCT CHARACTERISTICS SHOWN AS BELOW**

- Unique function of free fall, saves oil consumption and boosts work efficiency;
- Optional equipped with self-load/unload function.
- Main components of power system and hydraulic system are imported from USA, Germany, etc.
- In accordance with Europe CE and North-America certification
- The easily damaged and consumable structural parts are self-made and special structure design of MECALTI, makes maintenance more convenient.
- Most part of whole crane adopts no-dust baked lacquer automatic assemble line painting.

**TECHNICAL DATA**

DESCRIPTIONS		UNIT	DATA
Max. rated lifting capacity		t	120
Main boom length		m	16~73
Fly jib length		m	13~25
Max. boom length with fly jib		m	61+25
Main boom angle		°	30~80
Hook blocks (optional)		t	120/50/25/9
<b>Working speed</b>	<b>Rope speed</b> Main winch hoist, lower (rope dia. φ26)	m/min	High 102/51; Low 82/41
	Aux. winch hoist, lower (rope dia. φ26)	m/min	High 102/51; Low 82/41
	Boom rise (rope dia. φ22)	m/min	54
	Swing speed	r/min	0~1.96
	Travel speed	Km/h	0.9~1.3
Main hoist reeving			12
Single rope lifting capacity		t	10
Gradeability		%	30
Engine		kW/r/min	209/2000 (Import)
Swing radius		mm	5227
Overall dimension		mm	8850*3320*3030
Crane mass (with basic boom, 120t hook)		t	118
Ground bearing pressure		Mpa	0.080
Counterweight		t	48

*Note: \* speed may vary with the load.*



# **MQUY150A**

## **HYDRAULIC CRAWLER CRANE**

Hydraulic crawler cranes have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability and large lifting capacity, it is suitable for heavy lifting work at height with precision and safety.



**HOISTING CAPACITY  
IS POWERFUL**



**SUPERIOR STABILITY &  
MOBILITY**

**MAX.  
RATED LIFTING  
CAPACITY** | **150  
TON**

**PRODUCT CHARACTERISTICS SHOWN AS BELOW**

- MQUY150A is the first national full hydraulic crawler crane with unsurpassable maturity
- Main components of power system and hydraulic system are imported from USA, Germany, etc.
- Unique function of free fall, saves oil consumption and boosts work efficiency;
- The easily damaged and consumable structural parts are self-made and special structure design of MECALTI, makes maintenance more convenient.
- Most part of whole crane adopts no-dust baked lacquer automatic assemble line painting.
- Main components adopt high-strength frame box jointing structure, light crane weight, small grounding pressure and big lifting moment.

**TECHNICAL DATA**

DESCRIPTIONS		UNIT	DATA
Max. rated lifting capacity		t	150
Main boom length		m	18~81
Fly jib length		m	13~31
Max. boom length with fly jib		m	69+31
Main boom angle		°	30~80
Hook blocks (optional)		t	150/50/25/9
Working speed	Rope speed		
	Main winch hoist, lower (rope dia. φ26)	m/min	(First layer) High 60, Low 30; (Sixth layer) High 83, Low 41
	Aux. winch hoist, lower (rope dia. φ26)	m/min	(First layer) High 60, Low 30; (Sixth layer) High 83, Low 41
	Boom rise (rope dia. φ20)	m/min	(Frist layer) 22x2
	Swing speed	r/min	High 2.0, Low 1.0
Travel speed		Km/h	High 1.0, Low 1.5
Main hoist reeving			13
Single rope lifting capacity		t	10.9
Gradeability		%	30
Engine		kW/r/min	209/2000 (Import)
Swing radius		mm	5900
Overall dimension		mm	9110*3370*3370
Crane mass (with basic boom, 150t hook)		t	150.5
Ground bearing pressure		Mpa	0.093
Counterweight		t	54.6

*Note: \* speed may vary with the load.*



# MQUY150C

## HYDRAULIC CRAWLER CRANE

Hydraulic crawler cranes have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability and large lifting capacity, it is suitable for heavy lifting work at height with precision and safety.



**HOISTING CAPACITY  
IS POWERFUL**



**SUPERIOR STABILITY &  
MOBILITY**

**MAX.  
RATED LIFTING  
CAPACITY** | **150  
TON**



**PRODUCT CHARACTERISTICS SHOWN AS BELOW**

- Equipped with self-assembly/disassembly function
- Main components of power system and hydraulic system are imported from USA and Japan.
- Hydraulic oil cooling system adopts single warm-control, saves energy
- Unique function of free fall, saves oil consumption and boosts work efficiency; with optional luffing jib
- The easily damaged and consumable structural parts are self-made and special structure design of MECALTI, makes maintenance more convenient.
- Most part of whole crane adopts no-dust baked lacquer automatic assemble line painting.

**TECHNICAL DATA**

DESCRIPTIONS		UNIT	DATA
Max. rated lifting capacity		t	150
Main boom length		m	18.2~81.2
Fly jib length		m	13~31
Max. boom length with fly jib		m	69+31
Main boom angle		°	30~80
Hook blocks (optional)		t	150/50/25/9
Working speed	Rope speed		
	Main winch hoist, lower (rope dia. φ26)	m/min	High 117~142
	Aux. winch hoist, lower (rope dia. φ26)	m/min	High 117~142
	Boom rise (rope dia. φ22)	m/min	30
	Swing speed	r/min	0~2.3
Travel speed		Km/h	0.63~1.25
Main hoist reeving			16
Single rope lifting capacity		t	13.5
Gradeability		%	30
Engine		kW/r/min	209/2000 (Import)
Swing radius		mm	5845
Overall dimension		mm	9750*3380*3580
Crane mass (with basic boom, 150t hook)		t	160
Ground bearing pressure		Mpa	0.092
Counterweight		t	64

*Note: \* speed may vary with the load.*

# MQUY250

## HYDRAULIC CRAWLER CRANE

Hydraulic crawler cranes have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability and large lifting capacity, it is suitable for heavy lifting work at height with precision and safety.



**HOISTING CAPACITY  
IS POWERFUL**



**SUPERIOR STABILITY &  
MOBILITY**

**MAX.  
RATED LIFTING  
CAPACITY** | **260  
TON**

**PRODUCT CHARACTERISTICS SHOWN AS BELOW**

- Equipped with self-assembly/disassembly function
- Main components of power system and hydraulic system are imported from USA and Japan.
- Hydraulic oil cooling system adopts single warm-control, saves energy
- Unique function of free fall, saves oil consumption and boosts work efficiency; with optional luffing jib
- The easily damaged and consumable structural parts are self-made and special structure design of MECALTI, makes maintenance more convenient.
- Most part of whole crane adopts no-dust baked lacquer automatic assemble line painting.

**TECHNICAL DATA**

DESCRIPTIONS		UNIT	DATA
Max. rated lifting capacity		t	260
Main boom length		m	15.2~72.2
Runner length		m	73.4~91.4
Fly jib length		m	18~36
Heavy and light boom		m	75.8~90.8
Main boom + max. fly jib length		m	66.2+36;69.2+24
Main boom + max. luffing jib length		m	60.2+61
Main boom angle		°	30~80
Hook blocks (optional)		t	250/150/80/35/15
Working speed	Main winch hoist, lower (rope dia. φ28)	m/min	0~117
	Aux. winch hoist, lower (rope dia. φ28)	m/min	0~117
	Boom rise (rope dia. φ22)	m/min	56
	Swing speed	r/min	0~1.7
	Travel speed	Km/h	0.8~1.2
Main hoist reeving			20
Single rope lifting capacity		t	13.5
Gradeability		%	30
Engine		kW/r/min	242/2100 (Import)
Swing radius		mm	6025
Overall dimension		mm	12310*3280*3552
Crane mass (with basic boom, 250t hook)		t	225
Ground bearing pressure		Mpa	0.114
Counterweight		t	88.5

*Note: \* speed may vary with the load.*



# MQUY320

## HYDRAULIC CRAWLER CRANE

### PRODUCT CHARACTERISTICS SHOWN AS BELOW

- Simple and good-looking outline, main hydraulic components based on international standard, and performance of the whole crane is excellent.
- Full working attachments equipped with superlifting counterweight and self-erecting in all configuration, special equipment for 1.5MW wind-Mill installation.
- Friendly interface and self diagnosis, high reliability, easy to maintain.
- High-strength steel weldment, high performance of dynamics and light whole crane weight.  
The unique lattice structure design makes boom
- weight light, bear rust and long service life.



**SUPERIOR STABILITY & MOBILITY**



**HOISTING CAPACITY IS POWERFUL**

**MAX. RATED LIFTING CAPACITY | 320 TON**

**TECHNICAL DATA**

DESCRIPTIONS		DATA	
Non superlift	Main boom	Length (m) 24~84 Max. Rated lifting capacity (t) 320t x 5.3m	
	Special boom for wind turbine	Length (m) 30~84 Max. Rated lifting capacity (t) 80t	
	Heavy light main boom combination	Length (m) 42~108 Max. Rated lifting capacity (t) 150t x 10m	
	Fly jib	Length (m) 24~84 Max. Rated lifting capacity (t) 112t x 10m	
		Main boom length (m) 30~72	
	Luffing jib	Luffing jib length (m) 24~72 Lifting capacity (t) 118.7t x 14m	
		Superlift mast	Length (m) 30 Swing radius (m) 9,10.5,13.5,15.5
		Superlift counterweight	Weight (m) 0,40,80,120,160,200 Swing radius (m) 11,13,15
	Superlift	Heavy boom	Length (m) 30~84 Max. Rated lifting capacity (t) 320t x 12m
		Heavy light boom combination	Length (m) 78~114 Max. Rated lifting capacity (t) 100t x 14m
Main boom length (m) 36~84			
Luffing jib		Luffing jib length (m) 24~78 Lifting capacity (t) 157.8t x 14m	
		Hook blocks (optional)	15,70,100,160,200,320
Working Capacity	Main/aux. hoist speed	0~118	
	Main derricking speed	2 x 39	
	Luffing jib derricking speed	0~72	
	Superlift derricking speed	0~108	
	Swing speed	0~1.12	
	Travel speed	0~1.05	
	Gradeability	30% (16.7°)	
Boom derricking angle (°)	30~85		
Luffing jib + main boom derricking angle (°)	65,75,85		
Luffing jib derricking angle (°)	15~74		
Max. Lifting torque	4395 (With superlift device)		
Ground bearing pressure	1.37		
Overall dimension (L*W*H) (mm)	14790 x 8450 x 5400		
Engine	Model	QSM11 imported Cummins Electric control diesel engine	
	Power (kW)	298	
	Revolution (rpm)	2100	

*Note: \* speed may vary with the load.*



# **MQUY400**

## **HYDRAULIC CRAWLER CRANE**



**HOISTING CAPACITY  
IS POWERFUL**



**SUPERIOR STABILITY &  
MOBILITY**

**MAX.  
RATED LIFTING  
CAPACITY | 400  
TON**

### **PRODUCT CHARACTERISTICS SHOWN AS BELOW**

- The advanced electric control, hydraulic technology and self-assembly technology. Semi-opened main machine platform, makes
- convenient to maintenance. A full set of safety device. Equipped surge protector to prevent moment limiters from thunder damages.
- The steel tube of main chords come from Germany Mannesmann Tubes.
- The electric control program is developed by our company, and easy to diagnose, maintain in time. World class main pump, motor and other hydraulic
- components are used, high performance, good quality, long service life and complete safety devices.





**TECHNICAL DATA**

DESCRIPTIONS		DATA	
Non superlift	Main boom	Max. Rated lifting capacity (t)	400t x 5m
		Length (m)	18~78
	Heavy light boom combination	Max. Rated lifting capacity (t)	113.5t x 16m
		Length (m)	30~102
	Luffing jib	Max. Rated lifting capacity (t)	107.3t x 16m
		Main boom length (m)	30~72
Luffing jib length (m)		30~66	
Fly jib	Max. Rated lifting capacity (t)	80t x 15m	
	Main boom length (m)	78, 84, 90	
Superlift mast	Fly jib length (m)	7	
	Length (m)	30	
	Swing radius (m)	12.5	
Superlift counterweight	Weight (m)	0,90,250	
	Swing radius (m)	13	
Superlift fly jib	Max. rated lifting capacity (t)	90t x 17m	
	Main boom length (m)	90, 96	
	Fly jib length (m)	10	
Boom	Max. Rated lifting capacity (t)	400t x 7m	
	Length (m)	30~84	
Luffing jib	Max. Rated lifting capacity (t)	120t x 20m	
	Main boom length (m)	36~84	
	Luffing jib length (m)	30~66	
Working Capacity	Hook blocks (optional)	13.5, 40, 70, 120, 200, 400	
	Main/aux. hoist speed	0~145	
	Main derricking speed	2 x 36	
	Luffing jib derricking speed	72/108	
	Superlift derricking speed	0~1.1	
	Swing speed	0~1.2	
	Travel speed	30% (16.7°)	
	Gradeability	345	
Boom derricking angle (°)	30~84		
Luffing jib + main boom derricking angle (°)	15~72		
Luffing jib derricking angle (°)	5540 (With superlift device)		
Max. Lifting torque	0.14		
Ground bearing pressure	66, 76, 86		
Overall dimension (L*W*H) (mm)	14550 x 87900 x 4490		
Engine	Model	QSM11 Imported Cummins Electric control diesel engine	
	Power (kW)	298	
	Revolution (rpm)	2100	

*Note: \* speed may vary with the load.*



**SUPERIOR STABILITY &  
MOBILITY**



**HOISTING CAPACITY  
IS POWERFUL**

# MQUY400A

**HYDRAULIC CRAWLER CRANE**

## PRODUCT CHARACTERISTICS SHOWN AS BELOW

- Touch screen, color display, electric monitor and dummy wall, ensure the equipments operate stably.
- Large-box platform structure, good-looking outline, low transportation weight.
- In accordance with Europe CE and North American Standard.
- Self-made wear and tear parts with special design of MECALTI, makes maintenance more convenient and cheaper.
- The unique lattice structure design makes boom weight is light, bear rust and long service life.



**MAX.  
RATED LIFTING  
CAPACITY** | **400  
TON**

**TECHNICAL DATA**

		DESCRIPTIONS	DATA
Non superlift	Main boom	Max. Rated lifting capacity (t)	400 (5m Working radius)
		Length (m)	24~84
	Heavy light boom combination	Max. Rated lifting capacity (t)	180 (10m Working radius)
		Length (m)	42~108
	Luffing jib	Max. Rated lifting capacity (t)	139.8 (14m Working radius)
		Main boom length (m)	30~72
		Luffing jib length (m)	24~72
	Fly jib	Max. Rated lifting capacity (t)	91.5
		Main boom length (m)	60~84
		Fly jib length (m)	7~10
Superlift mast	Length (m)	30	
	Swing radius (m)	11.5, 13.5, 15.5	
Superlift counterweight	Length (m)	0~250	
	Swing radius (m)	11, 13, 15	
Superlift	Boom	Max. rated lifting capacity (t)	400 (8m Working radius)
		Length (m)	30~96
	Heavy light main boom combination	Max. Rated lifting capacity (t)	139 (12m Working radius)
		Length (m)	78~126
	Luffing jib	Max. rated lifting capacity (t)	154.1 (16m Working radius)
		Main Boom length (m)	36~90
		Fly jib length (m)	30~90
	Superlift fly jib	Max. lifting capacity (t)	115
		Main boom length (m)	60~96
		Fly jib length (m)	7~10
Hook blocks (optional)			15/50/100/400 (200 x 2)
Working Capacity	Main/aux. hoist speed		0~145
	Main derricking speed		(0~35) x 2
	Luffing jib derricking speed		0~72
	Superlift derricking speed		0~108
	Swing speed		0~1.3
	Travel speed		0~1.2/0~0.4
Crane mass (basic boom, 140t counterweight, 40t counterweight, 400t hook) (t)			325
Main boom derricking angle (°)			30~84
Luffing jib derricking angle (°)			15~72
Max. Lifting torque			5100 (With superlift device)
Ground bearing pressure			0.136
Luffing jib + main angle (°)			66, 76, 86
Overall dimensions (LXWXH)(mm)			13960 x 3100 x 3160
Engine	Model		QSM11 Cummins diesel engine
	Power (kW)		298
	Revolution (rpm)		2100

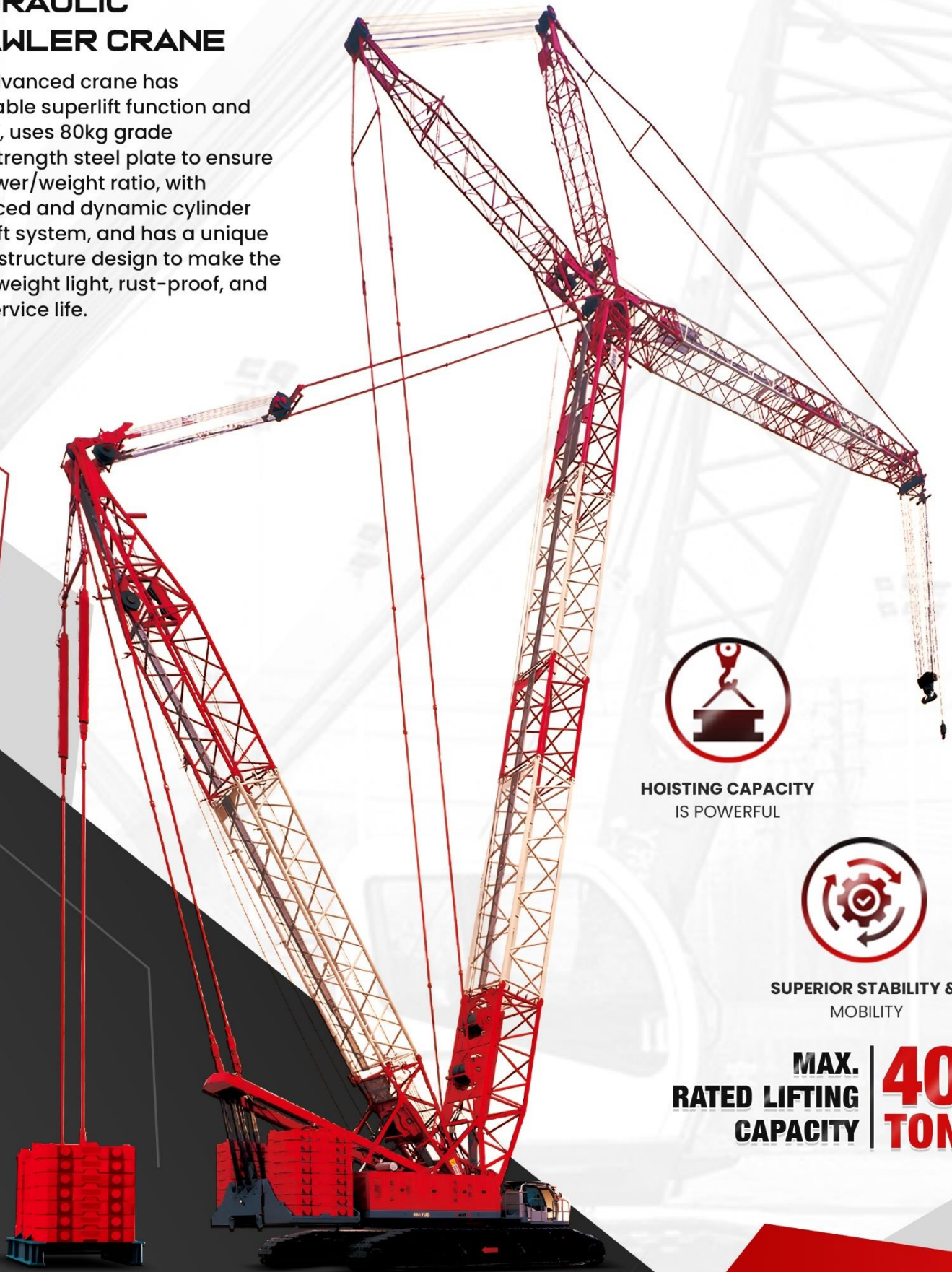




# MQUY500

## HYDRAULIC CRAWLER CRANE

This advanced crane has adjustable superlift function and control, uses 80kg grade high-strength steel plate to ensure the power/weight ratio, with advanced and dynamic cylinder superlift system, and has a unique lattice structure design to make the boom weight light, rust-proof, and long service life.



**HOISTING CAPACITY**  
IS POWERFUL



**SUPERIOR STABILITY &**  
MOBILITY

**MAX. RATED LIFTING CAPACITY** | **400 TON**

**TECHNICAL DATA**

		DESCRIPTIONS	DATA
<b>Non superlift</b>	Main boom	Max. Rated lifting capacity (t)	400t x 7m (42m Length)
		Length (m)	24~84
	Heavy light boom combination	Max. Rated lifting capacity (t)	225.7t x 9m
		Length (m)	42~108
	Heavy light boom combination + runner	Max. Rated lifting capacity (t)	82t x 20m
		Length (m)	42~108
	Luffing jib	Max. Rated lifting capacity (t)	167.5t x 14m
		Main boom length (m)	30~72
		Luffing jib length (m)	24~72
	Fly jib	Max. rated lifting capacity (t)	107t
Main boom length (m)		78~84	
Fly jib length (m)		12	
Superlift mast	Length (m)	30	
	Swing radius (m)	10.5, 12.5, 14.5, 16.5	
Superlift counterweight	Weight (m)	0, 50, 100, 150, 200, 250	
	Swing radius (m)	10, 12, 14, 16	
<b>Superlift</b>	Main boom + superlift mast	Max. Rated lifting capacity (t)	376, 1t x 8m
		Length (m)	36~84
	Main boom + superlift mast + superlift counterweight	Max. rated lifting capacity (t)	500 x 8m
		Length	36~84
	Heavy light main boom combination + superlift mast + counterweight	Max. rated lifting capacity (t)	210 x 10
		Length (m)	78~114
	Luffing jib + superlift mast	Max. Rated lifting capacity (t)	110.5 x 16m
		Main boom length (m)	36~84
		Fly jib length (m)	24~84
	Luffing jib + superlift mast + superlift counterweight	Max. Rated lifting capacity (t)	228t x 16m
		Main boom length (m)	36~84
		Fly jib length (m)	24~84
	Superlift fly jib + superlift mast	Max. Rated lifting capacity (t)	118
		Main boom length (m)	78~90
		Fly jib length (m)	12
	Hook blocks (optional)		
<b>Working Capacity</b>	Main/aux. hoist speed		0~130
	Main derricking speed		(~50) x 2
	Luffing jib derricking speed		0~110
	Superlift derricking speed		0~120
	Swing speed		0~1.17
	Travel speed		0~1
Gradeability			30% (17°)
Crane mass (with 24m main boom weight)			381.7
Main boom derricking angle (°)			30~85
Ground bearing pressure			0.14
Luffing jib + main boom derricking angle (°)			65, 75, 85
Luffing jib derricking angle (°)			15 between max. angle elevation and main included angle 30 between minimum elevation and ground included angle
Max. Lifting torque			6240 (With superlift device)
Overall dimensions (LxWxH) (mm)			14790 x 9300 x 5400
<b>Engine</b>	Model	QSM11 Imported Cummins electrical diesel engine	
	Power (kW)	336	
	Revolution (rpm)	2100	



# MQUY650

## HYDRAULIC CRAWLER CRANE

### PRODUCT CHARACTERISTICS SHOWN AS BELOW

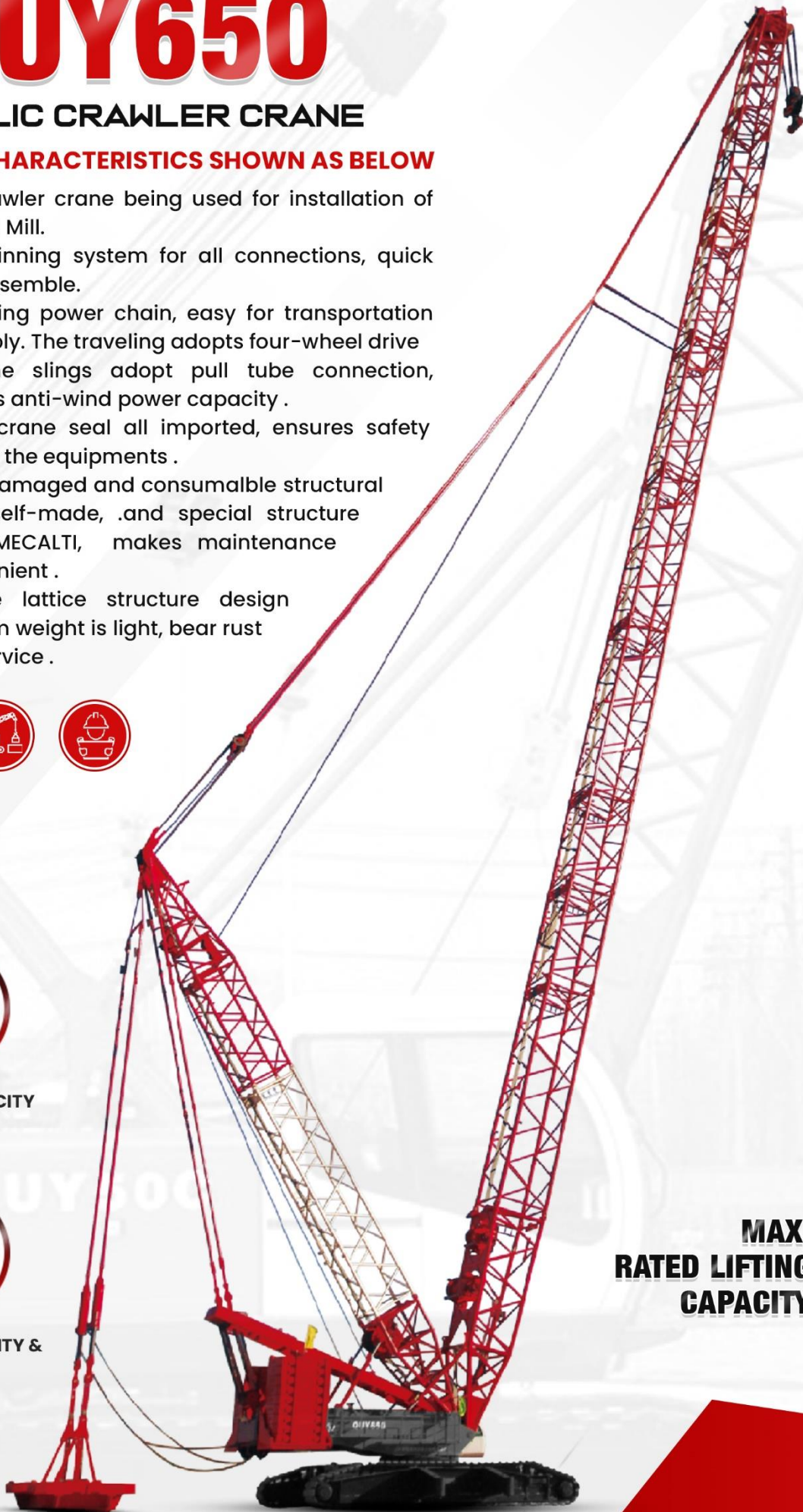
- The first crawler crane being used for installation of 3.0MW Wind Mill.
- Hydraulic pinning system for all connections, quick and easy assemble.
- Outer-hanging power chain, easy for transportation and assembly. The traveling adopts four-wheel drive
- Boom frame slings adopt pull tube connection, reinforces its anti-wind power capacity .
- The whole crane seal all imported, ensures safety operation of the equipments .
- The easily damaged and consumable structural parts are self-made, .and special structure design of MECALTI, makes maintenance more convenient .
- The unique lattice structure design makes boom weight is light, bear rust and long service .



**HOISTING CAPACITY**  
IS POWERFUL



**SUPERIOR STABILITY &**  
MOBILITY



**MAX. RATED LIFTING CAPACITY** | **650 TON**



**TECHNICAL DATA**

		DESCRIPTIONS	DATA
<b>Non superlift</b>	Main boom	Max. Rated lifting capacity (t)	650 (6m working radius)
		Length (m)	24~84
	Heavy light boom combination	Max. Rated lifting capacity (t)	330 (9m working radius)
		Length (m)	66~102
	Luffing jib	Max. Rated lifting capacity (t)	186.2 (16m working radius)
		Main boom length (m)	30~66
	Fly jib	Luffing jib length (m)	24~84
		Max lifting capacity (t)	134 (14m working radius)
	Superlift mast	Main boom length (m)	72~102
		Fly jib length (m)	12~36
	Superlift counterweight	Length (m)	30
		Swing radius (m)	11.5, 13.5, 15.5, 17.5
	Superlift counterweight	Weight (m)	0, 50, 100, 200, 250, 300
		Swing radius (m)	11, 13, 15, 17
<b>Superlift</b>	Boom	Max. Rated lifting capacity (t)	650 (10m working radius)
		Length (m)	36~105
	Heavy light main boom combination	Max. rated lifting capacity (t)	264.7 (12m working radius)
		Length (m)	90~138
	Luffing jib	Max. rated lifting capacity (t)	330 (20m working radius)
		Main boom length (m)	36~96
	Superlift fly jib	Luffing jib length (m)	24~96
		Max. rated lifting capacity (t)	125 (22m working radius)
	Special boom for wind turbine	Main boom length (m)	90~138
		Luffing jib length (m)	12~36
	Special boom for wind turbine	Max. rated lifting capacity (t)	140 (18m working radius)
		Main boom length (m)	102
	Special boom for wind turbine	Luffing jib length (m)	12
		Hook blocks (optional)	
<b>Working Capacity</b>	Main/aux. hoist speed (m/min)		0~130
	Main derricking speed (m/min)		(~45) x 2
	Luffing jib derricking speed (m/min)		0~120
	Superlift derricking speed (m/min)		0~120
	Swing speed (r/min)		0~0.8
	Travel speed (km/h)		0~1
	Machine weight: (with 24m boom) (t)		510 (Boom foot, 190t main machine counterweight, 65t undercarriage central ballast, 650t hook)
	Boom derricking angle (°)		30-85
	Luffing jib derricking angle (°)		15-72
	Boom angle (with luffing jib) (°)		65, 75, 85
	Ground bearing pressure		1.5
	Max. lifting torque		8352 (With superlift device)
	Overall dimensions (L x W x H) (mm)		12500 x 3300 x 3360
<b>Engine</b>	Model		QSX15 Cummins
	Power (kW)		418
	Revolution		1800

# MWX55

## HYDRAULIC CRAWLER CRANE

Hydraulic crawler cranes have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability and large lifting capacity, it is suitable for heavy lifting work at height with precision and safety.



**HOISTING CAPACITY  
IS POWERFUL**



**SUPERIOR STABILITY &  
MOBILITY**

**MAX.  
RATED LIFTING  
CAPACITY** | **55  
TON**

## PRODUCT CHARACTERISTICS SHOWN AS BELOW

- Modular design for optimized performance and efficient maintenance by innovative layout of hydraulic and electric system.
- Most powerful lifting capacity as result of engineered machine balance, max. lifting torque 210tm.
- High-grade steel boom and machine structures, thoroughly engineered and analyzed.
- Enhanced safety features combined moment limiter with machine diagnostics and solid electric compartment for fast checking and maintenance.
- Optional link-type undercarriage for safe and smoother travel with load and extended lift-time.
- Oversized high performance winches with 22mm wire rope with optional free fall function for special applications.
- Multi-configuration and options to serve various markets and to meet different requirements.
- Lift-cab; high ergonomics comfort cab, 20% more vision by flat easy maintenance windows, 20% larger door entrance

## TECHNICAL DATA

ITEMS		UNIT	DATA
Max. rated lifting capacity		t	55@3.5m
Main boom length		t	13~52
Fly jib length		m	9.15~15.25
Main boom + Fly jib max. length		m	43+15.25
Boom derricking angle		°	30~80
Hook blocks (optional)		t	55/15/6
Working speed	Main winch hoist/lower (rope dia. Φ22mm)	m/min	110
	Aux. winch hoist/lower (rope dia. Φ22mm)	m/min	110
	Boom hoist/lower (rope dia. Φ18mm)	m/min	60
	Swing speed	r/min	3.1
	Travel speed	km/h	1.33
Reevings			9
Single line pull		t	6.1
Gradeability		%	30
Engine		kw/r/min	142/2200 (Export) 132/2200 (Domestic)
Swing radius		mm	4100
Transport dimension		mm	12100 x 3300 x 3300
Crane mass (with basic boom, 55t hook)		t	50
Ground bearing pressure		mpa	0.07
Counterweight		t	16+2

*Note: \* speed may vary with the load.*



# MWX75

## HYDRAULIC CRAWLER CRANE

Hydraulic crawler cranes have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability and large lifting capacity, it is suitable for heavy lifting work at height with precision and safety.



**HOISTING CAPACITY IS POWERFUL**



**SUPERIOR STABILITY & MOBILITY**

**MAX. RATED LIFTING CAPACITY** | **75 TON**

**PRODUCT CHARACTERISTICS SHOWN AS BELOW**

- Modular design for optimized performance and efficient maintenance by innovative layout of hydraulic and electric system.
- Most powerful lifting capacity as result of engineered machine balance, max. lifting torque 210tm.
- High-grade steel boom and machine structures, thoroughly engineered and analyzed.
- Enhanced safety features combined moment limiter with machine diagnostics and solid electric compartment for fast checking and maintenance.
- Optional link-type undercarriage for safe and smoother travel with load and extended lift-time.
- Oversized high-performance winches with 22mm wire rope with optional free fall function for special applications.
- Multi-configuration and options to serve various markets and to meet different requirements.
- Lift-cab; high ergonomics comfort cab, 20% more vision by flat easy maintenance windows, 20% larger door entrance

**TECHNICAL DATA**

ITEMS		UNIT	DATA
Max. rated lifting capacity		t	75@3.55m
Main boom length		t	13~58
Fly jib length		m	9~18
Main boom + Fly jib max. length		m	46+18
Boom derricking angle		°	30~80
Hook blocks (optional)		t	75/25/9
<b>Working speed</b>	<b>Rope speed</b>		
	Main winch hoist/lower (rope dia. Φ22mm)	m/min	110
	Aux. winch hoist/lower (rope dia. Φ22mm)	m/min	110
	Boom hoist/lower (rope dia. Φ18mm)	m/min	60
	Swing speed	r/min	3.1
	Travel speed	km/h	1.33
Reevings			11
Single line pull		t	7
Gradeability		%	30
Engine		kw/r/min	200/2200 (Export) 194/2200 (Domestic)
Swing radius		mm	4356
Transport dimension		mm	12990 x 3260 x 3250
Crane mass (with basic boom, 55t hook)		t	66
Ground bearing pressure		mpa	0.079
Counterweight		t	24

*Note: \* speed may vary with the load.*



# MWX85

## HYDRAULIC CRAWLER CRANE

Hydraulic crawler cranes have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability and large lifting capacity, it is suitable for heavy lifting work at height with precision and safety.



**HOISTING CAPACITY  
IS POWERFUL**



**SUPERIOR STABILITY &  
MOBILITY**

**MAX.  
RATED LIFTING  
CAPACITY** | **85  
TON**



## PRODUCT CHARACTERISTICS SHOWN AS BELOW

- Modular design for optimized performance and efficient maintenance by innovative layout of hydraulic and electric system.
- High-grade steel boom and machine structures thoroughly engineered and analyzed.
- High performance winches with 22 or 26mm wire rope and optional free fall functions for special applications.
- Lift-cab; high ergonomics comfort cab, 20% more vision by flat easy maintenance windows, 20% larger door entrance
- Self-assembly devices for safe and efficient assembly of track frames, counterweights and boom foot.
- Jack-up cylinders in drop and jack-up style for safe lifting the base machine.
- Powerful traction and good stability when traveling, even with 100% load logic organized control consoles, with enhanced monitor display, lightning strike protected, GPS locator.
- Enhanced moment limiter system with multi-function display including machine diagnostics.
- A solid state-of-art electronic compartment hosts all electric functions in a fix setup for fast checking and maintenance.
- Excellent transport possibilities of the main structure with a width of just 3 meters.
- Main boom inserts of 3m, 6m and 11.6m allow containerized transport.
- Multi configuration and options to serve various markets and applications to meet different requirements.

## TECHNICAL DATA

ITEMS		UNIT	DATA
Max. rated lifting capacity		t	85@3.55m
Main boom length		t	13~58
Fly jib length		m	9~18
Main boom + Fly jib max. length		m	49+18
Boom derricking angle		°	30~90
Hook blocks (optional)		t	85/50/25/9
Working speed	Main winch hoist/lower (rope dia. Φ22mm)	m/min	0~105
	Aux. winch hoist/lower (rope dia. Φ22mm)	m/min	0~105
	Boom hoist/lower (rope dia. Φ18mm)	m/min	0~60
	Swing speed	r/min	0~2.5
	Travel speed	km/h	0~1.5
Reevings			8
Single line pull		t	11
Gradeability		%	30
Engine		kw/r/min	209/2000 (export)
Swing radius		mm	4737
Transport dimension		mm	11717 x 3500 x 3500
Crane mass (with basic boom, 55t hook)		t	80
Ground bearing pressure		mpa	0.073
Counterweight		t	27.5

# MWX100L

## HYDRAULIC CRAWLER CRANE

Hydraulic crawler cranes have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability and large lifting capacity, it is suitable for heavy lifting work at height with precision and safety.



**HOISTING CAPACITY  
IS POWERFUL**



**SUPERIOR STABILITY &  
MOBILITY**

**MAX.  
RATED LIFTING  
CAPACITY** | **100  
TON**

## PRODUCT CHARACTERISTICS SHOWN AS BELOW

- Modular design for optimized performance and efficient maintenance by innovative layout of hydraulic and electric system.
- High-grade steel boom and machine structures thoroughly engineered and analyzed.
- High performance winches with 22 or 26mm wire rope and optional free fall functions for special applications.
- Lift-cab; high ergonomics comfort cab, 20% more vision by flat easy maintenance windows, 20% larger door entrance
- Jack-up cylinders in drop and jack-up style for safe lifting the base machine.
- Powerful traction and good stability when traveling, even with 100% load logic organized control consoles, with enhanced monitor display, lightning strike protected, GPS locator.
- Enhanced moment limiter system with multi-function display including machine diagnostics.
- A solid state-of-art electronic compartment hosts all electric functions in a fix setup for fast checking and maintenance
- Excellent transport possibilities of the main structure with a width of just 3 meters.
- Multi configuration and options to serve various markets and applications to meet different requirements.

## TECHNICAL DATA

ITEMS		UNIT	DATA
Max. rated lifting capacity		t	100@3.6m
Main boom length		t	13~61
Fly jib length		m	9~18
Main boom + Fly jib max. length		m	52+18
Boom derricking angle		°	30~80
Hook blocks (optional)		t	100/50/25/9
Working speed	Main winch hoist/lower (rope dia. Φ22mm)	m/min	0~130
	Aux. winch hoist/lower (rope dia. Φ22mm)	m/min	0~130
	Boom hoist/lower (rope dia. Φ18mm)	m/min	0~60
	Swing speed	r/min	0~2.5
	Travel speed	km/h	0~1.5
Reevings			13
Single line pull		t	8
Gradeability		%	30
Engine		kw/r/min	209/2000 (export)
Swing radius		mm	4737
Transport dimension		mm	11717 x 3500 x 3500
Crane mass (with basic boom, 55t hook)		t	93
Ground bearing pressure		mpa	0.083
Counterweight		t	29.5

Note: \* speed may vary with the load.



# MWX135L

## HYDRAULIC CRAWLER CRANE

Hydraulic crawler cranes have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability and large lifting capacity, it is suitable for heavy lifting work at height with precision and safety.



**HOISTING CAPACITY  
IS POWERFUL**



**SUPERIOR STABILITY &  
MOBILITY**

**MAX.  
RATED LIFTING  
CAPACITY** | **135  
TON**

## PRODUCT CHARACTERISTICS SHOWN AS BELOW

- Modular design for optimized performance and efficient maintenance by innovative layout of hydraulic and electric system.
- High-grade steel boom and machine structures thoroughly engineered and analyzed.
- High performance winches with 22 or 26mm wire rope and optional free fall functions for special applications.
- Lift-cab; high ergonomics comfort cab, 20% more vision by flat easy maintenance windows, 20% larger door entrance.
- Self-assembly devices for safe and efficient assembly of track frames, counterweights and boom foot.
- Jack-up cylinders in drop and jack-up style for safe lifting the base machine.
- Powerful traction and good stability when traveling, even with 100% load logic organized control consoles, with enhanced monitor display, lightning strike protected, GPS locator.
- Enhanced moment limiter system with multi-function display including machine diagnostics.
- A solid state-of-art electronic compartment hosts all electric functions in a fix setup for fast checking and maintenance.
- Excellent transport possibilities of the main structure with a width of just 3 meters.
- Main boom inserts of 3m, 6m and 11.6m allow containerized transport.
- Multi configuration and options to serve various markets and applications to meet different requirements.

## TECHNICAL DATA

ITEMS		UNIT	DATA
Max. rated lifting capacity		t	135@3.6m
Main boom length		t	18~75
Fly jib length		m	13~31
Main boom + Fly jib max. length		m	63+31
Main boom + Luffing jib Max. length		m	48.5+49
Boom derricking angle		°	30~86
Hook blocks (optional)		t	135/85/25/15
<b>Working speed</b>	<b>Rope speed</b> Main winch hoist/lower (rope dia. Φ22mm)	m/min	120
	Aux. winch hoist/lower (rope dia. Φ22mm)	m/min	120
	Boom hoist/lower (rope dia. Φ18mm)	m/min	48
	Swing speed	r/min	2.73
	Travel speed	km/h	0-0.78/0-1.15
Reevings			12
Single line pull		t	12.5
Gradeability		%	30
Engine		kw/r/min	209/2000 (Export) 225/2000 (domestic)
Swing radius		mm	5530
Transport dimension		mm	13680 x 3300 x 3330
Crane mass (with basic boom, 55t hook)		t	132
Ground bearing pressure		mpa	0.08
Counterweight		t	53.5



# MWX185

## HYDRAULIC CRAWLER CRANE

Hydraulic crawler cranes have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability and large lifting capacity, it is suitable for heavy lifting work at height with precision and safety.



**HOISTING CAPACITY  
IS POWERFUL**



**SUPERIOR STABILITY &  
MOBILITY**

**MAX.  
RATED LIFTING  
CAPACITY** | **185  
TON**



## PRODUCT CHARACTERISTICS SHOWN AS BELOW

- Modular design for optimized performance and efficient maintenance by innovative layout of hydraulic and electric system.
- High-grade steel boom and machine structures thoroughly engineered and analyzed.
- High performance winches with 22 or 26mm wire rope and optional free fall functions for special applications.
- Lift-cab; high ergonomics comfort cab, 20% more vision by flat easy maintenance windows, 20% larger door entrance.
- Self-assembly devices for safe and efficient assembly of track frames, counterweights and boom foot.
- Jack-up cylinders in drop and jack-up style for safe lifting the base machine.
- Powerful traction and good stability when traveling, even with 100% load logic organized control consoles, with enhanced monitor display, lightning strike protected, GPS locator.
- Enhanced moment limiter system with multi-function display including machine diagnostics.
- A solid state-of-art electronic compartment hosts all electric functions in a fix setup for fast checking and maintenance.
- Excellent transport possibilities of the main structure with a width of just 3 meters.
- Main boom inserts of 3m, 6m and 11.6m allow containerized transport.
- Multi configuration and options to serve various markets and applications to meet different requirements.

## TECHNICAL DATA

ITEMS		UNIT	DATA
Max. rated lifting capacity		t	185@5m
Main boom length		t	18~85
Fly jib length		m	13~31
Main boom + Fly jib max. length		m	70.4+31
Main boom + Luffing jib Max. length		m	58.8+58
Boom derricking angle		°	30~82
Hook blocks (optional)		t	185 (120) /50 /15
Working speed	Main winch hoist/lower (rope dia. Φ22mm)	m/min	0~120
	Aux. winch hoist/lower (rope dia. Φ22mm)	m/min	0~120
	Boom hoist/lower (rope dia. Φ18mm)	m/min	30 x 2
	Swing speed	r/min	0 ~ 2
	Travel speed	km/h	0 ~ 1.2
Reevings			16
Single line pull		t	13.5
Gradeability		%	30
Engine		kw/r/min	242/2100 (Export) 2642200 (domestic)
Swing radius		mm	6360
Transport dimension		mm	11950 x 3000 x 3160
Crane mass (with basic boom, 55t hook)		t	180
Ground bearing pressure		mpa	0.12
Counterweight		t	66

Note: \* speed may vary with the load.

# MW225

## HYDRAULIC CRAWLER CRANE

Hydraulic crawler cranes have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability and large lifting capacity, it is suitable for heavy lifting work at height with precision and safety.



**HOISTING CAPACITY  
IS POWERFUL**



**SUPERIOR STABILITY &  
MOBILITY**

**MAX.  
RATED LIFTING  
CAPACITY** | **225  
TON**

## PRODUCT CHARACTERISTICS SHOWN AS BELOW

- Smart designed structure for strength and stability
- Multi-application boom top for container handling, heavy-lift and bulk handling
- Low center of gravity for excellent balance and stability
- Superb controllability and performance of functions simultaneously
- Comfortable and ergonomic cabin “Life Cab” hydraulic elevated
- Easy access for maintenance and service
- Comprehensive electric system made of high grade components to prevent downtime
- Standard parts and components in modular concept to facilitate service during long life span all over the world,
- Low noise and low vibration concept
- Low ground pressure by large crawlers.

## TECHNICAL DATA

ITEMS		UNIT	DATA
Max. rated lifting capacity		t	225@5m
Main boom length		t	18~85
Fly jib length		m	12~36
Main boom + Fly jib max. length		m	76+24 70.4+36
Main boom + Luffing jib Max. length		m	58.8+70
Boom derricking angle		°	30~82
Hook blocks (optional)		t	225 /150 / 80 /35 /15
Working speed	Main winch hoist/lower (rope dia. Φ22mm)	m/min	0~126
	Aux. winch hoist/lower (rope dia. Φ22mm)	m/min	0~126
	Boom hoist/lower (rope dia. Φ18mm)	m/min	28 x 2
	Swing speed	r/min	0 ~ 1.5
	Travel speed	km/h	0 ~ 1.2
Reevings			20
Single line pull		t	13.5
Gradeability		%	30
Engine		kw/r/min	242/2100 (Export)
Swing radius		mm	6450
Transport dimension		mm	12660 x 3000 x 3290
Crane mass (with basic boom, 55t hook)		t	210
Ground bearing pressure		mpa	0.11
Counterweight		t	75

*Note: \* speed may vary with the load.*



# MWT285

## HYDRAULIC CRAWLER CRANE

Hydraulic crawler cranes have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability and large lifting capacity, it is suitable for heavy lifting work at height with precision and safety.

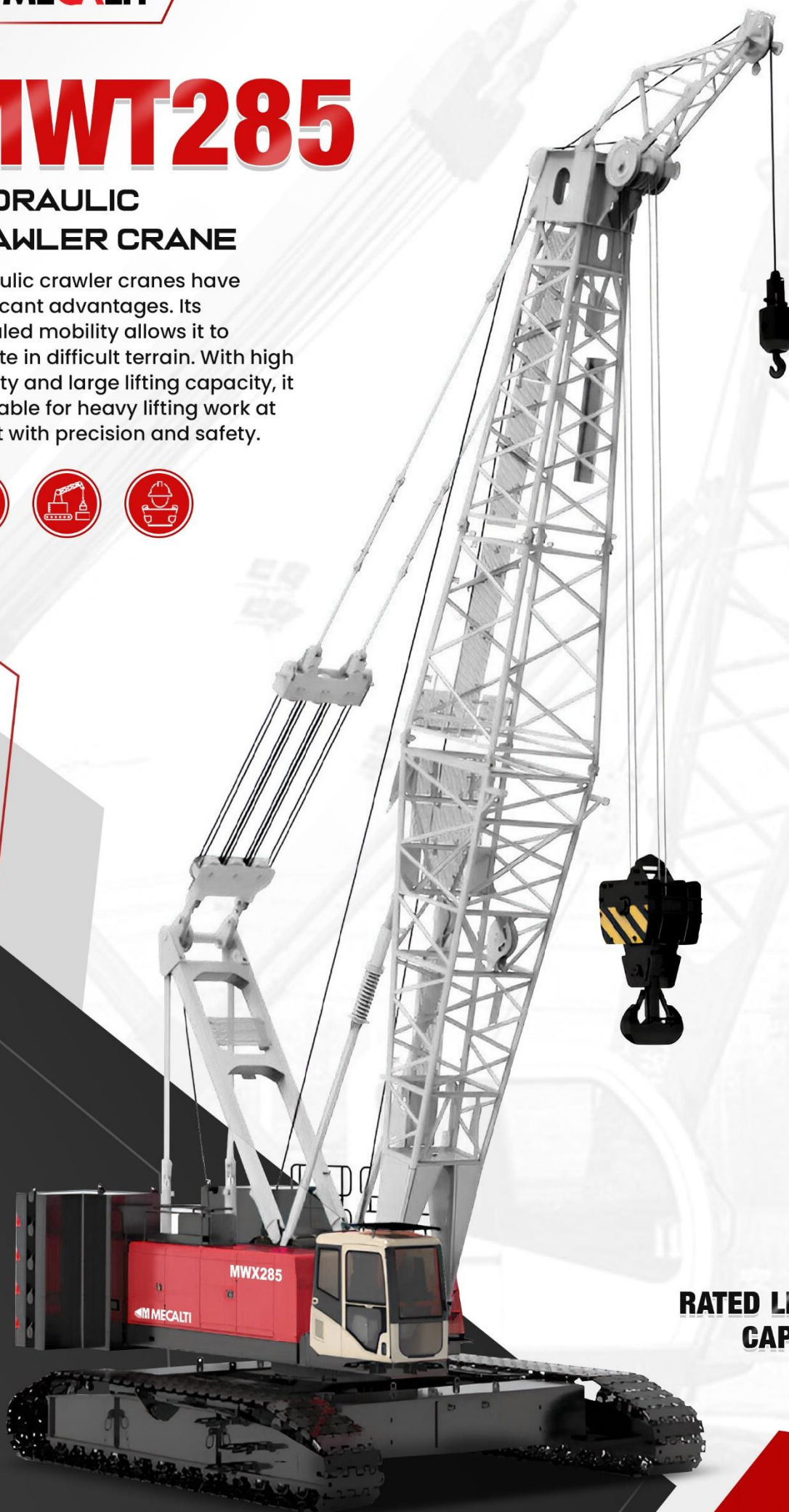


**HOISTING CAPACITY  
IS POWERFUL**



**SUPERIOR STABILITY &  
MOBILITY**

**MAX.  
RATED LIFTING  
CAPACITY** | **285  
TON**



## PRODUCT CHARACTERISTICS SHOWN AS BELOW

- Modular design for optimized performance and efficient maintenance by innovative layout of hydraulic and electrical systems
- Strong lifting capacities. Max. lifting capacity is 285MT at 5m working radius, Max. Lifting torque is 1560t.m.
- Traveling with 100% load.
- Complete and safe control system, equipped with level read-time display, all the safety control components are with better quality.
- Well-ordered hydraulic hoses and wiring harness design to ensure the convenient maintenance.
- Easy transportation, max. width of the parts is 3m, and the luffing jib inserts can be put into main boom insert to reduce the nos of trailer.
- Multi-configuration, like self-assembly, luffing jib, fixed jib, H/L boom, etc.

## TECHNICAL DATA

ITEMS		UNIT	DATA
Max. rated lifting capacity		t	285@5m
Main boom length		m	18~90.6
Fly jib length		m	12~36
Main boom + Fly jib max. length		m	79+36
Main boom + Luffing jib Max. length			61.8+60
Boom derricking angle		°	30~82
Hook blocks (optional)		t	285 /150 / 100 /35 /15
Working speed	Main winch hoist/lower (rope dia. Φ22mm)	m/min	0~136
	Aux. winch hoist/lower (rope dia. Φ22mm)	m/min	0~136
	Boom hoist/lower (rope dia. Φ18mm)	m/min	0~54
	Swing speed	r/min	0~1.45
	Travel speed	km/h	0~1.06
Reevings			22
Single line pull		t	15
Gradeability		%	30
Engine		kw/r/min	242/2100
Swing radius		mm	6800
Transport dimension		mm	13764 x 3000
Crane mass (with basic boom, 285t hook)		t	243
Ground bearing pressure		mpa	0.116
Counterweight		t	90+34

*Note: \* speed may vary with the load.*



# MWT55

**HYDRAULIC  
CRAWLER CRANE**



**HOISTING CAPACITY  
IS POWERFUL**



**SUPERIOR STABILITY &  
MOBILITY**

**MAX.  
RATED LIFTING  
CAPACITY** | **55  
TON**

Hydraulic crawler cranes have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability and large lifting capacity, it is suitable for heavy lifting work at height with precision and safety.



## PRODUCT CHARACTERISTICS SHOWN AS BELOW

- The new design for two cylinders and the rope system make the boom telescopic action much stable.
- The new design for mechanical lock pin on basic boom is the better option for the piling application.
- The new design for the superstructure improves the strength, and makes the gravity lower.
- Life cabin, excellent vision for the operator, Cabin space increased by 20%, and flat windows make easy maintenance.
- Modular design, Hydraulic system with high efficiency, Simple electrical system for easy maintenance.
- All Hydraulic functions can be accurately operated simultaneously with low engine rpm.
- Optional extendable (7—14m) fly jib.
- Optional 2m short jib for complex construction and foundation jobs.

## TECHNICAL DATA

ITEMS	UNIT	DATA
Max. rated lifting capacity	t	55t
Main boom length	m	10.8~38
Boom derricking angle	°	-3~80
Jib length	t	7
Angle between jib and main boom	m	0/15/30
Rope speed	°	0~93
Swing speed	m/min	0~2.8
Travel speed	r/min	0~2
Rope diameter	Km/h	20
Main/aux. winch rope length	mm	170/120
Rated single line pull	m/m	6 (58.86)
Gradeability (boom retract, cabin at rear)	t (kN)	30
Crane mass	%	51t
Overall dimension (LxWxH, not including aux. winch)	T	12280 x 3300 x 3100
Ground bearing pressure	mm	0.06

*Note: \* speed may vary with the load.*

# MW65

## HYDRAULIC CRAWLER CRANE

Hydraulic crawler cranes have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability and large lifting capacity, it is suitable for heavy lifting work at height with precision and safety.



**SUPERIOR STABILITY & MOBILITY**



**HOISTING CAPACITY IS POWERFUL**

**MAX. RATED LIFTING CAPACITY** | **65 TON**

**PRODUCT CHARACTERISTICS SHOWN AS BELOW**

- Unique side-by-side winch configuration allowing two powerful winches within same short swing radius of the machine.
- 22mm hoist cables on both winches for fast and powerful hoist with less reevings.
- U-shape boom made of imported 900 grade steel for optimized strength.
- Two oversized telescopic cylinders and oversized cable system for sturdy telescoping.
- Pin option to lock boom when first section is out for foundation jobs.
- Smart engineered box type upper structure for great strength and low center of gravity.
- Optional link-type undercarriage for smooth and safe travelling with load and long life time.
- Life Cab, excellent vision on job and machine, 20% larger interior and door entrance, easy maintenance flat windows.
- Modular design high efficient hydraulics, simple electronics and easy maintenance.
- All hydraulic functions can be accurately operated simultaneously with low engine rpm.
- Self-assembling counterweight configuration
- Optional extendable (8 ~ 14m) fly jib.
- Optional 2m short jib for complex construction and foundation jobs.

**TECHNICAL DATA**

ITEMS	UNIT	DATA
Max. rated lifting capacity	t	65
Main boom length	m	10.8~38
Boom derricking angle	°	-2~83
Jib length	m	8/14 (8+6)
Angle between jib and main boom	°	0/20/40
Rope speed	m/min	116
Swing speed	r/min	0~1.96
Travel speed	Km/h	0~1.26/0~2.26
Rope diameter	mm	22
Main/aux. winch rope length	m/m	200/130
Rated single line pull	t (kN)	7.5 (73.5)
Gradeability (boom retract, cabin at rear)	%	30
Crane mass	T	60t
Overall dimension	mm	12500 x 3260 x 3160
Ground bearing pressure	Mpa	0.07
Engine Cummins USA	Model	QSB6.7
	Kw/pm	142/2200

*Note: \* speed may vary with the load.*



# MW120

## HYDRAULIC CRAWLER CRANE

Hydraulic crawler cranes have significant advantages. Its unrivaled mobility allows it to operate in difficult terrain. With high stability and large lifting capacity, it is suitable for heavy lifting work at height with precision and safety.



**SUPERIOR STABILITY &  
MOBILITY**



**HOISTING CAPACITY  
IS POWERFUL**

**MAX.  
RATED LIFTING  
CAPACITY | 120  
TON**



## PRODUCT CHARACTERISTICS SHOWN AS BELOW

- The wire rope, Dia.22mm for hoist winches improve the efficiency.
- The new design for two cylinders and the rope system make the boom telescopic action much stable.
- The new design for mechanical lock pin on basic boom is the better option for the piling application.
- The new design for the superstructure improves the strength, and makes the gravity lower.
- Life cabin, excellent vision for the operator, Cabin space increased by 20%, and flat windows make easy maintenance. Modular design, Hydraulic system with high efficiency, Simple electrical system for easy maintenance.
- All Hydraulic functions can be accurately operated simultaneously with low engine rpm.
- Optional extendable (8-20) fly jib.
- Optional 3.2m short jib for complex construction and foundation jobs.

## TECHNICAL DATA

ITEMS	UNIT	DATA
Max. rated lifting capacity	t	120
Main boom length	m	13.2~50
Boom derricking angle	°	-2~80
Jib length	m	8.5/15/21
Angle between jib and main boom	°	0/15/30
Rope speed	m/min	0~110
Swing speed	r/min	0~1.8
Travel speed	Km/h	0~0.95/0~1.6
Rope diameter	mm	22
Main/aux. winch rope length	m/m	290/200
Rated single line pull	t (kN)	8.3 (81)
Gradeability (boom retract, cabin at rear)	%	30
Crane mass	T	125t
Overall dimension (L x W x H) Not including aux. winch)	mm	15065 x 3300 x 3035
Ground bearing pressure	Mpa	0.112

*Note: \* speed may vary with the load.*





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