

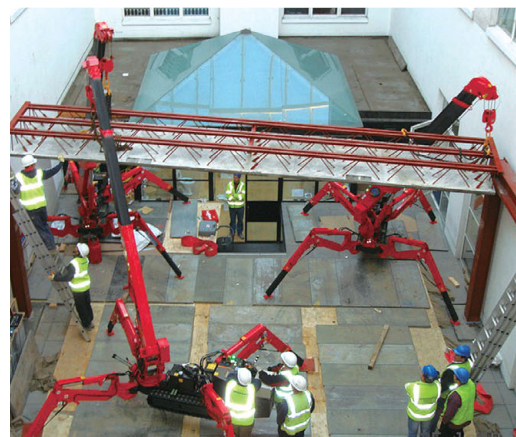
# UNIC

UNIC MINI-CRAWLER CRANE

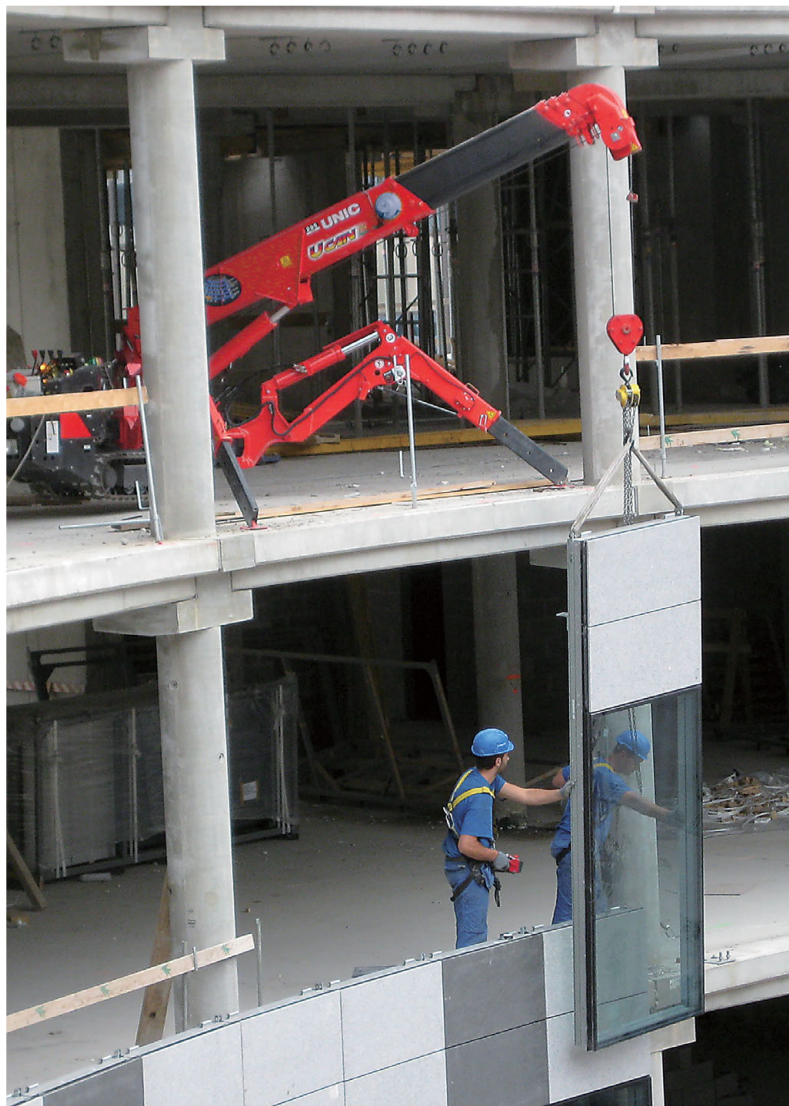
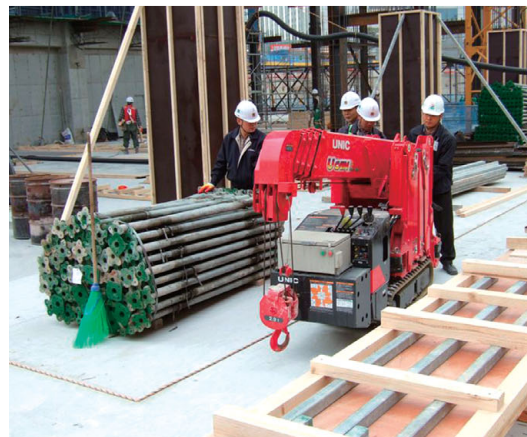
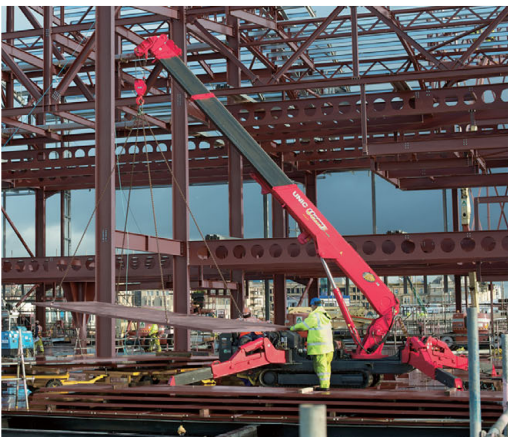


UR-W094C UR-W295C UR-W376C UR-W546C UR-W547C UR-W706C UR-W1006C











# UNIC MINI-CR

## **UNIC mini-crawler crane is incredibly compact and useful lifting equipment.**

UNIC mini-crawler crane is perfect lifting equipment that enables to meet wide variety of applications and ideal tools to support lifting works wherever access is restricted or working space is confined. Its excellent accessibility and flexibility will make many labor-intensive lifting operations be easier, safer and faster by UNIC mini-crawler crane.

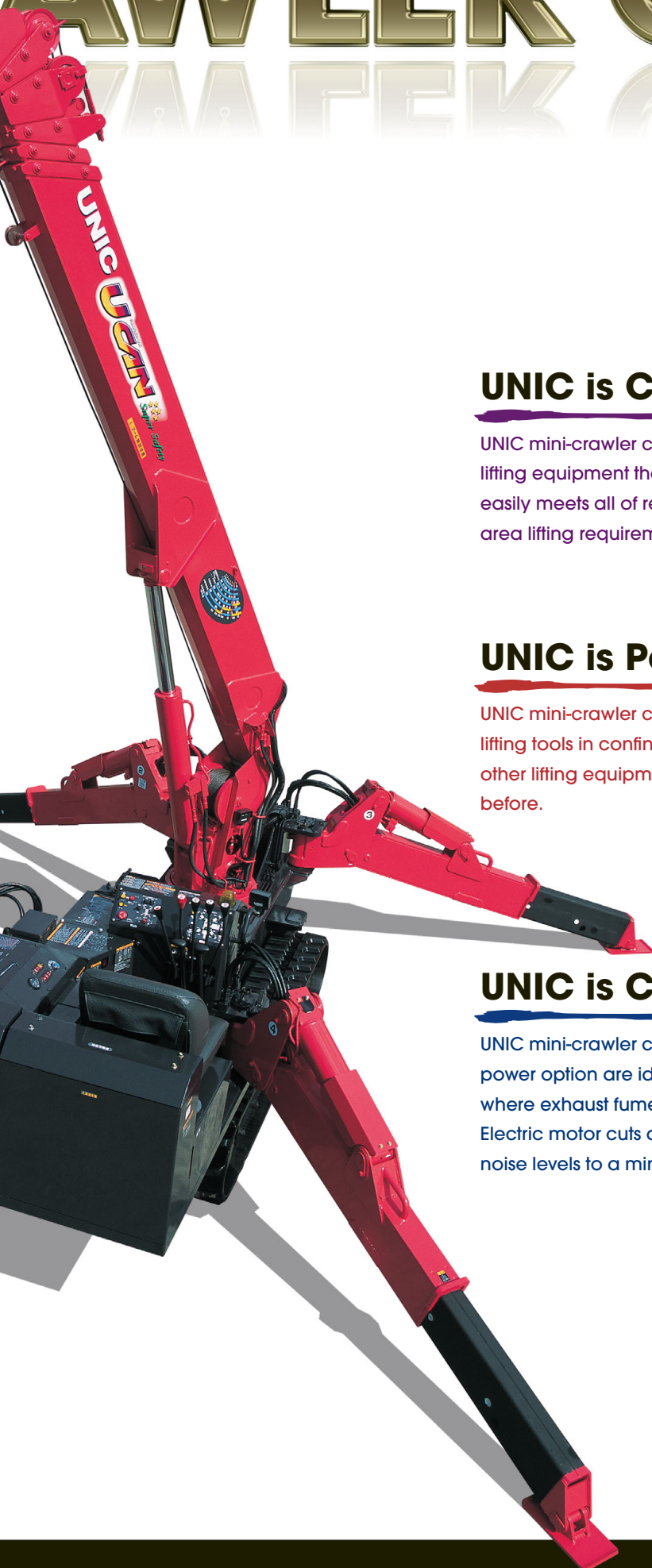
### **Recommended application:**

Shopping Mall, Warehouse, Factory & Airport operation, Roof-top, In-Between Floor, Underground operation, Steel erection, Monument Lifting, Landscaping, Machinery Removal & Installation, Power Plant Maintenance, Tunnel Operation, Forestry, Glass lifting & installation,





# CRAWLER CRANE



## UNIC is Compact

UNIC mini-crawler cranes are excellent lifting equipment that quickly, safely and easily meets all of restricted and confined-area lifting requirements.



## UNIC is Powerful

UNIC mini-crawler cranes are powerful lifting tools in confined area where no other lifting equipments could have gone before.



## UNIC is Clean

UNIC mini-crawler cranes with electric power option are ideal for working indoors where exhaust fumes are strictly restricted. Electric motor cuts down the pollution and noise levels to a minimum.





# UNIC MINI-CRAWLER

**UNIC mini-crawler crane is versatile and maneuverable lifting equipment.**

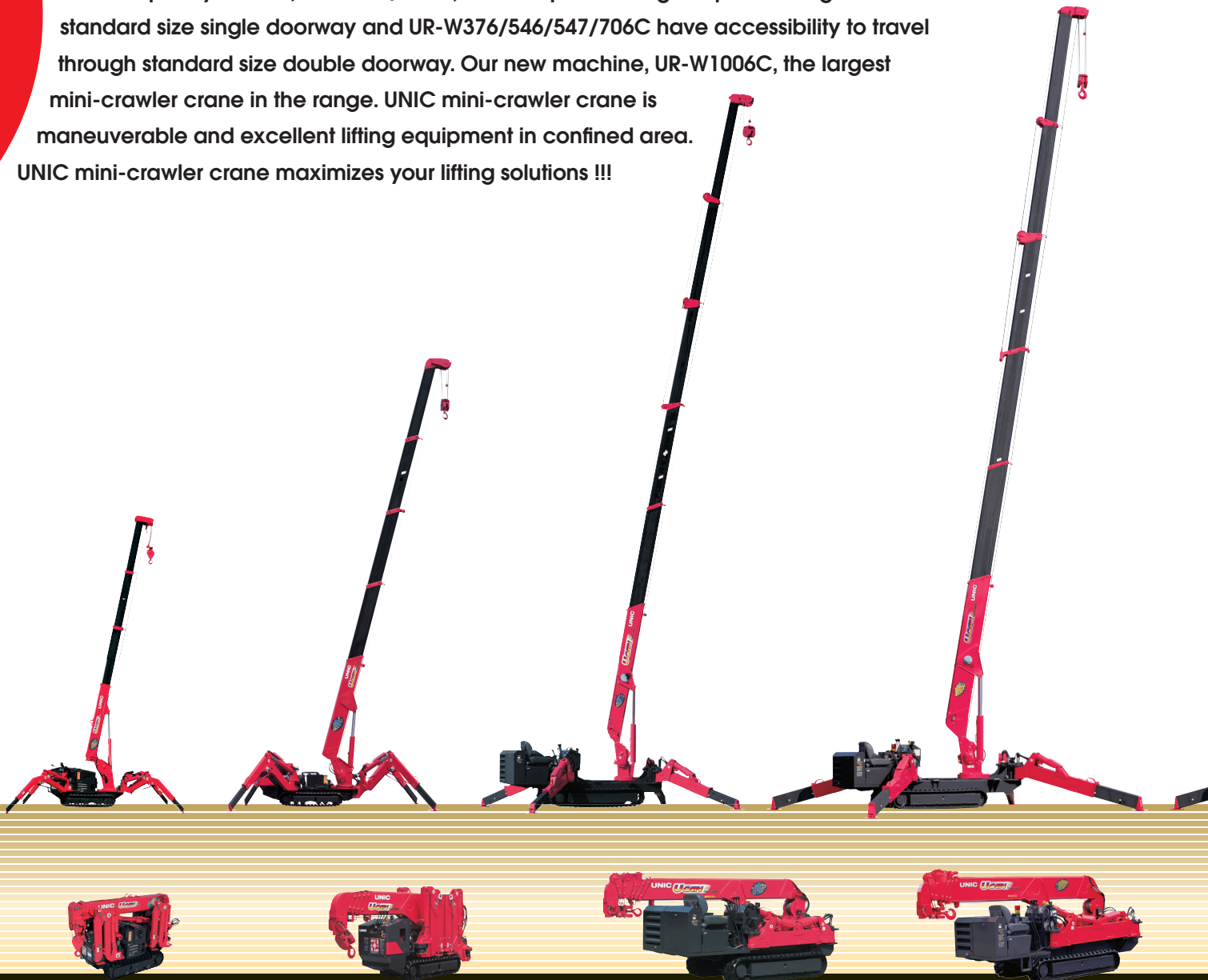
UNIC offers complete and wide range of mini-crawler cranes.

Small capacity cranes, UR-W094/295C, are compact enough to pass through a standard size single doorway and UR-W376/546/547/706C have accessibility to travel through standard size double doorway. Our new machine, UR-W1006C, the largest

mini-crawler crane in the range. UNIC mini-crawler crane is

maneuverable and excellent lifting equipment in confined area.

UNIC mini-crawler crane maximizes your lifting solutions !!!



## UR-W094C

Lifting capacity	0.995t × 1.5m
Max working radius	5.17m
Max hook height	5.6m (Approx.)
Dimensions	(W) 595mm
	(H) 1290mm
	(L) 1870mm
Mass of crane	1000kg

## UR-W295C

Lifting capacity	2.93t × 1.4m
Max working radius	8.41m
Max hook height	8.8m (Approx.)
Dimensions	(W) 600mm
	(H) 1375mm
	(L) 2690mm*
Mass of crane	1850kg*

## UR-W376C

Lifting capacity	3.03t × 2.5m
Max working radius	14.45m
Max hook height	14.9m (Approx.)
Dimensions	(W) 1300mm
	(H) 1800mm
	(L) 4340mm
Mass of crane	3860kg

## UR-W546C

Lifting capacity	4.05t × 2.5m
Max working radius	15.52m
Max hook height	16.0m (Approx.)
Dimensions	(W) 1380mm
	(H) 2035mm
	(L) 4870mm
Mass of crane	4920kg

\* Petrol engine model



# CRANE LINE-UP



## UR-W547C

Lifting capacity	4.05t × 2.5m
Max working radius	17.83m
Max hook height	18.2m (Approx.)
Dimensions	(W) 1380mm
	(H) 1980mm
	(L) 4955mm
Mass of crane	5020kg

## UR-W706C

Lifting capacity	6.05t × 3.0m
Max working radius	18.60m
Max hook height	19.5m (Approx.)
Dimensions	(W) 1670mm
	(H) 2185mm
	(L) 5610mm
Mass of crane	7920kg

## UR-W1006C

Lifting capacity	10.14t × 3.0m
Max working radius	21.93m
Max hook height	22.8m (Approx.)
Dimensions	(W) 2000mm
	(H) 2460mm
	(L) 6060mm
Mass of crane	13800kg



# UR-W094C

**UR-W094C is the smallest mini-crawler crane in the range.**

Measuring 595mm wide and weighing 1000kg, it is ideal for maneuvering into confined working area and capable to pass through standard size single doorway. Its outriggers allow for independent multi-angle configurations to sit at the best position in restricted or confined area.

**Max 5.17m**  
Working radius

**Max 5.6m**  
Hook height (Approx.)  
(Above ground level)

**Max 0.995t**  
**×1.5m**  
Lifting capacity

**1000kg**  
Mass of crane

Radio remote control

## SPECIFICATIONS

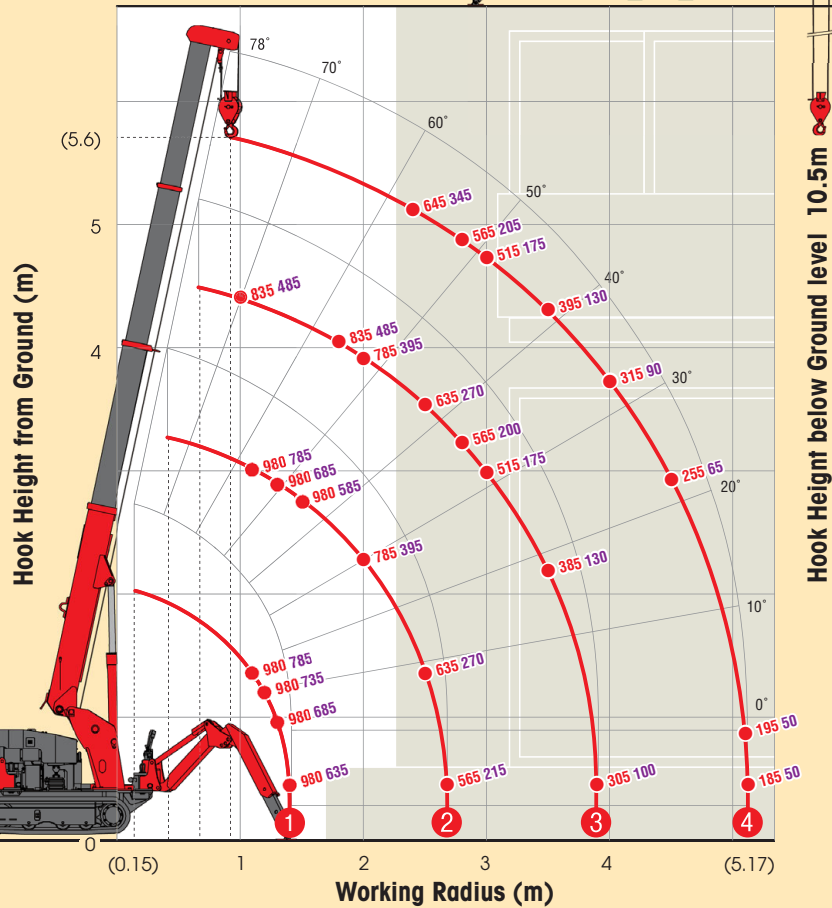
Crane model		UR-W094C
Lifting capacity		Max. 0.995t at 1.5m
Working radius		Min. 0.15m, Max. 5.17m
Hook height (Approx.)	Above ground level	Max. 5.6m
	Below ground level	Max. 10.5m with 2-part line
Boom	Length	Min. 1.73m to Max. 5.49m
	Extending speed	3.76m / 17.0 sec.
	Raising angle / speed	0° to 78° / 6.5 sec.
	Structure	4-section box beam type telescoping boom
Winch	Single line speed	17.0 m/min (at 3rd layer)
	Hook speed	8.5 m/min (at 3rd layer with 2-part line)
	Structure	Hydraulic motor driven, worm gear reduction, worm self-locking brake and wire rope retaining roller
	Wire rope	Construction : 6 x Fi(29) GRADE B / Diameter x Length : 7mm x 27.0m / Breaking strength : 28.9kN [2950 kgf]
Stewing	Hook block	0.98t capacity, single sheave with safety latch
	Range	360° continuous rotation on a ball bearing race
	Speed	1.5 rpm
	Structure	Trochoid motor, worm gear reduction, spur gear reduction, and worm self-locking brake (supported by ball bearings)
Outriggers		3-steps (with damper) for bend and 4-steps extension. Double acting hydraulic cylinders with double pilot-operated check valves, direct pushing type (Directly connected with hydraulic automatic lock device)
Hydraulic pump	Type	Variable delivery piston pump
	Rated pressure	21.6 MPa [220 kgf/cm <sup>2</sup> ]
	Rated delivery	20 liters/min
	Rated revolution	1800 rpm
Hydraulic oil tank capacity		17 liters
Safety devices		Pressure relief valve for hydraulic circuit / Counterbalance valves for boom raising and boom telescoping cylinders / Double pilot-operated check valves for outrigger cylinders Boom angle indicator with load indicator / Hook safety latch / Automatic stop for overwinding / Overwinding alarm / Automatic stop for leaving minimum wire rope Emergency stop button (Ignition cut) / Inter-lock device of crane and crawling levers / Inter-lock device of crane and outriggers / Level / Load meter



# UNIC MINI-CRAWLER CRANE

## WORKING RANGE & NET RATED LOADS (kg)

Outrigger ● Max-extended NOT max-extended



### Automatic stop for overwinding

Weight for Automatic stop for overwinding

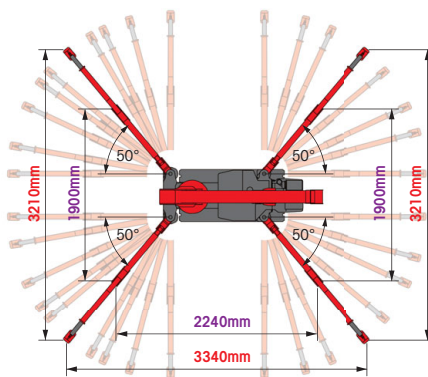
### Emergency stop button

### White crawler belt (Options)

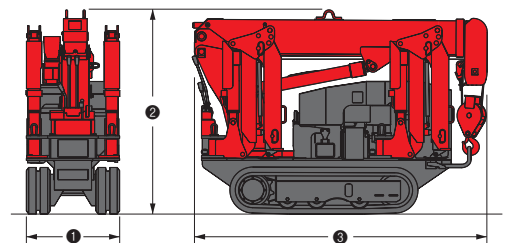
## OUTRIGGER POSITIONS

Outrigger Max-extended

Outrigger NOT max-extended



## DIMENSIONS



## CRAWLING GEAR

Crane model	UR-W094C
Crawling speed	0~2.2 km/h, forward / reverse
Hill climbing ability	20°
Tread length	900mm
Ground contact pressure	36.3 kPa [0.37 kg/cm <sup>2</sup> ]
Engine manufacturer / model	Mitsubishi / GB300LE
Displacement	296cc
Maximum output	5.5kW(7.5PS) / 1800 rpm, Rated output
Fuel	Petrol
Fuel tank capacity	6 liters
Steering	Hydraulic drive independent of left / right
Starter	Starter motor (Recoil starter)

Crane model	UR-W094C
① Total width	595mm
② Total height	1290mm
③ Total length	1870mm
Mass of crane	1000kg



# UR-W295C

**UR-W295C is narrow enough to allow access through standard size doorway, but with 2.93t of lifting power.**

UNIC original stability sensor system provides the benefit of turnover protection for safety. Its outriggers allow for independent multi-angle configurations to place at the best position in restricted or confined area. Easy and quickly installed searcher hook and fly jib options will increase working radius and lifting height further more.

**Max  
8.8m**

Hook height (Approx.)  
(Above ground level)

with electric power unit



**Max  
2.93t  
×1.4m**

Lifting capacity

**1850kg**

Mass of crane

**Max  
8.41m**

Working radius

Radio  
remote  
control



## SPECIFICATIONS

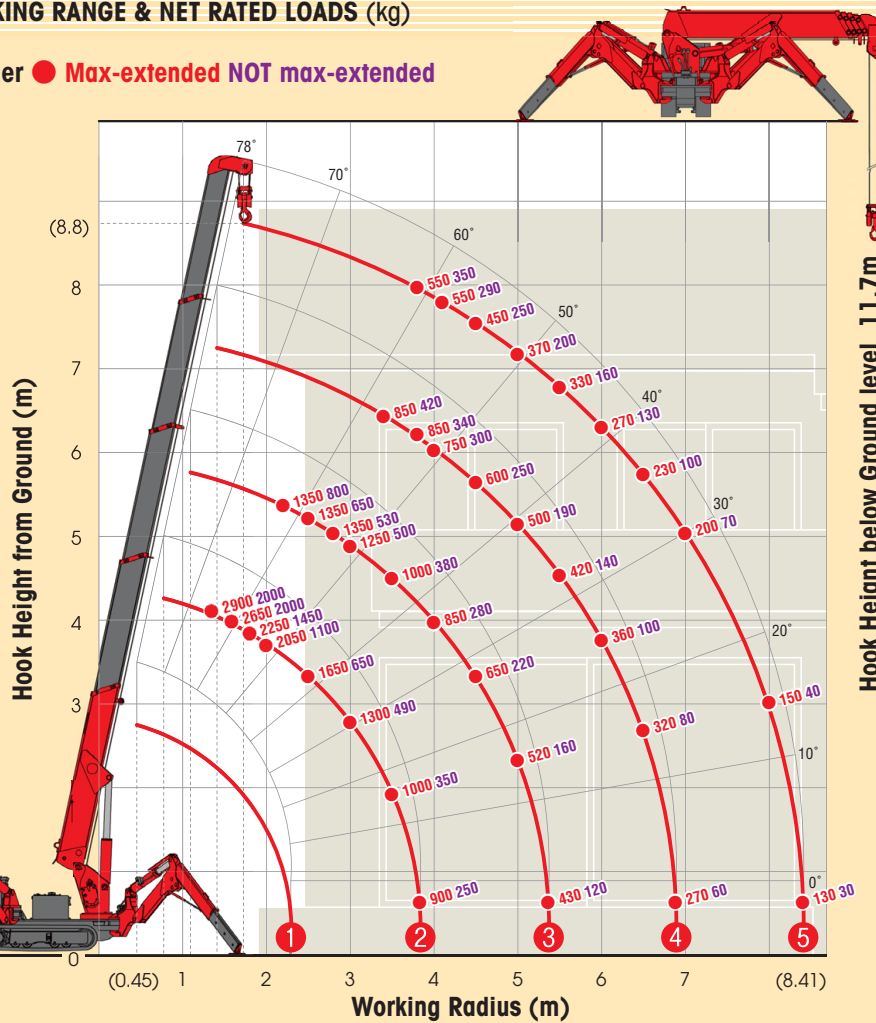
Crane model		UR-W295C	UR-W295C1
Lifting capacity		Max. 2.93t at 1.4m	
Working radius		Min. 0.45m, Max. 8.41m	
Hook height (Approx.)	Above ground level	Max. 8.8m	
	Below ground level	Max. 11.7m with 4-part line	
Boom	Length	Min. 2.53m to Max. 8.65m	
	Extending speed [with electric power unit]	6.12m / 20.0 sec. [50Hz] 6.12m / 34.0 sec. [60Hz] 6.12m / 28.0 sec.	6.12m / 22.0 sec. [50Hz] 6.12m / 33.0 sec. [60Hz] 6.12m / 28.0 sec.
	Raising angle / speed [with electric power unit]	0° to 78° / 11.0 sec. [50Hz] 0° to 78° / 18.0 sec. [60Hz] 0° to 78° / 15.0 sec.	0° to 78° / 12.0 sec. [50Hz] 0° to 78° / 18.0 sec. [60Hz] 0° to 78° / 15.0 sec.
	Structure	5-section box beam type telescoping boom	
Winch	Single line speed [with electric power unit]	40.0 m/min (at 4th layer) [50Hz] 22.0 m/min (at 4th layer) [60Hz] 27.0 m/min (at 4th layer)	
	Hook speed [with electric power unit]	10.0 m/min (at 4th layer with 4-part line) [50Hz] 5.5 m/min (at 4th layer with 4-part line) [60Hz] 6.7 m/min (at 4th layer with 4-part line)	
	Structure	Hydraulic motor driven, spur gear reduction, with automatic mechanical brake	
	Wire rope	Construction : IWRC 6 x WS(26) GRADE B / Diameter x Length : 8mm x 54.0m / Breaking strength : 42.4kN [4320 kgf]	
Slewing	Hook block	2.90t capacity, 2 sheaves with safety latch	
	Range	360° continuous rotation on a ball bearing race	
	Speed [with electric power unit]	1.5 rpm [50Hz] 1.5 rpm [60Hz] 1.5 rpm	
Outriggers	Structure	Trochoid motor, worm gear reduction, spur gear reduction, and worm self-locking brake (supported by ball bearings)	
		2-section (with damper) for bend and 3-section extension. Double acting hydraulic cylinders with pilot-operated check valves, direct pushing type (Directly connected with hydraulic automatic lock device)	
Hydraulic Pump	Type	Variable delivery piston pump	
	Rated pressure	21.6 MPa [220 kgf/cm <sup>2</sup> ]	
	Rated delivery	38 liters/min	30 liters/min
	Rated revolution	2000 rpm	2600 rpm
Hydraulic oil tank capacity		27 liters	
Safety devices		Pressure relief valve for hydraulic circuit / Counterbalance valves for boom raising and boom telescoping cylinders / Pilot-operated check valves for outrigger cylinders / Boom angle indicator with load indicator / Hook safety latch / Automatic mechanical brake for winch / Automatic stop for overwinding / Overwinding alarm / Automatic stop for leaving minimum wire rope / Emergency stop button (Ignition cut) / Inter-lock device of crane and crawling levers / Inter-lock device of crane and outriggers / Level / Turn over prevention device / Load meter	



# UNIC MINI-CRAWLER CRANE

## WORKING RANGE & NET RATED LOADS (kg)

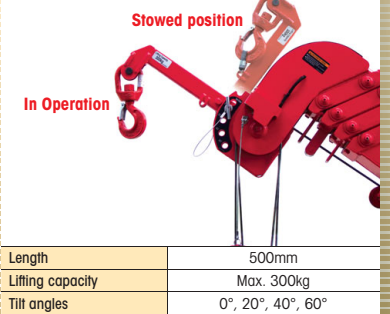
Outrigger ● Max-extended NOT max-extended



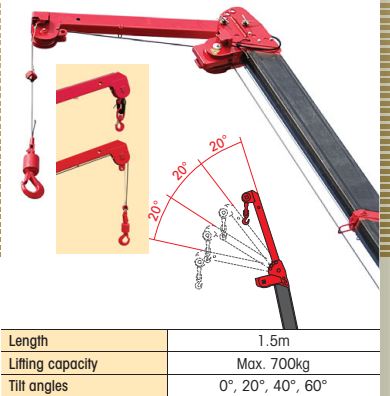
Load meter



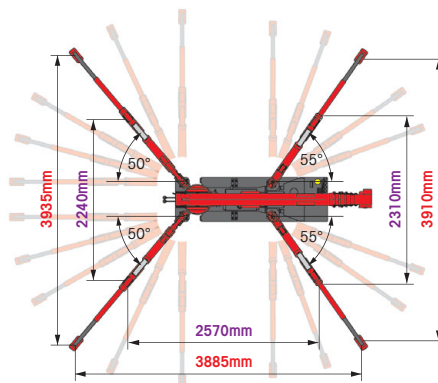
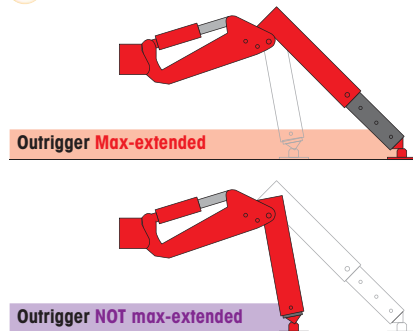
Searcher hook assembly (Options)



Fly jib assembly (Options)



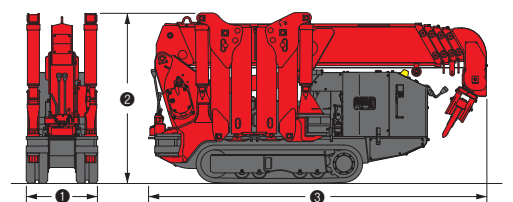
## OUTRIGGER POSITIONS



## CRAWLING GEAR

Crane model	UR-W295C	UR-W295C1
Crawling speed [with electric power unit]	0~2.3 km/h, forward / reverse [50Hz] 0~1.2 km/h [60Hz] 0~1.4 km/h	0~2.0 km/h, forward / reverse [50Hz] 0~1.2 km/h [60Hz] 0~1.4 km/h
Hill climbing ability	20°	20°
Tread length	1050mm	1050mm
Ground contact pressure [with electric power unit]	48.0 kPa [0.49 kgf/cm <sup>2</sup> ] 51.4 kPa [0.52 kgf/cm <sup>2</sup> ]	49.8 kPa [0.51 kgf/cm <sup>2</sup> ] 52.9 kPa [0.54 kgf/cm <sup>2</sup> ]
Engine manufacturer / model	Mitsubishi / GB400LE	Kubota / Z482-E3B
Displacement	391cc	479cc
Maximum output	6.6kW(9.0PS) / 1800 rpm, Rated output	7.4kW(10.0PS) / 2600 rpm, Rated output
Fuel	Petrol	Diesel
Fuel tank capacity	6 liters	10 liters
Steering	Hydraulic drive independent of left / right	Hydraulic drive independent of left / right
Starter	Starter motor (Recoil starter)	Starter motor

## DIMENSIONS



Crane model	UR-W295C	UR-W295C1
① Total width	600mm	
② Total height	1375mm	[1430mm]
③ Total length	2690mm	2730mm
Mass of crane	1850kg [1980kg]	1920kg [2040kg]

[with electric power unit]

## Electric power unit specifications

Rated power	3.7kW (3-phase 4 poles)
Voltage	AC 200V or 400V (50Hz / 60Hz) 3 phase 4P

\*Not included any cables.



# UR-W376C

**UR-W376C features a six-section hydraulic boom to allow a maximum hook height of 14.9m.**

The middle size UNIC mini-crawler crane can be operated either from the onboard operator seat or from a distance using a remote control. Its class-leading boom length of 14.61m brings wide working radius and excellent lifting height.

**Max  
14.9m**

Hook height (Approx.)  
(Above ground level)

with electric power unit



**Max  
3.03t  
×2.5m**

Lifting capacity

**Max  
14.45m**

Working radius

**3860kg**

Mass of crane

Radio  
remote  
control

## SPECIFICATIONS

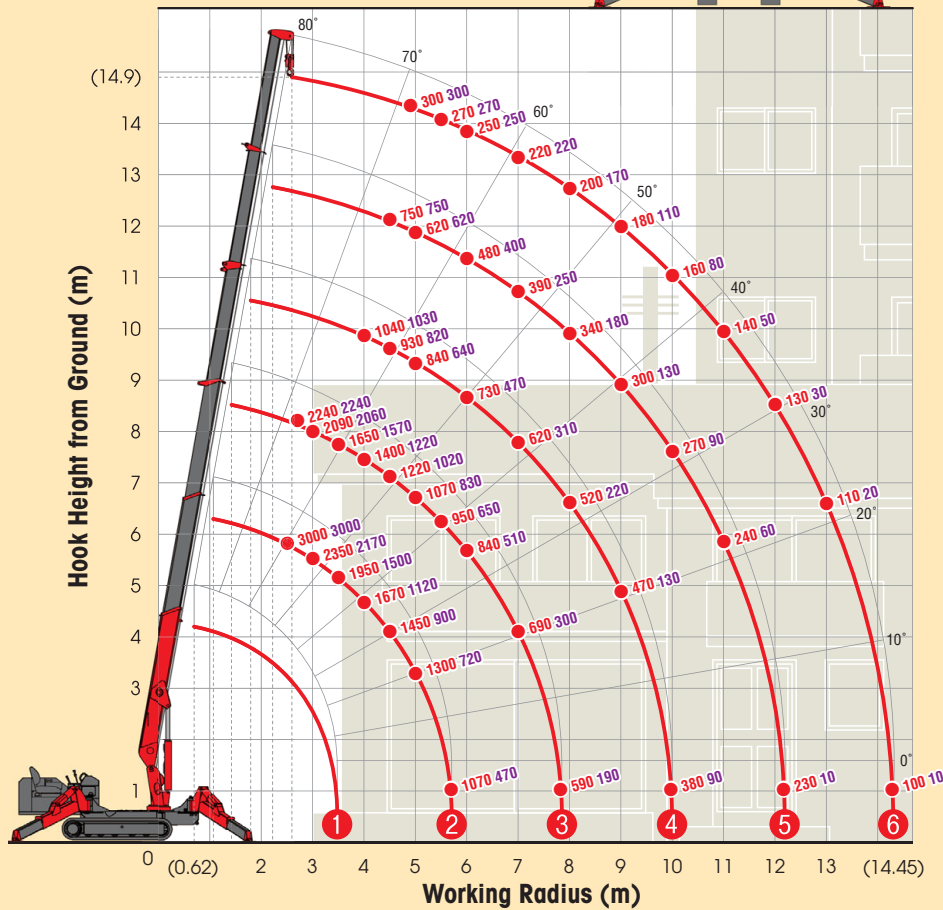
Crane model		UR-W376C2
Lifting capacity		Max. 3.03t at 2.5m
Working radius		Min. 0.62m, Max. 14.45m
Hook height (Approx.)	Above ground level	Max. 14.9m
	Below ground level	Max. 18.7m with 4-part line
Boom	Length	Min. 3.63m to Max. 14.61m
	Extending speed	10.98m / 23.0 sec.
	[with electric power unit]	[50Hz] 10.98m / 40.0 sec. [60Hz] 10.98m / 33.5 sec.
	Raising angle / speed	0° to 80° / 10.0 sec.
	[with electric power unit]	[50Hz] 0° to 80° / 18.0 sec. [60Hz] 0° to 80° / 15.0 sec.
Winch	Structure	6-section box beam type telescoping boom
	Single line speed	68.0 m/min (at 4th layer)
	[with electric power unit]	[50Hz] 34.0 m/min (at 4th layer) [60Hz] 40.0 m/min (at 4th layer)
	Hook speed	17.0 m/min (at 4th layer with 4-part line)
	[with electric power unit]	[50Hz] 8.5 m/min (at 4th layer with 4-part line) [60Hz] 10.0 m/min (at 4th layer with 4-part line)
Slewing	Structure	Hydraulic motor driven, spur gear reduction, with automatic mechanical brake and wire rope retaining roller
	Wire rope	Construction : IWRC 6 x WS(26) GRADE B / Diameter x Length : 8mm x 85.0m / Breaking strength : 42.4kN [4320 kgf]
	Hook block	3.00t capacity, 2 sheaves with safety latch
Outriggers	Range	360° continuous rotation on a ball bearing race
	Speed [with electric power unit]	2.5 rpm [50Hz] 2.1 rpm [60Hz] 2.5 rpm
Hydraulic pump	Structure	Hydraulic motor driven, worm gear reduction, spur gear reduction, and worm self-locking brake (supported by ball bearings)
	Rated pressure	21.6 MPa [220 kgf/cm <sup>2</sup> ]
	Rated delivery	60 liters/min
	Rated revolution	2500 rpm
Hydraulic oil tank capacity		75 liters
Safety devices		Pressure relief valve for hydraulic circuit / Counterbalance valves for boom raising and boom telescoping cylinders / Pilot-operated check valves for outrigger cylinders (Horizontal) Double pilot-operated check valves for outrigger cylinders (Vertical) / Boom angle indicator with load indicator / Hook safety latch / Automatic mechanical brake for winch Automatic stop for overwinding / Overwinding alarm / Automatic stop for leaving minimum wire rope / Emergency stop button / Inter-lock device of crane and crawling levers Inter-lock device of crane and outriggers / Level / Automatic stop for overloading (KM-100) / Digital load meter / Three colored lamp / Headlight / Boom outrigger monitor lamp



# UNIC MINI-CRAWLER CRANE

## WORKING RANGE & NET RATED LOADS (kg)

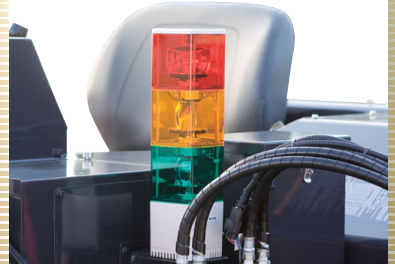
Outrigger ● Max-extended NOT max-extended



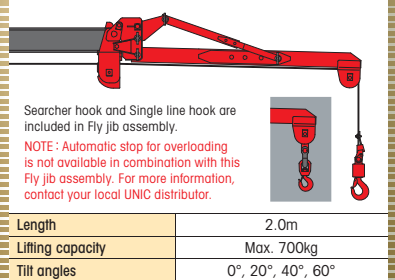
Automatic stop for overloading (KM-100)



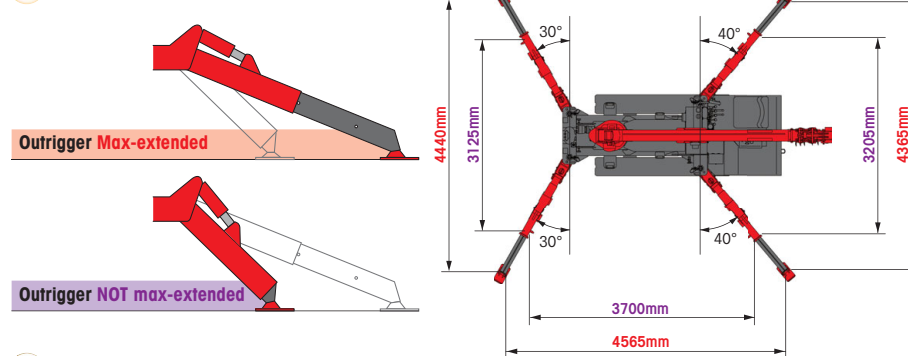
Three colored lamp



Fly jib assembly (Options)



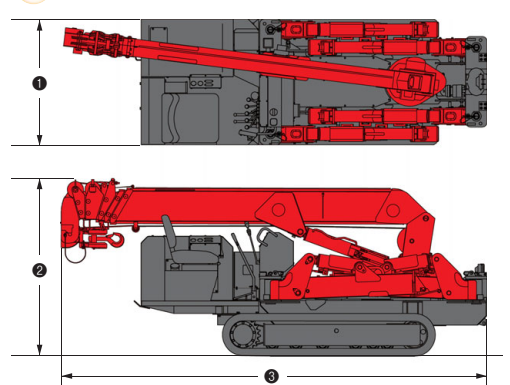
## OUTRIGGER POSITIONS



## CRAWLING GEAR

Crane model	UR-W376C2
Crawling speed [with electric power unit]	0~3.0 km/h, forward / backward [50Hz] 0~1.3 km/h [60Hz] 0~1.5 km/h
Hill climbing ability	23°
Tread length	1750mm
Ground contact pressure [with electric power unit]	36.3 kPa [0.37 kgf/cm <sup>2</sup> ] 37.3 kPa [0.38 kgf/cm <sup>2</sup> ]
Engine manufacturer / model	Yanmar / 3TNV76
Displacement	1115cc
Maximum output	15.17kW(20.6PS) / 2500 rpm, Rated output
Fuel	Diesel
Fuel tank capacity	40 liters
Steering	Hydraulic drive independent of left / right
Starter	Starter motor

## DIMENSIONS



Crane model	UR-W376C2
1 Total width	1300mm
2 Total height	1800mm
3 Total length	4340mm
Mass of crane	3860kg [4010kg]

[with electric power unit]

## Electric power unit specifications

Rated power	7.5kW (3-phase 4 poles)
Voltage	AC 200V or 400V (50Hz / 60Hz) 3 phase 4P

\*Not included any cables.



# UR-W546C

**UR-W546C features maximum 4.05t lifting power to allow heavy load lifting operation.**

It is capable of lifting maximum 4.05t at 2.5m with a size of only 1400mm wide. It offers a combination of fantastic accessibility and heavy lifting capacity. Standard Automatic stop for overloading device provides the benefit of overloading prevention for safety.

**Max  
16.0m**

Hook height (Approx.)  
(Above ground level)

with electric power unit



**Max  
4.05t  
×2.5m**  
Lifting capacity

**Max  
15.52m**  
Working radius

**4920kg**  
Mass of crane

Radio  
remote  
control



## SPECIFICATIONS

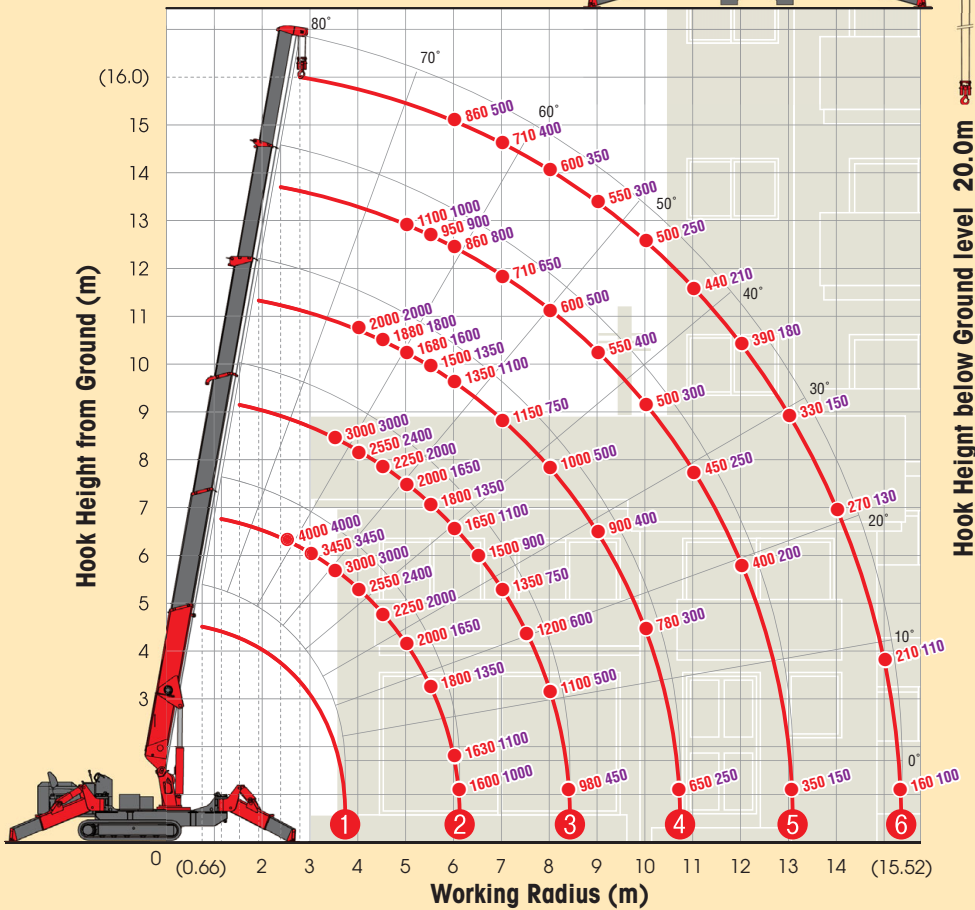
Crane model		UR-W546C2
Lifting capacity		Max. 4.05t at 2.5m
Working radius		Min. 0.66m, Max. 15.52m
Hook height (Approx.)	Above ground level	Max. 16.0m
	Below ground level	Max. 20.0m with 4-part line
Boom	Length	Min. 3.93m to Max. 15.71m
	Extending speed [with electric power unit]	11.78m / 35.0 sec. [50Hz] 11.78m / 57.0 sec. [60Hz] 11.78m / 48.0 sec.
	Raising angle / speed [with electric power unit]	0° to 80° / 18.0 sec. [50Hz] 0° to 80° / 30.0 sec. [60Hz] 0° to 80° / 25.0 sec.
	Structure	6-section box beam type telescoping boom
Winch	Single line speed [with electric power unit]	44.0 m/min (at 4th layer) [50Hz] 34.0 m/min (at 4th layer) [60Hz] 40.0 m/min (at 4th layer)
	Hook speed [with electric power unit]	11.0 m/min (at 4th layer with 4-part line) [50Hz] 8.5 m/min (at 4th layer with 4-part line) [60Hz] 10.0 m/min (at 4th layer with 4-part line)
	Structure	Hydraulic motor driven, spur gear reduction, with automatic mechanical brake and wire rope retaining roller
	Wire rope	Construction : XP IWRC 6 x WS(26) / Diameter x Length : 8mm x 91.5m / Breaking strength : 47.1kN [4800 kgf]
Slewing	Hook block	4.00t capacity, 2 sheaves with safety latch
	Range	360° continuous rotation on a ball bearing race
	Speed [with electric power unit]	2.5 rpm [50Hz] 2.0 rpm [60Hz] 2.3 rpm
Outriggers	Structure	Hydraulic motor driven, worm gear reduction, spur gear reduction, and worm self-locking brake (supported by ball bearings)
	Horizontal, Vertical	A double acting hydraulic cylinder, direct pushing type (Directly connected with hydraulic automatic lock device)
Hydraulic pump	Type	Variable delivery piston pump
	Rated pressure	21.6 MPa [220 kgf/cm <sup>2</sup> ]
	Rated delivery	60 liters/min
	Rated revolution	2500 rpm
Hydraulic oil tank capacity		75 liters
Safety devices		Pressure relief valve for hydraulic circuit / Counterbalance valves for boom raising and boom telescoping cylinders / Pilot-operated check valves for outrigger cylinders (Horizontal) Double pilot-operated check valves for outrigger cylinders (Vertical) / Boom angle indicator with load indicator / Hook safety latch / Automatic mechanical brake for winch Automatic stop for overwinding / Overwinding alarm / Automatic stop for leaving minimum wire rope / Emergency stop button / Inter-lock device of crane and crawling levers Inter-lock device of crane and outriggers / Level / Automatic stop for overloading (KM-100) / Digital load meter / Three colored lamp / Headlight / Boom outrigger monitor lamp



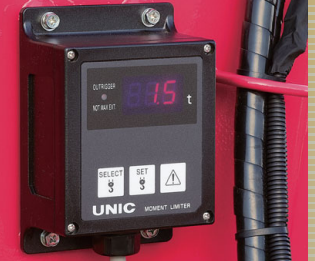
# UNIC MINI-CRAWLER CRANE

## WORKING RANGE & NET RATED LOADS (kg)

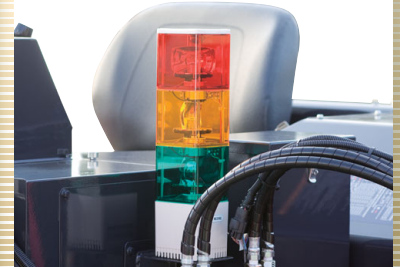
Outrigger ● Max-extended NOT max-extended



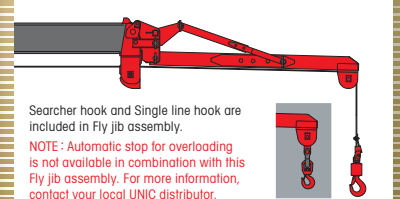
Automatic stop for overloading (KM-100)



Three colored lamp

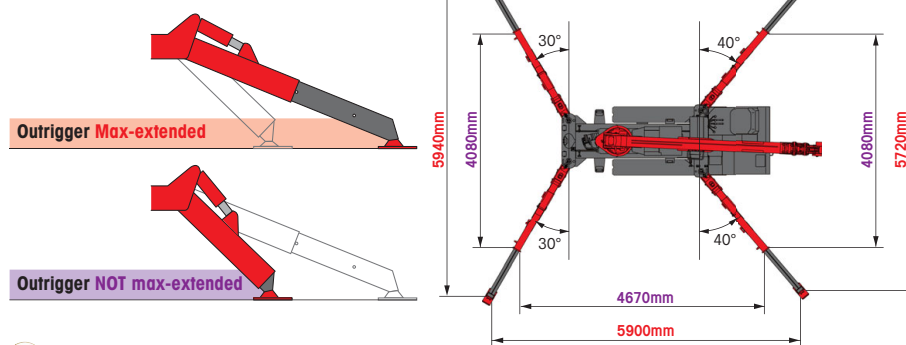


Fly jib assembly (Options)



Length	2.0m
Lifting capacity	Max. 700kg
Tilt angles	0°, 20°, 40°, 60°

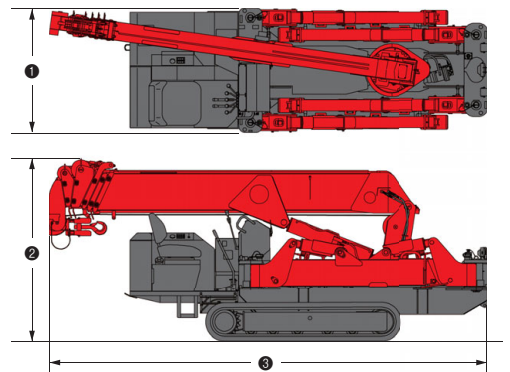
## OUTRIGGER POSITIONS



## CRAWLING GEAR

Crane model	UR-W546C2
Crawling speed	0~3.0 km/h, forward / reverse
[with electric power unit]	[50Hz] 0~1.3 km/h [60Hz] 0~1.5 km/h
Hill climbing ability	23°
Tread length	1750mm
Ground contact pressure	46.1 kPa [0.47 kg/cm <sup>2</sup> ]
[with electric power unit]	47.1 kPa [0.48 kg/cm <sup>2</sup> ]
Engine manufacturer / model	Yanmar / 3TNV76
Displacement	1115cc
Maximum output	15.17kW(20.6PS) / 2500 rpm, Rated output
Fuel	Diesel
Fuel tank capacity	40 liters
Steering	Hydraulic drive independent of left / right
Starter	Starter motor

## DIMENSIONS



Crane model	UR-W546C2
① Total width	1380mm
② Total height	2035mm
③ Total length	4870mm
Mass of crane	4920kg [5070kg]

[with electric power unit]

## Electric power unit specifications

Rated power	7.5kW (3-phase 4 poles)
Voltage	AC 200V or 400V (50Hz / 60Hz) 3 phase 4P

\*Not included any cables.

# UR-W547C

**UR-W547C provides maximum hook height of 18.2m with its seven section hydraulic boom.**

Its compact 7 section long hydraulic boom provides the wide working radius of 17.83m and fantastic hook height of 18.2m. The long and yet compact boom gains a huge variety of lifting situation.

**Max  
18.2m**

Hook height (Approx.)  
(Above ground level)

with electric power unit



**Max  
4.05t  
×2.5m**

Lifting capacity

**Max  
17.83m**

Working radius

**5020kg**

Mass of crane

Radio  
remote  
control



## SPECIFICATIONS

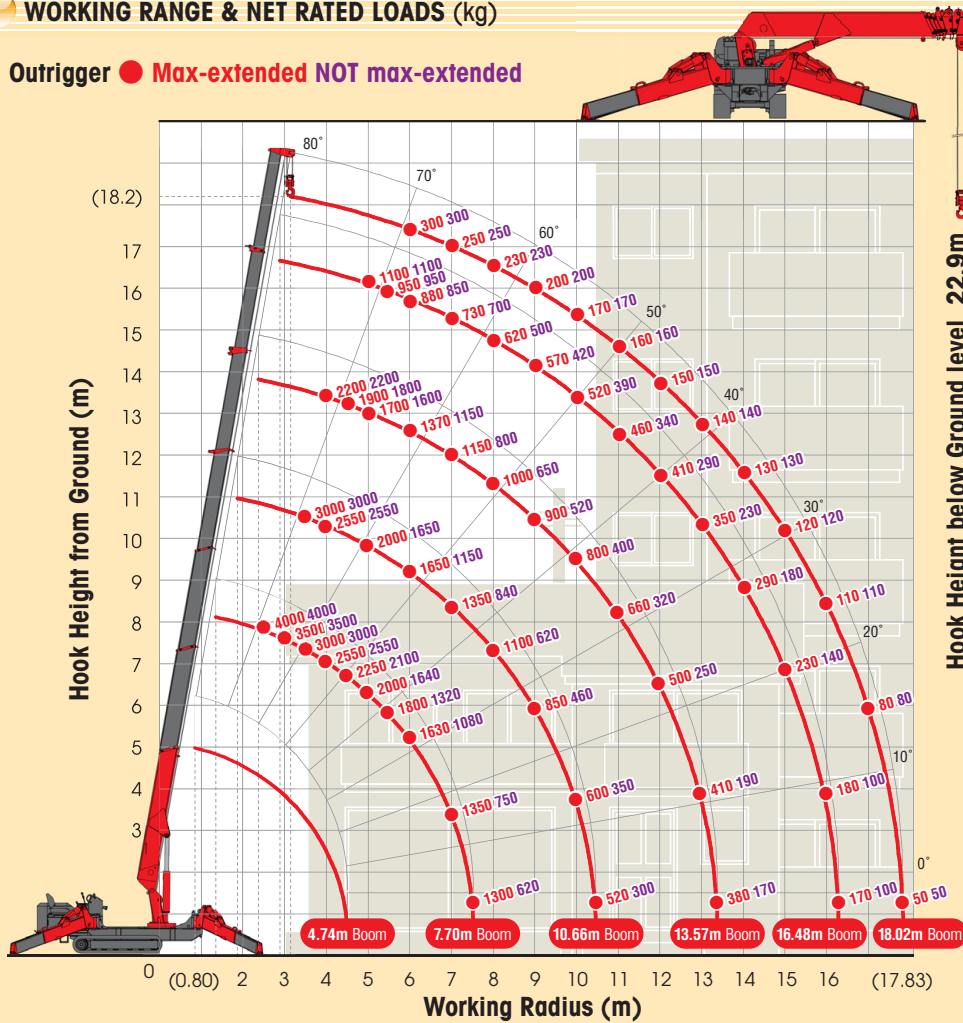
Crane model	UR-W547C2
Lifting capacity	Max. 4.05t at 2.5m
Working radius	Min. 0.80m, Max. 17.83m
Hook height (Approx.)	Above ground level Max. 18.2m Below ground level Max. 22.9m with 4-part line
Boom	Length Min. 3.99m to Max. 18.02m Extending speed 14.03m / 35.0 sec. [with electric power unit] [50Hz] 14.03m / 61.0 sec. [60Hz] 14.03m / 51.0 sec. Raising angle / speed 0° to 80° / 18.0 sec. [with electric power unit] [50Hz] 0° to 80° / 30.0 sec. [60Hz] 0° to 80° / 25.0 sec. Structure 7-section box beam type telescoping boom
Winch	Single line speed 56.0 m/min (at 5th layer) [with electric power unit] [50Hz] 30.0 m/min (at 5th layer) [60Hz] 36.0 m/min (at 5th layer) Hook speed 14.0 m/min (at 5th layer with 4-part line) [with electric power unit] [50Hz] 7.5m/min (at 5th layer with 4-part line) [60Hz] 9.0 m/min (at 5th layer with 4-part line) Structure Hydraulic motor driven, spur gear reduction, with automatic mechanical brake and wire rope retaining roller Wire rope Construction : IWRC L6 x P-WS(26) / Diameter x Length : 8mm x 103.0m / Breaking strength : 53.0kN [5400 kgf] Hook block 4.00t capacity, 2 sheaves with safety latch
Swinging	Range 360° continuous rotation on a ball bearing race Speed [with electric power unit] 2.5 rpm [50Hz] 2.0 rpm [60Hz] 2.3 rpm Structure Hydraulic motor driven, worm gear reduction, spur gear reduction, and worm self-locking brake (supported by ball bearings)
Outriggers	Horizontal, Vertical A double acting hydraulic cylinder, direct pushing type (Directly connected with hydraulic automatic lock device)
Hydraulic pump	Type Variable delivery piston pump Rated pressure 21.6 MPa [220 kgf/cm <sup>2</sup> ] Rated delivery 60 liters/min Rated revolution 2500 rpm
Hydraulic oil tank capacity	75 liters
Safety devices	Pressure relief valve for hydraulic circuit / Counterbalance valves for boom raising and boom telescoping cylinders / Pilot-operated check valves for outrigger cylinders (Horizontal) Double pilot-operated check valves for outrigger cylinders (Vertical) / Boom angle indicator with load indicator / Hook safety latch / Automatic mechanical brake for winch Automatic stop for overwinding / Overwinding alarm / Automatic stop for leaving minimum wire rope / Emergency stop button / Inter-lock device of crane and crawling levers Inter-lock device of crane and outriggers / Level / Automatic stop for overloading (KM-100) / Digital load meter / Three colored lamp / Headlight / Boom outrigger monitor lamp



# UNIC MINI-CRAWLER CRANE

## WORKING RANGE & NET RATED LOADS (kg)

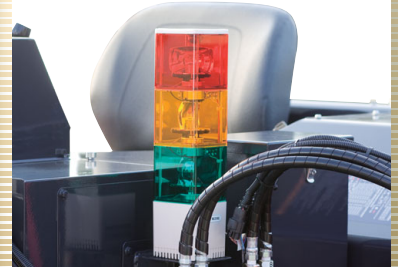
Outrigger ● Max-extended NOT max-extended



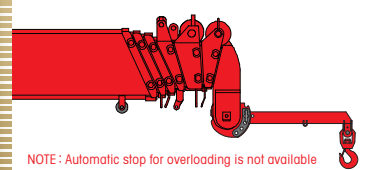
Automatic stop for overloading (KM-100)



Three colored lamp



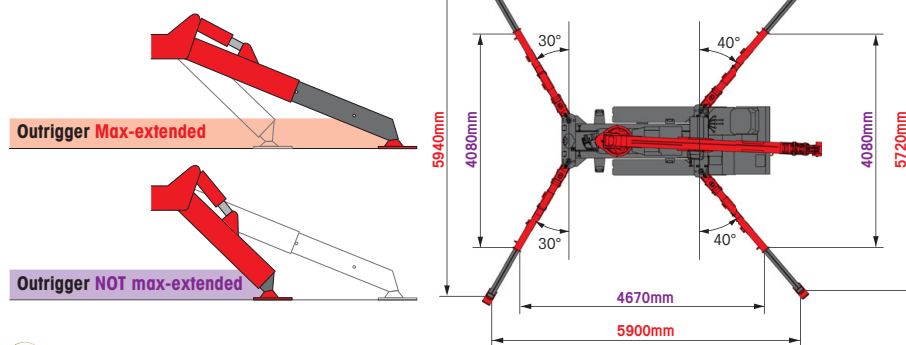
Searcher hook assembly (Options)



NOTE: Automatic stop for overloading is not available in combination with this Searcher hook assembly. For more information, contact your local UNIC distributor.

Length	800mm
Lifting capacity	Max. 500kg
Tilt angles	0°, 20°, 40°, 60°

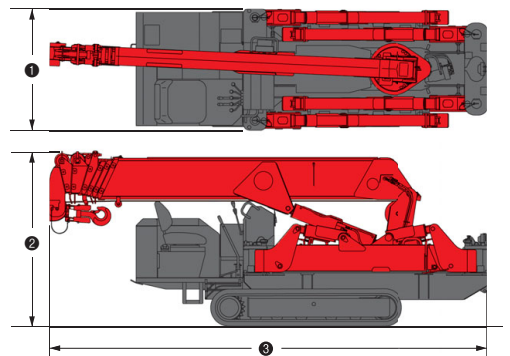
## OUTRIGGER POSITIONS



## CRAWLING GEAR

Crane model	UR-W547C2
Crawling speed [with electric power unit]	0~3.0 km/h, forward / backward [50Hz] 0~1.3 km/h [60Hz] 0~1.5 km/h
Hill climbing ability	23°
Tread length	1750mm
Ground contact pressure [with electric power unit]	47.0 kPa [0.48 kgf/cm <sup>2</sup> ] 48.1 kPa [0.49 kgf/cm <sup>2</sup> ]
Engine manufacturer / model	Yanmar / 3TNV76
Displacement	1115cc
Maximum output	15.17kW(20.6PS) / 2500 rpm, Rated output
Fuel	Diesel
Fuel tank capacity	40 liters
Steering	Hydraulic drive independent of left / right
Starter	Starter motor

## DIMENSIONS



Crane model	UR-W547C2
① Total width	1380mm
② Total height	1980mm
③ Total length	4955mm
Mass of crane	5020kg [5170kg]

[with electric power unit]

## Electric power unit specifications

Rated power	7.5kW (3-phase 4 poles)
Voltage	AC 200V or 400V (50Hz / 60Hz) 3 phase 4P

\*Not included any cables.

# UR-W706C

**UR-W706C features maximum hook height of 19.5m with its six section hydraulic boom.**

With a 6.05t lifting capacity at 3.0m and maximum hook height of 19.5m, it is compact enough to travel through a standard size double doorway. Its compactness and flexibility allow it to travel where no other cranes could have gone before.

**Max  
19.5m**

Hook height (Approx.)  
(Above ground level)

with electric power unit



**Max  
6.05t  
×3.0m**  
Lifting capacity

**Max  
18.60m**  
Working radius

**7980kg**  
Mass of crane

Radio  
remote  
control



## SPECIFICATIONS

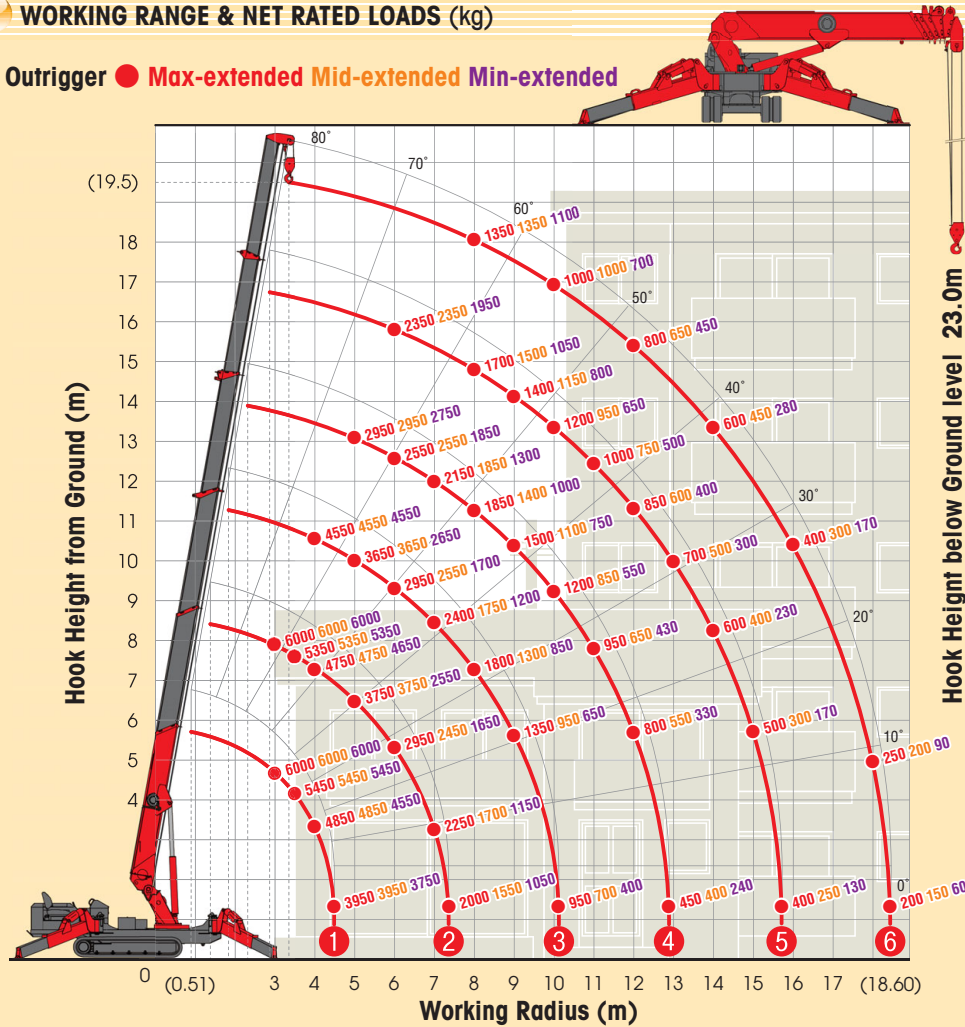
Crane model	UR-W706C2
Lifting capacity	Max. 6.05t at 3.0m
Working radius	Min. 0.51m, Max. 18.60m
Hook height (Approx.)	Above ground level Max. 19.5m Below ground level Max. 23.0m with 4-part line
Boom	Length Min. 4.80m to Max. 19.20m Extending speed 14.40m / 52.0 sec. [with electric power unit] [50Hz] 14.40m / 110.0 sec. [60Hz] 14.40m / 90.0 sec. Raising angle / speed 0° to 80° / 16.0 sec. [with electric power unit] [50Hz] 0° to 80° / 45.0 sec. [60Hz] 0° to 80° / 37.0 sec. Structure 6-section box beam type telescoping boom
Winch	Single line speed 44.0 m/min (at 4th layer) [with electric power unit] [50Hz] 15.6 m/min (at 4th layer) [60Hz] 17.7 m/min (at 4th layer) Hook speed 11.0 m/min (at 4th layer with 4-part line) [with electric power unit] [50Hz] 3.9 m/min (at 4th layer with 4-part line) [60Hz] 4.4 m/min (at 4th layer with 4-part line) Structure Hydraulic motor driven, planetary gear reduction, with automatic mechanical brake and counterbalance valve and wire rope retaining roller Wire rope Construction : IWRC 6 XP F(29) / Diameter x Length : 10mm x 111.0m / Breaking strength : 92.2kN [9400 kgf] Hook block 6.00t capacity, 2 sheaves with safety latch
Stewing	Range 360° continuous rotation on a ball bearing race Speed [with electric power unit] 2.5 rpm [50Hz] 1.8 rpm [60Hz] 1.8 rpm Structure Hydraulic motor driven, worm gear reduction, spur gear reduction, and worm self-locking brake (supported by ball bearings)
Outriggers	Horizontal, Vertical A double acting hydraulic cylinder, direct pushing type (Directly connected with hydraulic automatic lock device)
Hydraulic pump	Type Variable delivery piston pump Rated pressure 24.5 MPa [250 kgf/cm <sup>2</sup> ] Rated delivery 81 liters/min Rated revolution 2500 rpm
Hydraulic oil tank capacity	120 liters
Safety devices	Pressure relief valve for hydraulic circuit / Counterbalance valves for boom raising and boom telescoping cylinders / Pilot-operated check valves for outrigger cylinders (Horizontal) Double pilot-operated check valves for outrigger cylinders (Vertical) / Boom angle indicator with load indicator / Hook safety latch / Automatic mechanical brake for winch Automatic stop for overwinding / Overwinding alarm / Automatic stop for leaving minimum wire rope / Emergency stop button / Inter-lock device of crane and crawling levers Inter-lock device of crane and outriggers / Level / Automatic stop for overloading (ML-300) / Digital load meter / Three colored lamp / Headlight / Boom outrigger monitor lamp



# UNIC MINI-CRAWLER CRANE

## WORKING RANGE & NET RATED LOADS (kg)

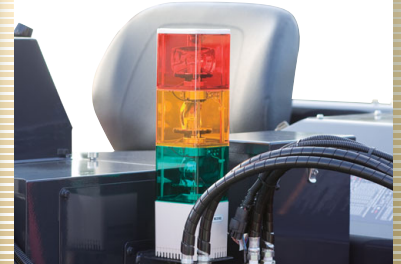
Outrigger ● Max-extended Mid-extended Min-extended



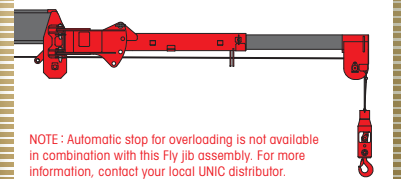
### Automatic stop for overloading (ML-300)



### Three colored lamp



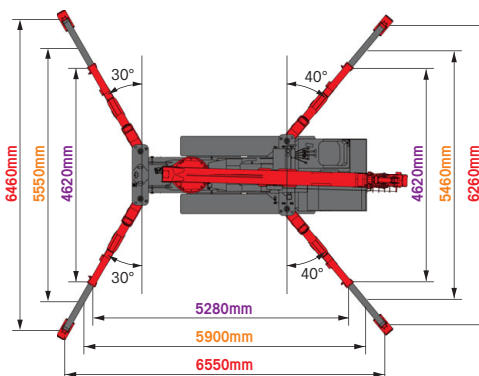
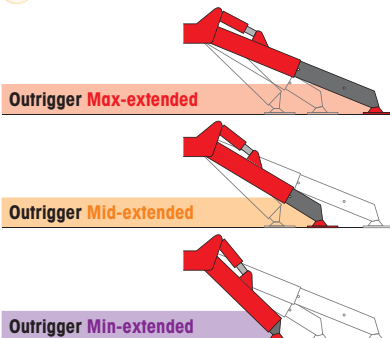
### Fly jib assembly (Options)



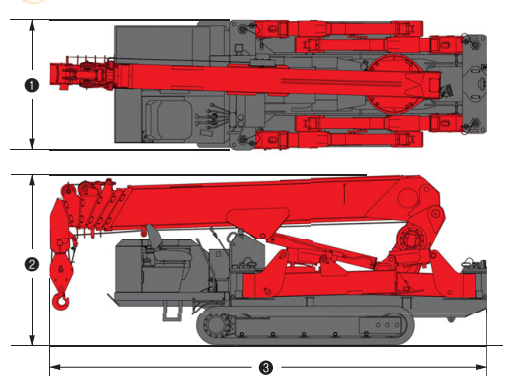
NOTE: Automatic stop for overloading is not available in combination with this Fly jib assembly. For more information, contact your local UNIC distributor.

Length	at 2.11m or at 3.11m
Lifting capacity	Max. 800kg
Tilt angles	0°, 20°, 40°, 60°

## OUTRIGGER POSITIONS



## DIMENSIONS



## CRAWLING GEAR

Crane model	UR-W706C2
Crawling speed	0~2.9 km/h, forward / backward
[with electric power unit]	[50Hz] 0~1.0 km/h [60Hz] 0~1.2 km/h
Hill climbing ability	23°
Tread length	2275mm
Ground contact pressure	43.2 kPa [0.44 kg/cm <sup>2</sup> ]
[with electric power unit]	44.1 kPa [0.45 kg/cm <sup>2</sup> ]
Engine manufacturer / model	Mitsubishi / S4L2
Displacement	1758cc
Maximum output	23.00kW(31.3PS) / 2500 rpm, Rated output
Fuel	Diesel
Fuel tank capacity	74 liters
Steering	Hydraulic drive independent of left / right
Starter	Starter motor

Crane model	UR-W706C2
① Total width	1670mm
② Total height	2185mm
③ Total length	5610mm
Mass of crane	7920kg [8080kg]

[with electric power unit]

### Electric power unit specifications

Rated power	7.5kW (3-phase 4 poles)
Voltage	AC 200V or 400V (50Hz / 60Hz) 3 phase 4P

\*Not included any cables.

# UR-W1006C

**The mightiest Mini Crawler Cranes in the world, UR-W1006C boasts an unrivalled 10.14t lifting capacity.**

UR-W1006C offers a generous 30.7m lifting height and 24.3m working radius, yet at only 2000mm wide still retains class-beating minimal dimensions for working in restricted areas. UR-W1006C also has a Pick & Carry function which enables it to travel with loads up to 1500kg. The full interlocking system and configurable outriggers ensures maximum stability on uneven ground surfaces.

Max  
**22.8m**  
30.7m (with Fly jib assembly)  
Hook height (Approx.)  
(Above ground level)



Max  
**10.14t**  
×3.0m  
Lifting capacity

Max  
**21.93m**  
24.3m (with Fly jib assembly)  
Working radius

**13800kg**  
Mass of crane

Radio  
remote  
control

NOTE : This transmitter is subject to alteration in some countries.  
For more information, contact your local UNIC distributor.

## SPECIFICATIONS

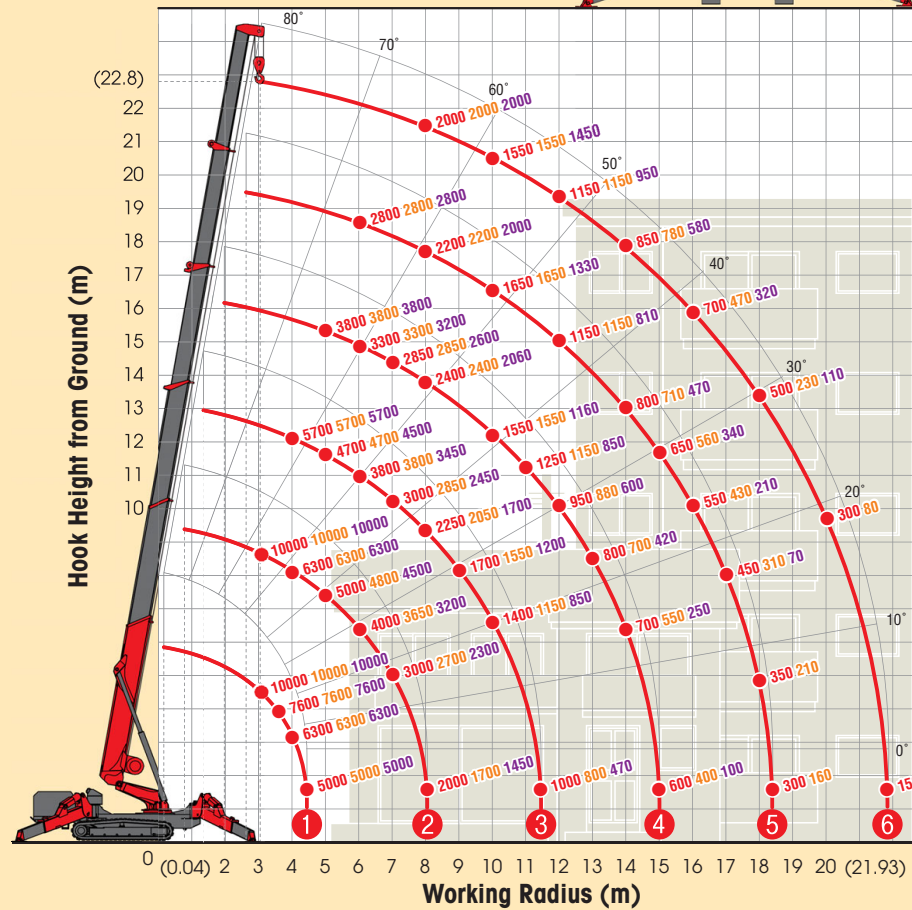
Crane model	UR-W1006C2
Lifting capacity	Max. 10.14t at 3.0m : with Fly jib assembly Max. 1.05t at 9.7m (boom angle 70° and jib tilt angle 0°)
Working radius	Min. 0.04m, Max. 21.93m : with Fly jib assembly Max. 24.30m
Hook height (Approx.)	Above ground level Max. 22.8m : with Fly jib assembly Max. 30.7m Below ground level Max. 30.0m with 4-part line : with Fly jib assembly Max. 123.0m with 1-part line
Boom	Length Min. 5.75m to Max. 23.10m Extending speed 17.35m / 88.0 sec. [with electric power unit] [50Hz] 17.35m / 123.0 sec. [60Hz] 17.35m / 103.0 sec. Raising angle / speed 0° to 80° / 44.0 sec. [with electric power unit] [50Hz] 0° to 80° / 80.0 sec. [60Hz] 0° to 80° / 67.0 sec. Structure 6-section box beam type telescoping boom
Winch	Single line speed 40.0 m/min (at 4th layer) [with electric power unit] [50Hz] 20.8 m/min (at 4th layer) [60Hz] 24.8 m/min (at 4th layer) Hook speed 10.0 m/min (at 4th layer with 4-part line) [with electric power unit] [50Hz] 5.2 m/min (at 4th layer with 4-part line) [60Hz] 6.2 m/min (at 4th layer with 4-part line) Structure Hydraulic motor driven, planetary gear reduction, with automatic mechanical brake and counterbalance valve and wire rope retaining roller Wire rope Construction : XP IWRC 6 x WS(31) / Diameter x Length : 13mm x 140.0m / Breaking strength : 131.0kN [13400 kgf] Hook block 10.00t capacity, 3 sheaves with safety latch
Stewing	Range 360° continuous rotation on a ball bearing race Speed [with electric power unit] 1.3 rpm [50Hz] 1.2 rpm [60Hz] 1.2 rpm Structure Hydraulic motor driven, worm gear reduction, spur gear reduction, and worm self-locking brake (supported by ball bearings)
Outriggers	Horizontal, Vertical / Position A double acting hydraulic cylinder, direct pushing type (Directly connected with hydraulic automatic lock device) / A double acting hydraulic cylinder with link system Type Variable delivery piston pump
Hydraulic pump	Rated pressure 27.5 MPa [280 kgf/cm <sup>2</sup> ] Rated delivery 105 liters/min Rated revolution 2500 rpm
Hydraulic oil tank capacity	215 liters
Safety devices	Pressure relief valve for hydraulic circuit / Counterbalance valves for boom raising and boom telescoping cylinders / Pilot-operated check valves for outrigger cylinders (Horizontal) Double pilot-operated check valves for outrigger cylinders (Vertical) / Boom angle indicator with load indicator / Hook safety latch / Automatic mechanical brake for winch Automatic stop for overwinding / Overwinding alarm / Automatic stop for leaving minimum wire rope / Emergency stop button / Inter-lock device of crane and crawling levers Inter-lock device of crane and outriggers / Level / Safe load indicator / Three colored lamp / Headlight / Boom outrigger monitor lamp



# UNIC MINI-CRAWLER CRANE

## WORKING RANGE & NET RATED LOADS (kg)

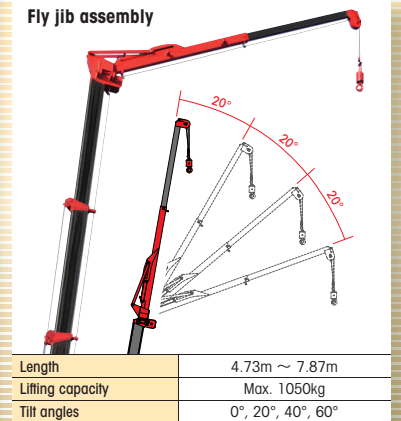
Outrigger ● Max-extended Mid-extended Min-extended



## Safe load indicator



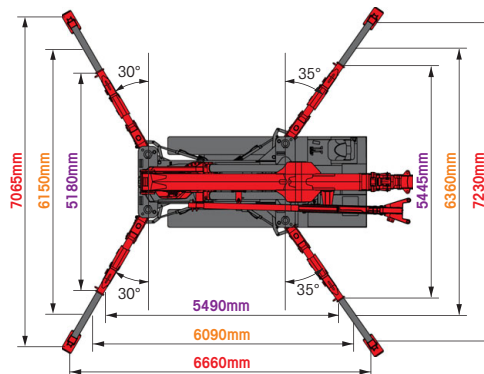
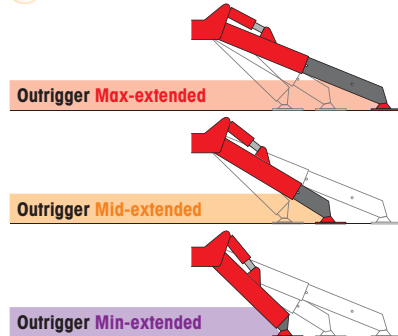
## Fly jib assembly



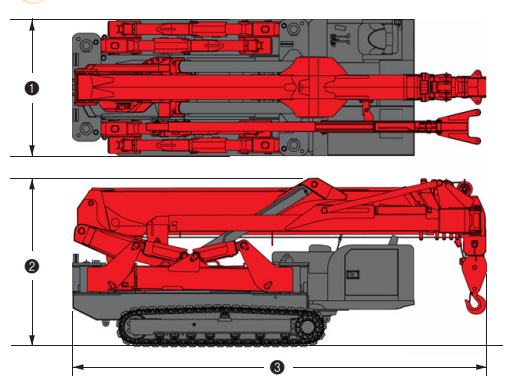
## Pick & Carry



## OUTRIGGER POSITIONS



## DIMENSIONS



## CRAWLING GEAR

Crane model	UR-W1006C2
Crawling speed [with electric power unit]	0~2.6 km/h, forward / backward [50Hz] 0~1.3 km/h [60Hz] 0~1.5 km/h
Hill climbing ability	23°
Tread length	2515mm
Ground contact pressure [with electric power unit]	67.3 kPa [0.69 kgf/cm <sup>2</sup> ] 68.2 kPa [0.70 kgf/cm <sup>2</sup> ]
Engine manufacturer / model	Yanmar / 4TNV88
Displacement	2189cc
Maximum output	29.80kW(40.5PS) / 2500 rpm, Continuous rated output
Fuel	Diesel
Fuel tank capacity	75 liters
Steering	Hydraulic drive independent of left / right
Starter	Starter motor

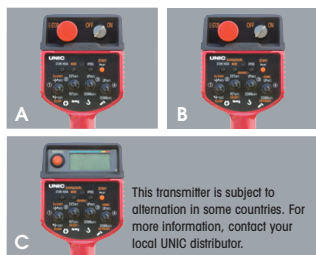
Crane model	UR-W1006C2
① Total width	2000mm
② Total height	2460mm
③ Total length	6060mm
Mass of crane	13800kg [14000kg] [with electric power unit]

## Electric power unit specifications

Rated power	11.0kW (3-phase 4 poles)
Voltage	AC 400/400-440V (50Hz / 60Hz) 3 phase 4P

\*Not included any cables.

# Standard equipments and Options

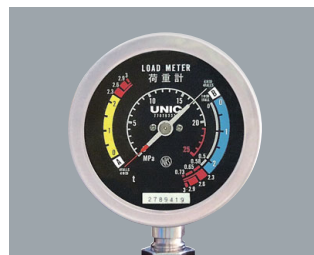


1 Radio remote control

A W094C, W295C  
B W376C, W546C, W547C, W706C  
C W1006C



2 Cable remote control



3 Load meter



4 Digital load meter

Load indication is each 20kg (0.02t).

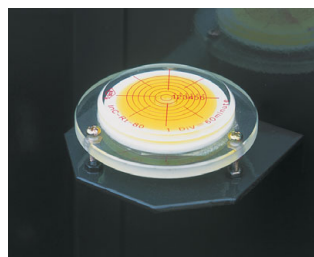


9 Automatic stop for leaving minimum wire rope



10 Emergency stop button

A W094C, W295C  
B W376C, W546C, W547C, W706C, W1006C



11 Level



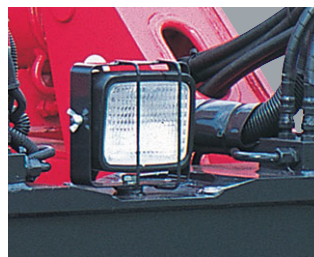
12 Turn over prevention device



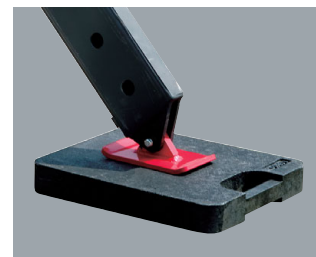
17 Single line hook



18 Working light



19 Headlight



20 Outrigger mats

STANDARD EQUIPMENTS / OPTION [★ Standard ● Option — Not available]

Crane model	UR-W094C	UR-W295C		UR-W295C1		UR-W376C2	
	UR-W094CP2E	UR-W295CP2A	UR-W295CP2AM	UR-W295C1A	UR-W295C1AM	UR-W376C2A	UR-W376C2AM
Engine manufacturer / model	Mitsubishi / GB300LE	Mitsubishi / GB400LE	Mitsubishi / GB400LE	Kubota / Z482-E3B	Kubota / Z482-E3B	Yanmar / 3TNV76	Yanmar / 3TNV76
Fuel	Petrol	Petrol	Petrol	Diesel	Diesel	Diesel	Diesel
Electric motor	—	—	AC 200V or 400V	—	AC 200V or 400V	—	AC 200V or 400V
1 Radio remote control	★	★	★	★	★	★	★
2 Cable remote control	●	●	●	●	●	●	●
3 Load meter	★	★	★	★	★	—	—
4 Digital load meter	—	●	●	●	●	★	★
5 Automatic stop for overloading (KM-100)	—	●	●	●	●	★	★
6 Automatic stop for overloading (ML-300)	—	—	—	—	—	—	—
7 Safe load indicator	—	—	—	—	—	—	—
8 Automatic stop for overwinding	★	★	★	★	★	★	★
9 Automatic stop for leaving minimum wire rope	★	★	★	★	★	★	★
10 Emergency stop button	★	★	★	★	★	★	★
11 Level	★	★	★	★	★	★	★
12 Turn over prevention device	—	★	★	★	★	●	●
13 Three colored lamp	—	●	●	●	●	★	★
14 Boom outrigger monitor lamp	—	—	—	—	—	★	★
15 Searcher hook assembly	—	●	●	●	●	●	●
16 Fly jib assembly	—	●	●	●	●	●	●
17 Single line hook	—	●	●	●	●	—	—
18 Working light	●	●	●	●	●	●	●
19 Headlight	—	—	—	—	—	★	★
20 Outrigger mats	●	●	●	●	●	●	●
21 Black crawler belt	★	★	★	★	★	★	★
22 White crawler belt	●	●	●	●	●	●	●
23 White crawler belt (as spare)	●	●	●	●	●	●	●
24 Rubber Pad	—	—	—	—	—	—	—
25 20M cable for motor (200V)	—	—	●	—	●	—	●
26 20M cable for motor (400V)	—	—	●	—	●	—	●



# UNIC MINI-CRAWLER CRANE



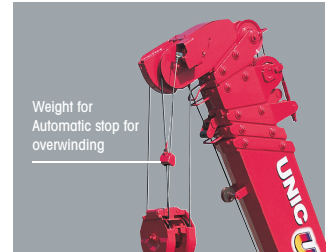
**5** Automatic stop for overloading  
KM-100 W376C, W546C, W547C



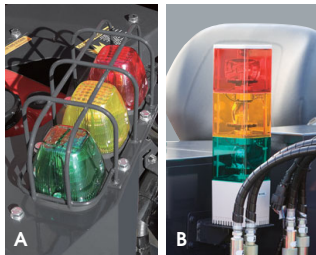
**6** Automatic stop for overloading  
ML-300 W706C



**7** Safe load indicator



**8** Automatic stop for overwinding



**13** Three colored lamp  
A W295C  
B W376C, W546C, W547C, W706C, W1006C



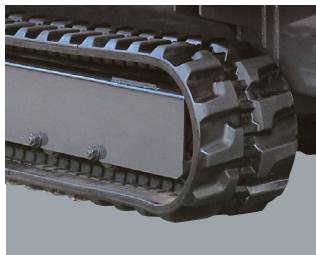
**14** Boom outrigger monitor lamp



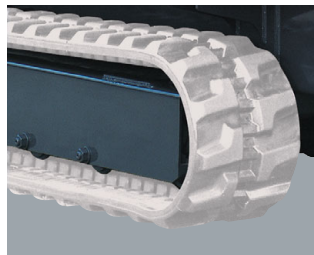
**15** Searcher hook assembly



**16** Fly jib assembly

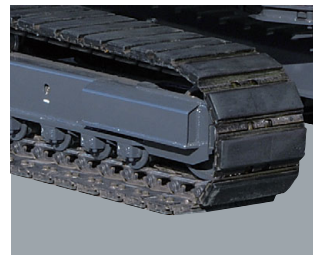


**21** Black crawler belt



**22** White crawler belt

**23** White crawler belt (as spare)



**24** Rubber Pad



**25** 20M cable for motor (200V)

**26** 20M cable for motor (400V)

UR-W546C2		UR-W547C2		UR-W706C2		UR-W1006C2		Crane model
UR-W546C2A	UR-W546C2AM	UR-W547C2A	UR-W547C2AM	UR-W706C2A	UR-W706C2AM	UR-W1006C2A	UR-W1006C2AM	Engine manufacturer / model
Yanmar / 3TNV76	Yanmar / 3TNV76	Yanmar / 3TNV76	Yanmar / 3TNV76	Mitsubishi / S4L2	Mitsubishi / S4L2	Yanmar / 4TNV88	Yanmar / 4TNV88	Fuel
Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Electric motor
—	AC 200V or 400V	—	AC 200V or 400V	—	AC 200V or 400V	—	AC 400/400-440V	Radio remote control
★	★	★	★	★	★	★	★	Cable remote control
●	●	●	●	●	●	—	—	Load meter
—	—	—	—	—	—	—	—	Digital load meter
★	★	★	★	★	★	★	★	Automatic stop for overloading (KM-100)
★	★	★	★	—	—	—	—	Automatic stop for overloading (ML-300)
—	—	—	—	★	★	—	—	Safe load indicator
★	★	★	★	—	—	★	★	Automatic stop for overwinding
★	★	★	★	★	★	★	★	Automatic stop for leaving minimum wire rope
★	★	★	★	★	★	★	★	Emergency stop button
★	★	★	★	★	★	★	★	Level
—	—	—	—	—	—	—	—	Turn over prevention device
★	★	★	★	★	★	★	★	Three colored lamp
★	★	★	★	★	★	★	★	Boom outrigger monitor lamp
●	●	●	●	—	—	—	—	Searcher hook assembly
●	●	—	—	●	●	★	★	Fly jib assembly
—	—	—	—	—	—	—	—	Single line hook
●	●	●	●	●	●	—	—	Working light
★	★	★	★	★	★	★	★	Headlight
●	●	●	●	●	●	—	—	Outrigger mats
★	★	★	★	★	★	—	—	Black crawler belt
—	—	—	—	—	—	—	—	White crawler belt
—	—	—	—	—	—	—	—	White crawler belt (as spare)
—	—	—	—	—	—	★	★	Rubber Pad
—	●	—	●	—	●	—	—	20M cable for motor (200V)
—	●	—	●	—	●	—	—	20M cable for motor (400V)



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