

UR-800E Series
truck-mounted
UNIC cranes

UR-800E series [8,200kg lifting×1.8m (14.7t-m)] boast a hefty lifting power. They range from our compact 3-section boom to our wide-radius 5-section boom, with its 17.4m lift capability and 15.6m operating radius (UR-805E). As well, our UR-800E series horizontal outrigger gives you an extremely wide operating radius, and its wide stance ensures greater stability and operator confidence. All UNIC cranes are designed to provide operating and energy efficiency. Options include Radio remote control, features. Three types of truck-mounted UNIC cranes are available to support your operations.



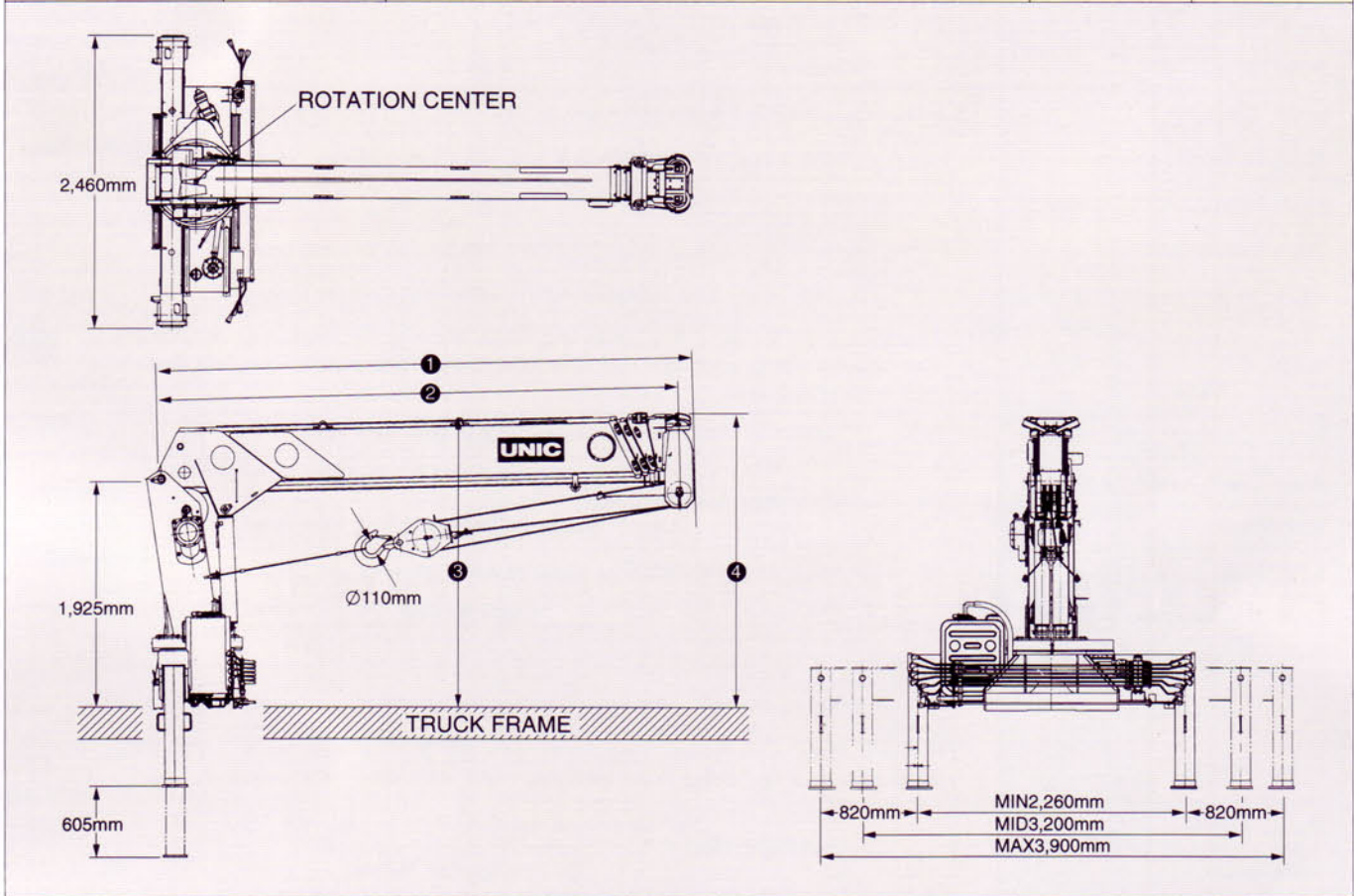
Capacity
14.7 t-m
8,200kg at 1.8m

Wide horizontal extension
3,900mm



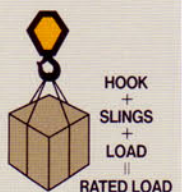
CRANE MOUNTING DIMENSIONS (Unit: millimeter)

Crane Model	①	②	③	④
UR-805E Type	4,525	MIN 4,400—MID 7,300—10,200—MAX 15,900	(2,424)	(2,458)
UR-804E Type	4,425	MIN 4,300—MID 7,200—10,000—MAX 12,800	(2,346)	(2,373)
UR-803E Type	4,325	MIN 4,200—MID 6,900—MAX 9,500	(2,346)	(2,345)



NOTE

- 1) Rated loads shown in the chart are based on the crane strength with the outriggers fully extended on a firm level ground and on the actual working radius including the deflection of boom.
- 2) The weights of hook (70kg), slings, and any accessories attached to the boom or loadline must be deducted from the above capacities in the chart.
- 3) Capacities shown must reduce in accordance with vehicle weight and loaded condition of truck, crane mounting position, and operating speed.
- 4) The figures in relation to the speed are on the basis of no-load running at rated oil flow condition.
- 5) In accordance with our policy of constant product improvement, all specifications are subject to change without notice or obligations.



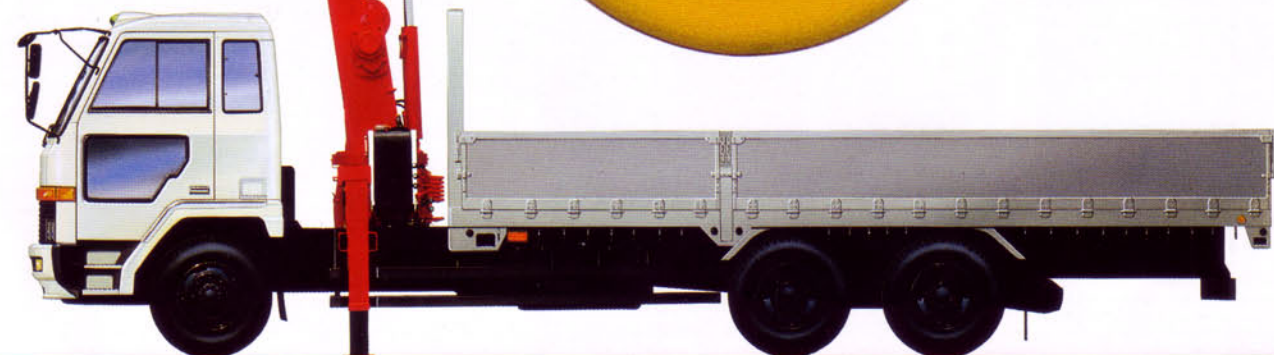
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Truck Mounted Hydraulic
Telescopic Boom Cranes
Model UR-800E Series

UNIC

Powerful & Strong!
8,200kg lift capacity.
UNIC Crane's UR-800E Series



FURUKAWA UNIC CORPORATION

UNIC cranes: Truck-mounted wire rope straight boom cranes.

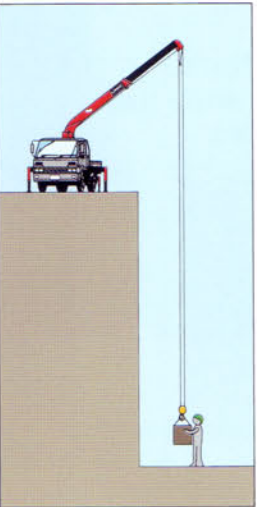
Effective in precise high-lift placement.

Truck-mounted UNIC cranes perform lifting, loading, cargo placement and other operations. They have a variety of important functions and offer the following key features.

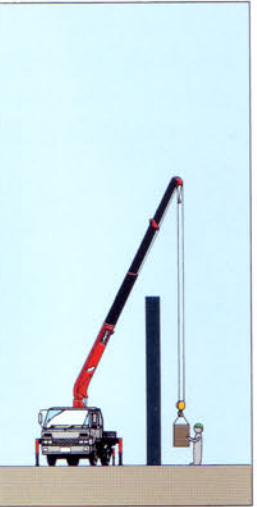
- 1) Straight boom cranes extend and retract straight in and out, ensuring speed, accuracy, and safety in lifting operations.
- 2) Wire rope cranes ensure facile movement of cargo to high or low places and display impressive strength even in operations requiring lifting over walls.
- 3) Since wire rope cranes permit unrestricted raising and lowering in tight situations, they ensure the accurate movement of cargo in deep-hole jobs.



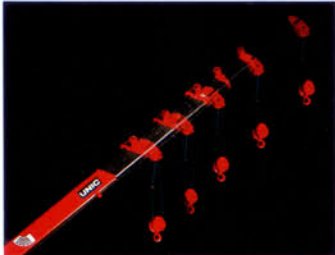
Buildings, walls, whatever, with UNIC wire-rope cranes you get precise high-lift placement and safe, sure operation. Their dependability is all in their strength and design, original UNIC features.



Higher performance, too, at lower depths. UNIC wire-rope cranes handle heavy loads in deep-hole jobs with accuracy and stability. A wide range of models assures versatile matching to job requirements.



Tight places are the right places for UNIC wire-rope cranes. In any operating situation their strong steel cables mean extra dependability and safety. High, low, or tight, UNIC wire-rope cranes are always right.



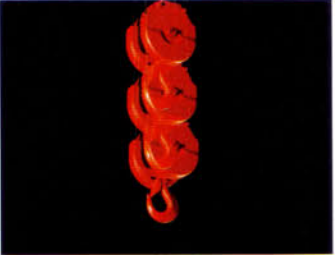
Boom extension/retraction
Three types of cranes: from 3-section to 5-section. All are easily extended and retracted by lever linked to a powerful oil-pressure system and a large-diameter telescylinder.



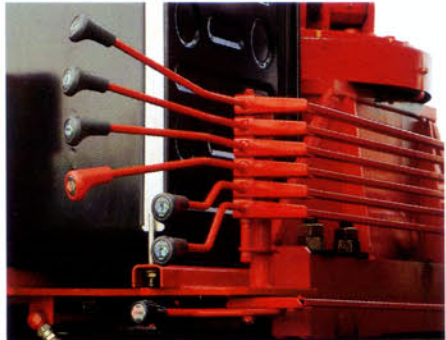
Crane swing
Swing mechanism's ball-bearing-supported turntable smoothes rated-load operation. Swivel joint ensures uninterrupted rotation.



Boom raising
Long-stroke cylinder has wide derricking range and large capacity for smooth derricking.



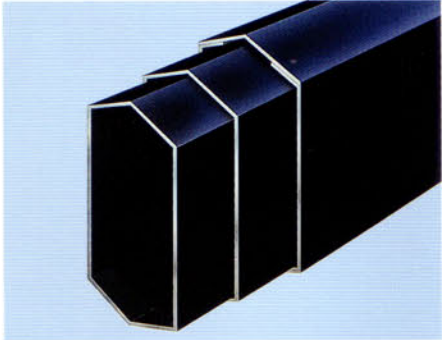
Winch drum and hook
Oversized winchdrum handles extremely long cables. Hook is designed to match crane capacity. Wider nylon sling easily accepted.



Easy-to-use vertical control levers
Nothing else is the easy in crane operation. Controls are in a vertical row, with the boom lowering and raising lever on top. Next down is the hook hoisting and lowering lever, then the boom extension and retraction lever, the crane slewing lever, and the accelerator lever. All very logical.








Super-strong double derrick cylinder
With this powerful cylinder the UR-800E series can lift heavy objects and provide smooth boom raising and lowering across a 1°~80° range. It's yet another outstanding UNIC feature designed to give you more strength and efficiency.






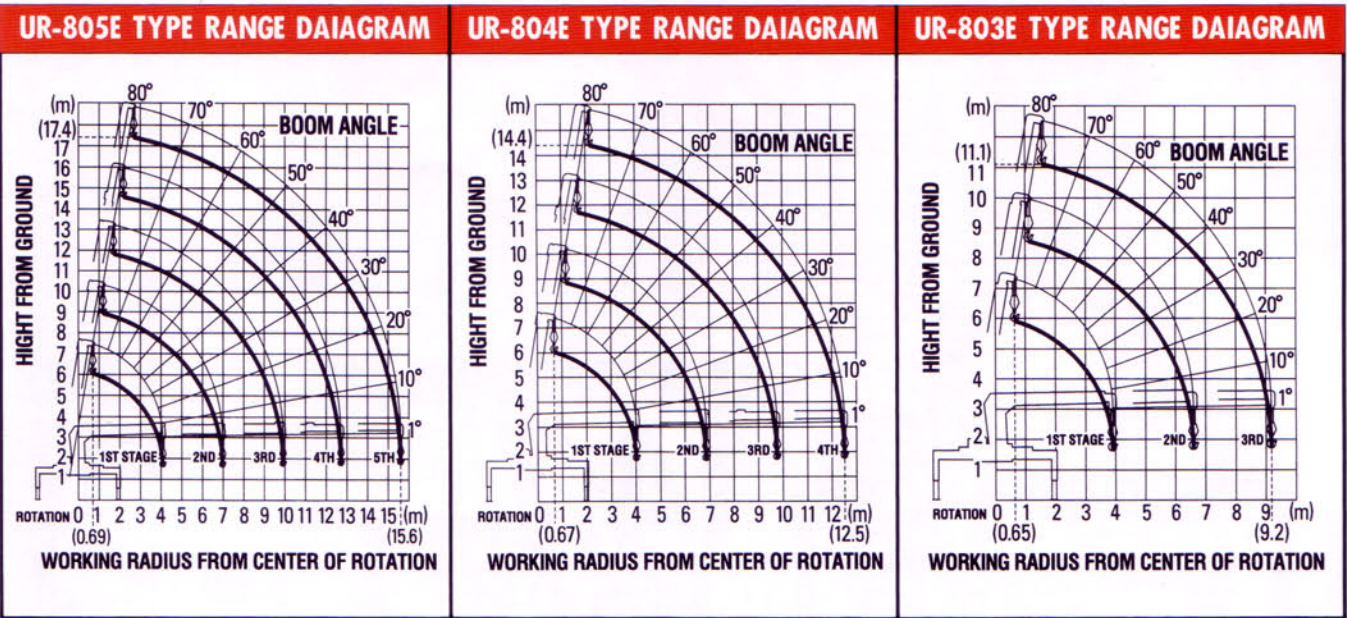
Hexagonal boom ensures superior stability
UNIC cranes have a unique hexagonal boom with a six-sided crosssectional profile — a big advantage in actual operations. Six sides, rather than four, ensure much less side sway and structural strength. More stability, more strength, more reliability.

Crane Model		UR-805E	UR-804E	UR-803E
Capacity		8,200 kg at 1.8 m	8,200 kg at 1.8 m	8,200 kg at 1.8 m
Working Radius		0.69 m to 15.6 m	0.67 m to 12.5 m	0.65 m to 9.2 m
Hook Height above ground level (Approx)		Max. 17.4 m	Max. 14.4 m	Max. 11.1 m
Boom length		Min. 4.4 m to Max. 15.9 m	Min. 4.3 m to Max. 12.9 m	Min. 4.2 m to Max. 9.5 m
Boom Telescopic Speed		11.5 m/35 sec	8.5 m/26 sec	5.3 m/20 sec
Boom Section		5 Section	4 Section	3 Section
Boom Structure		6 Sided (Hexagonal) Box Beam with Angle Indicator and Anti-Two-Block Boom is Full Hydraulic Powered		
Boom Telescopic Cylinder		Double Acting type with Counterbalance Valve		
Boom Raising Angle/Speed		1° to 80°/15 sec		
Boom Raising Cylinder		Double Acting type with Counterbalance Valve		
Boom Travel Position		Forward over the Cab/Rear over the Body		
Winch		Oversized Drum for extra long cables and hoists. Winch Hook Designed to match the crane capacity. Can be used with Nylon Slings. Hydraulic Axial Plunger Type Motor, Spur Gear Reduction, with Automatic Brake.		
Single Line Pull		1,640 kg		
Winch Speed (Single Line)		64.0 m/Minute at 4th Layer		
Hook speed		12.8 m/Minute at 4th Layer 5 Part Hook Block		
Hook Block		8,200 kg Capacity with 2 Sheaves and Latch		
Wire Rope	Construction	6×Fi(29) IWRC	6×Fi(29) IWRC	6×Fi(29) IWRC
	Diameter and Length	10 mm×111 m	10 mm×93 m	10 mm×78 m
	Breaking Strength	8,000 kg	8,000 kg	8,000 kg
Swing (Slewing)		Hydraulic Motor Axial Plunger Type Driven, on a Ball Bearing Race. Worm and Spur Gear Reduction, Worm Self-Locking Holding Brake.		
Swing Rotation		360° Continuous Rotation (Right or Left) Non Stop		
Swing Speed		2.5 Revolutions/Minute		
Outriggers		Vertical Box Type Jacks with Horizontal Box Type Beams		
Vertical Jacks		Double Acting Hydraulic Cylinders with Pilot Operated Check Valves		
Horizontal Box Beams		Manual Extension Type		
Outrigger Span		Retracted: 2.26 m Mid-Extended: 3.2 m Extended:3.9 m		
Operators Stations: Dual Controls Curb & Street Side		<ul style="list-style-type: none">● Two Levers Boom-Up and Down● Two Levers Boom-In and Out● Two Levers Winch-Up and Down● Two Levers 360° Swing Right and Left● Two Levers for Outrigger Movements● Two Levers for Engine RPM Control● Two Warning Horn Buttons (Optional)		
Hydraulic System		Open Type		
Control Valves: Spring Centered Spool Type with Pressure Relief Valve		<ul style="list-style-type: none">● Pressure Relief Valve Setting: 200 kg/cm²● Return Filtration: 10 Micron Replaceable Type● Recommended Pump Pressure: 200 kg/cm²● Recommended Hydraulic Oil: ISO VG46 for Temps Above 32F/ISO VG32 for Temps Below 32F● Oil Tank: 90 ℓ Capacity● Strainer: 100 Wire Mesh● Recommended Pump Delivery: 80 ℓ/Minute● Recommended Pump Revolution: 1,600 rpm		
Safety Devices		<ul style="list-style-type: none">● Pressure Relief Valve for Hydraulic Circuit● Counterbalance Valves for Boom Raising and Boom Telescoping Cylinders● Pilot-operated Check Valves for Vertical Outrigger Cylinders● Boom Angle Indicator● Hook Safety Latch● Automatic Mechanical Brake for Winch● Overwinding Alarm		

UR-805E TYPE RATED LOADS																				
BOOM RADIUS (meter)	0.73—1.8	2.4	2.8	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	15.6	
 ALL BOOMS RETRACTED (kg)	8,200	6,000	5,000	4,600	4,000	3,450(4.1m)														
 SECOND STAGE EXTENDED (kg)		6,000	5,000	4,600	4,000	3,500	3,150	2,800	2,200	1,500										
 THIRD STAGE EXTENDED (kg)							3,000	2,700	2,200	1,600	1,350	1,050	800(9.9m)							
 FOURTH STAGE EXTENDED (kg)								2,600	2,000	1,650	1,350	1,150	950	800	600	500(12.7m)				
 FIFTH STAGE EXTENDED (kg)										2,000	1,650	1,400	1,150	950	800	700	600	500	400	350

UR-804E TYPE RATED LOADS																
BOOM RADIUS (meter)	0.67~1.8	2.4	2.8	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	12.5
ALL BOOMS RETRACTED (kg)	8,200	6,000	5,000	4,600	4,000	3,500										
SECOND STAGE EXTENDED (kg)		6,000	5,000	4,600	4,000	3,500	3,150	2,800	2,200	1,550(6.9m)						
THIRD STAGE EXTENDED (kg)							3,000	2,700	2,200	1,650	1,350	1,100	900(9.7m)			
FOURTH STAGE EXTENDED (kg)								2,600	2,000	1,700	1,400	1,150	1,000	850	700	600

UR-803E TYPE RATED LOADS													
BOOM RADIUS (meter)	0.64～1.8	2.4	2.8	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	9.2
 ALL BOOMS RETRACTED (kg)	8,200	6,000	5,000	4,600	4,000	3,600(3.9m)							
 SECOND STAGE EXTENDED (kg)		6,000	5,000	4,600	4,000	3,500	3,150	2,800	2,200	1,750(6.6m)			
 THIRD STAGE EXTENDED (kg)							3,000	2,700	2,200	1,700	1,400	1,050	1,000



NOTE: Boom Deflection Not Shown.