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Some of the Photo may include optional equipment.

HYUNDAI CONSTRUCTION EQUIPMENT **Material Handler**

R290LC-7A / R320LC-7 / R320LC-7A / R360LC-7A
R450LC-7 / R450LC-7A / R500LC-7 / R500LC-7A / R800LC-7A
R140W-7 / R140W-7A / R200W-7 / R200W-7A



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PLEASE CONTACT

Built for Maximum Power, Performance, Reliability.

A new chapter in construction equipment has now begun.
Making the dream a reality.

● Features

- High strength, low alloy steel yields maximum strength to weight ratio
- Large diameter pins and wide joints absorb the strain of big loads
- A large selection of grapples and clamshell buckets

Specifications _ Robex 290LC-7A

ENGINE

Model	Cummins QSB 6.7		
Type	Watercooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, Turbocharged, Charger air cooled, Low emission		
Rated flywheel horse power			
SAE	J1995 (gross)	HP(kW)/rpm	227 (169) / 1,900
	J1349 (net)		197 (147) / 1,900
DIN	627 1/1 (gross)	PS(kW)/rpm	230 (169) / 1,900
	627 1/1 (net)		200 (147) / 1,900
Max. torque	kgf.m(lbf.ft)/rpm	96.8 (700) / 1,500	
Bore X stroke	mm (in)	107 (4.2) x 124(4.9)	
Piston displacement	cc (in ³)	6,700 (409)	
Batteries	2 X 12V X 160AH		
Starting motor	24V, 4.5kw		
Alternator	24V, 50A		

HYDRAULIC SYSTEM

Main pump	
Type	Two variable displacement piston pumps
Max. flow	2 X 252 l/min (68.7 US gpm / 57.2 UK gpm)
Sub-pump for pilot circuit	Gear pump
Cross-sensing and fuel saving pump system	
Hydraulic motors	
Travel	Two speed axial piston motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake
Relief valve setting	
Implement circuits	330 kgf/cm ² (4,690 psi)
Travel	360 kgf/cm ² (4,765 psi)
Power boost (boom, arm, bucket)	360 kgf/cm ² (5,120 psi)
Swing circuit	265 kgf/cm ² (3,770 psi)
Pilot circuit	35 kgf/cm ² (498 psi)
Service valve	Installed
Hydraulic cylinders	
No. of cylinder-bore x stroke	Boom : 2-140 X 1,465 mm (5.5" X 57.7") Arm : 1-150 X 1,775 mm (5.9" X 69.1")

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	27,300 kgf (60,200 lbf)
Max. travel speed(high) / (low)	5.2 km/hr (3.2 mph) / 3.1 km/hr (1.9 mph)
Gradeability	35°(70 %)
Parking brake	Multi wet disc

CONTROL

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket(ISO)
Traveling and steering	Two levers with pedals
Engine throttle	Electric, Dial type
External Lights	Two lights mounted on the boom one under the battery box

SWING SYSTEM

Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	10.2 rpm

COOLANT & LUBRICANT CAPACITY

(Refilling)	liter	US gal	UK gal
Fuel tank	480	126.8	105.6
Engine coolant	50.0	13.2	11.0
Engine oil	24	6.3	5.3
Swing device(each)	11.0	1.8	1.5
Final drive(each)	5.5	2.9	2.4
Hydraulic system(including tank)	320	84.5	70.4
Hydraulic tank	210.0	55.5	46.2

UNDERCARRIAGE

X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing spring and sprocket, assembled track chain with triple grouser shoes.

Description	R290LC-7A
Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	48
No. of carrier roller on each side	2
No. of track roller on each side	9
No. of track guard on each side	2

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 7,800mm (25' 7") boom, 5,400mm (17' 9") arm, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

Major component weight	
Upperstructure (1.5m cabin riser)	7,950kg (17,530lb)
Counterweight	7,300kg (16,090lb)
Two-piece front	4,450kg (9,810lb)

Operating weight			
Shoes	Width mm(in)	Operating weight kg(lb)	Ground pressure kgf/cm ² (psi)
Triple grouser	600 (24)	31,720 (69,930)	0.61 (8.67)
	700 (28)	32,300 (71,710)	0.53 (7.54)
	800 (32)	32,880 (72,490)	0.47 (6.68)
	900 (36)	33,460 (73,770)	0.43 (6.11)
Double grouser	710 (28)	32,890 (72,510)	0.53 (7.54)

Specifications _ Robex 320LC-7 / 7A

ENGINE

Model	R320LC-7	R320LC-7A		
	Cummins C8.3-C	Cummins QSC		
Type	Watercooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, Turbocharged, Charger air cooled, Low emission			
Rated flywheel horse power				
SAE	J1995 (gross)	HP(kW)/rpm	259 (193) / 1,750	258 (193) / 1,750
	J1349 (net)		232 (173) / 1,750	237 (177) / 1,750
DIN	627 1/1 (gross)	PS(kW)/rpm	263 (193) / 1,750	262 (193) / 1,750
	627 1/1 (net)		235 (173) / 1,750	240 (177) / 1,750
Max. torque	kgf.m(lbf.ft)/rpm	124.3 (899) / 1,300		114.8 (830) / 1,500
Bore X stroke	mm (in)	114 (4.5) X 135 (5.3)		114 (4.5) X 135 (5.3)
Piston displacement	cc (in ³)	8,300 (506)		8,300 (506)
Batteries	2 X 12V X 160AH		2 X 12V X 160AH	
Starting motor	24V, 7.2kw		24V, 7.2kw	
Alternator	24V, 50A		24V, 50A	

HYDRAULIC SYSTEM

Main pump	
Type	Two variable displacement piston pumps
Max. flow	2X260 l/min (76.6 US gpm / 63.8 UK gpm)
Sub-pump for pilot circuit	Gear pump
Cross-sensing and fuel saving pump system	
Hydraulic motors	
Travel	Two speed axial piston motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake
Relief valve setting	
Implement circuits	330 kgf/cm ² (4,690 psi)
Travel	360 kgf/cm ² (4,765 psi)
Power boost (boom, arm, bucket)	360 kgf/cm ² (5,120 psi)
Swing circuit	265 kgf/cm ² (3,700 psi)
Pilot circuit	35 kgf/cm ² (500 psi)
Service valve	Installed
Hydraulic cylinders	
No. of cylinder-bore x stroke	Boom : 2-150 X 1,480 mm (5.9" X 58.3") Arm : 1-150 X 1,755 mm (5.9" X 69.1")

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	31,000 kgf (68,350 lbf)
Max. travel speed(high) / (low)	5.3 km/hr (3.3 mph) / 3.1 km/hr (1.9 mph)
Gradeability	35°(70 %)
Parking brake	Multi wet disc

CONTROL

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket(ISO)
Traveling and steering	Two levers with pedals
Engine throttle	Electric, Dial type
External Lights	Two lights mounted on the boom one under the battery box

SWING SYSTEM

Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	9.1 rpm

COOLANT & LUBRICANT CAPACITY

(Refilling)	liter	US gal	UK gal
Fuel tank	520	137.4	114.4
Engine coolant	45.0	11.9	9.9
Engine oil	25.5 / *35	6.7 / *9.2	5.6 / *7.7
Swing device(each)	8.0	1.6	1.3
Final drive(each)	7.0	1.8	1.5
Hydraulic system(including tank)	380	100.4	83.6
Hydraulic tank	230	60.8	50.6

* R320LC-7A

UNDERCARRIAGE

X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing spring and sprocket, assembled track chain with triple grouser shoes.

Description	R320LC-7 / 7A
Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	51
No. of carrier roller on each side	2
No. of track roller on each side	9
No. of track guard on each side	2

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 7,800mm (25' 7") boom, 6,050mm (19' 10") arm, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

Major component weight	
Upperstructure (1.5m cabin riser)	8,670kg (19,110lb)
Counterweight	7,700kg (16,980lb)
Two-piece front	4,600kg (10,140lb)

Operating weight			
Shoes	Width mm(in)	Operating weight kg(lb)	Ground pressure kgf/cm ² (psi)
Triple grouser	600 (24)	33,210 (73,210)	0.64 (9.10)
	700 (28)	33,810 (74,540)	0.56 (7.96)
	800 (32)	34,210 (75,420)	0.49 (6.97)
	900 (36)	34,610 (76,300)	0.44 (6.26)
Double grouser	710 (28)	34,690 (76,480)	0.56 (7.96)

Specifications _ Robex 360LC-7A

ENGINE

Model	Cummins QSL		
Type	Watercooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, Turbocharged, Charger air cooled, Low emission		
Rated flywheel horse power			
SAE	J1995 (gross)	HP(kW)/rpm	296 (221) / 1,850
	J1349 (net)		271 (202) / 1,850
DIN	627 1/1 (gross)	PS(kW)/rpm	300 (221) / 1,850
	627 1/1 (net)		275 (202) / 1,850
Max. torque	kgf.m(lbf.ft)/rpm	148.0 (1,070) / 1,400	
Bore X stroke	mm (in)	114 (4.5) x 145 (5.7)	
Piston displacement	cc (in ³)	8,900 (540)	
Batteries	2 X 12V X 160AH		
Starting motor	24V, 7.2kw		
Alternator	24V, 50A		

HYDRAULIC SYSTEM

Main pump	
Type	Two variable displacement piston pumps
Max. flow	2X288 l/min (76.6 US gpm / 63.8 UK gpm)
Sub-pump for pilot circuit	Gear pump
Cross-sensing and fuel saving pump system	
Hydraulic motors	
Travel	Two speed axial piston motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake
Relief valve setting	
Implement circuits	330 kgf/cm ² (4,690 psi)
Travel	360 kgf/cm ² (4,765 psi)
Power boost (boom, arm, bucket)	360 kgf/cm ² (5,120 psi)
Swing circuit	260 kgf/cm ² (3,700 psi)
Pilot circuit	35 kgf/cm ² (500 psi)
Service valve	Installed
Hydraulic cylinders	
No. of cylinder-bore x stroke	Boom : 2-160 X 1,500 mm (6.3" X 59.1") Arm : 1-150 X 1,755 mm (5.9" X 69.1")

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	31,000 kgf (68,3500 lbf)
Max. travel speed(high) / (low)	4.8 km/hr (3.0 mph) / 3.0 km/hr (1.9 mph)
Gradeability	35°(70 %)
Parking brake	Multi wet disc

CONTROL

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket(ISO)
Traveling and steering	Two levers with pedals
Engine throttle	Electric, Dial type
External Lights	Two lights mounted on the boom one under the battery box

SWING SYSTEM

Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	9.0 rpm

COOLANT & LUBRICANT CAPACITY

(Refilling)	liter	US gal	UK gal
Fuel tank	520	137.4	114.4
Engine coolant	45.0	11.9	9.9
Engine oil	33.5	8.8	7.4
Swing device(each)	8.0	1.6	1.3
Final drive(each)	7.0	1.8	1.5
Hydraulic system(including tank)	380	100.4	83.6
Hydraulic tank	230	60.8	50.6

UNDERCARRIAGE

X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing spring and sprocket, assembled track chain with triple grouser shoes.

Description	R360LC-7A
Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	51
No. of carrier roller on each side	2
No. of track roller on each side	9
No. of track guard on each side	2

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 8,600mm (28' 3") boom, 6,050mm (19' 10") arm, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

Major component weight	
Upperstructure (2.0m cabin riser)	9,240kg (20,370lb)
Counterweight	8,935kg (19,700lb)
Two-piece front	5,030kg (11,090lb)

Operating weight			
Shoes	Width mm(in)	Operating weight kg(lb)	Ground pressure kgf/cm ² (psi)
Type	600 (24)	37,960 (83,690)	0.68 (9.67)
	700 (28)	38,360 (84,570)	0.59 (8.39)
	750 (30)	38,585 (85,060)	0.55 (7.82)
Triple grouser	800 (32)	38,810 (85,560)	0.52 (7.39)
	900 (36)	39,260 (86,550)	0.47 (6.68)
	600 (24)	38,230 (84,280)	0.68 (9.67)
Double grouser	700 (28)	38,730 (85,380)	0.59 (8.39)

Specifications _ Robex 450LC-7 / 7A

ENGINE

Model	R450LC-7	R450LC-7A		
	Cummins QSM11-C	Cummins QSM11		
Type	Watercooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, Turbocharged, Charger air cooled, Low emission			
Rated flywheel horse power				
SAE	J1995 (gross)	HP(kW)/rpm	353 (263) / 1,900	357 (266) / 1,900
	J1349 (net)		320 (239) / 1,900	320 (239) / 1,900
DIN	627 1/1 (gross)	PS(kW)/rpm	358 (263) / 1,900	362 (266) / 1,900
	627 1/1 (net)		325 (239) / 1,900	325 (239) / 1,900
Max. torque	kgf.m(lbf.ft)/rpm	182.5 (1,320) / 1,300		170.6 (1,234) / 1,400
Bore X stroke	mm (in)	125 (4.92) X 147(5.79)		125 (4.92) X 147(5.79)
Piston displacement	cc (in ³)	10,800 (659)		10,800 (659)
Batteries	2 X 12V X 200AH		2 X 12V X 200AH	
Starting motor	24V, 7.2kw		24V, 7.2kw	
Alternator	24V, 50A		24V, 50A	

HYDRAULIC SYSTEM

Main pump	
Type	Two variable displacement piston pumps
Max. flow	2X380 l/min (100.4 US gpm / 83.6 UK gpm)
Sub-pump for pilot circuit	Gear pump
Cross-sensing and fuel saving pump system	
Hydraulic motors	
Travel	Two speed axial piston motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake
Relief valve setting	
Implement circuits	330 kgf/cm ² (4,690 psi)
Travel	345 kgf/cm ² (4,910 psi)
Power boost (boom, arm, bucket)	360 kgf/cm ² (5,120 psi)
Swing circuit	285 kgf/cm ² (3,770 psi)
Pilot circuit	35 kgf/cm ² (500 psi)
Service valve	Installed
Hydraulic cylinders	
No. of cylinder-bore x stroke	Boom : 2-170 X 1,570 mm (6.7" X 61.8") Arm : 1-180 X 1,820 mm (7.1" X 71.7")

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	37,200 kgf (82,000 lbf)
Max. travel speed(high) / (low)	5.3 km/hr (3.3 mph) / 3.2 km/hr (2.0 mph)
Gradeability	35°(70 %)
Parking brake	Multi wet disc

CONTROL

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket(ISO)
Traveling and steering	Two levers with pedals
Engine throttle	Electric, Dial type
External Lights	Two lights mounted on the boom one under the battery box

SWING SYSTEM

Swing motor	Axial piston motor	
Swing reduction	Planetary gear reduction	
Swing bearing lubrication	Grease-bathed	
Swing brake	Multi wet disc	
Swing speed	10.3 rpm	9.0 rpm

COOLANT & LUBRICANT CAPACITY

(Refilling)	liter	US gal	UK gal
Fuel tank	610	161.2	134.2
Engine coolant	50.0	13.2	11.0
Engine oil	37.9	10.0	8.3
Swing device(each)	5.0	1.3	1.1
Final drive(each)	5.0	1.3	1.1
Hydraulic system(including tank)	380	100.4	83.6
Hydraulic tank	250	66.1	55.0

UNDERCARRIAGE

X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing spring and sprocket, assembled track chain with triple grouser shoes.

Description	R450LC-7 / 7A
Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	53
No. of carrier roller on each side	2
No. of track roller on each side	9
No. of track guard on each side	2

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 10,000mm (32' 10") boom, 7,100mm (23' 4") arm, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

Major component weight	
Upperstructure (2.0m cabin riser)	11,010kg (24,270lb)
Counterweight	12,700kg (28,000lb)
Two-piece front	6,240kg (13,760lb)

Operating weight			
Shoes	Width mm(in)	Operating weight kg(lb)	Ground pressure kgf/cm ² (psi)
Type	600 (24)	48,200 (106,260)	0.83 (11.80)
	700 (28)	48,700 (107,360)	0.72 (10.24)
	750 (30)	49,000 (108,030)	0.68 (9.67)
Triple grouser	800 (32)	49,300 (108,690)	0.64 (9.10)
	900 (36)	49,800 (109,790)	0.57 (8.11)
	600 (24)	48,200 (106,260)	0.83 (11.80)
Double grouser	700 (28)	48,700 (107,360)	0.72 (10.24)

Specifications _ Robex 500LC-7 / 7A

ENGINE

Model	R500LC-7	R500LC-7A	
	Cummins QSM11-C	Cummins QSM11	
Type	Watercooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, Turbocharged, Charger air cooled, Low emission		
Rated flywheel horse power			
SAE	J1995 (gross)	353 (263) / 1,900	357 (266) / 1,900
	J1349 (net)	320 (239) / 1,900	320 (239) / 1,900
DIN	627 1/1 (gross)	358 (263) / 1,900	362 (266) / 1,900
	627 1/1 (net)	325 (239) / 1,900	325 (239) / 1,900
Max. torque	kgf.m(lbf.ft)/rpm	182.5 (1,320) / 1,300	170.6 (1,234) / 1,400
Bore X stroke	mm (in)	125 (4.92) X 147(5.79)	125 (4.92) X 147(5.79)
Piston displacement	cc (in ³)	10,800 (659)	10,800 (659)
Batteries		2 X 12V X 200AH	2 X 12V X 200AH
Starting motor		24V, 7.2kw	24V, 7.2kw
Alternator		24V, 50A	24V, 50A

HYDRAULIC SYSTEM

Main pump	
Type	Two variable displacement piston pumps
Max. flow	2X380 l/min (100.4 US gpm / 83.6 UK gpm)
Sub-pump for pilot circuit	Gear pump
Cross-sensing and fuel saving pump system	
Hydraulic motors	
Travel	Two speed axial piston motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake
Relief valve setting	
Implement circuits	330 kgf/cm ² (4,690 psi)
Travel	345 kgf/cm ² (4,910 psi)
Power boost (boom, arm, bucket)	360 kgf/cm ² (5,120 psi)
Swing circuit	285 kgf/cm ² (3,770 psi)
Pilot circuit	35 kgf/cm ² (500 psi)
Service valve	Installed
Hydraulic cylinders	
No. of cylinder-bore x stroke	Boom : 2-170 X 1,570 mm (6.7" X 61.8") Arm : 1-180 X 1,820 mm (7.1" X 71.7")

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	38,500 kgf (82,000 lbf)
Max. travel speed(high) / (low)	5.2 km/hr (3.3 mph) / 3.3 km/hr (2.0 mph)
Gradeability	35°(70 %)
Parking brake	Multi wet disc

CONTROL

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket(ISO)
Traveling and steering	Two levers with pedals
Engine throttle	Electric, Dial type
External Lights	Two lights mounted on the boom one under the battery box

SWING SYSTEM

Swing motor	Axial piston motor	
Swing reduction	Planetary gear reduction	
Swing bearing lubrication	Grease-bathed	
Swing brake	Multi wet disc	
Swing speed	10.0 rpm	9.0 rpm

COOLANT & LUBRICANT CAPACITY

(Refilling)	liter	US gal	UK gal
Fuel tank	610	161.2	134.2
Engine coolant	50.0	13.2	11.0
Engine oil	37.9	10.0	8.3
Swing device(each)	5.0	1.3	1.1
Final drive(each)	5.0	1.3	1.1
Hydraulic system(including tank)	380	100.4	83.6
Hydraulic tank	250	66.1	55.0

UNDERCARRIAGE

X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing spring and sprocket, assembled track chain with triple grouser shoes.

Description	R500LC-7 / 7A
Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	53
No. of carrier roller on each side	3
No. of track roller on each side	9
No. of track guard on each side	2

OPERATING WEIGHT (APPROXIMATE)

Operating weight, 10,000mm (32' 10") boom, 7,100mm (23' 4") arm lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

Major component weight	
Upperstructure (2.0m cabin riser)	11,510kg (25,380lb)
Counterweight	13,200kg (29,100lb)
Two-piece front	6,240kg (13,760lb)

Operating weight			
Shoes	Width mm(in)	Operating weight kg(lb)	Ground pressure kgf/cm ² (psi)
Triple grouser	600 (24)	51,080 (112,610)	0.88 (12.51)
	700 (28)	51,620 (113,800)	0.76 (10.81)
	750 (30)	51,870 (114,350)	0.72 (10.24)
Double grouser	800 (32)	52,130 (114,930)	0.68 (9.67)
	600 (24)	51,080 (112,610)	0.88 (12.51)
	700 (28)	51,620 (113,800)	0.76 (10.81)

Specifications _ Robex 800LC-7A

ENGINE

Model	Cummins QSX15		
Type	Watercooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, Turbocharged, Charger air cooled, Low emission		
Rated flywheel horse power			
SAE	J1995 (gross)	HP(kW)/rpm	510 (380) / 1,800
	J1349 (net)		490 (366) / 1,800
DIN	627 1/1 (gross)	PS(kW)/rpm	517 (380) / 1,800
	627 1/1 (net)		497 (366) / 1,800
Max. torque	kgf.m(lbf.ft)/rpm	241.1 (1,744) / 1,400	
Bore X stroke	mm (in)	137 (5.39) X 169(6.65)	
Piston displacement	cc (in ³)	15,000 (915)	
Batteries		4 X 12V X 200AH	
Starting motor		24V, 9.0kw	
Alternator		24V, 100Amp	

HYDRAULIC SYSTEM

Main pump	
Type	Variable displacement tandem axis piston pumps
Max. flow	2X540 l/min (133.1 US gpm / 110.9 UK gpm)
Sub-pump for pilot circuit	Gear pump
Cross-sensing and fuel saving pump system	
Hydraulic motors	
Travel	Two speed axial piston motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake
Relief valve setting	
Implement circuits	330 kgf/cm ² (4,690 psi)
Travel	350 kgf/cm ² (4,980 psi)
Power boost (boom, arm, bucket)	360 kgf/cm ² (5,120 psi)
Swing circuit	260 kgf/cm ² (3,700 psi)
Pilot circuit	40 kgf/cm ² (569 psi)
Service valve	Installed
Hydraulic cylinders	
No. of cylinder-bore x stroke	Boom : 2-200 X 1,892 mm (7.9" X 74.5") Arm : 1-215 X 2,250 mm (8.5" X 88.6") Bucket(A) : 1-200 X 1,593 mm (7.9" X 62.7") Bucket(B) : 1-215 X 1,593 mm (8.5" X 62.7")

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	59,300 kgf (130,730 lbf)
Max. travel speed(high) / (low)	4 km/hr (2.5 mph) / 32.6 km/hr (1.6 mph)
Gradeability	35°(70 %)
Parking brake	Multi wet disc

CONTROL

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket(ISO)
Traveling and steering	Two levers with pedals
Engine throttle	Electric, Dial type
External Lights	Two lights mounted on the boom one under the battery box

SWING SYSTEM

Swing motor	Axial piston motor	
Swing reduction	Planetary gear reduction	
Swing bearing lubrication	Grease-bathed	
Swing brake	Multi wet disc	
Swing speed	6.3 rpm	

COOLANT & LUBRICANT CAPACITY

(Refilling)	liter	US gal	UK gal
Fuel tank	940	248	206
Engine coolant	59	15.6	13
Engine oil	43.5	11.5	9.5
Swing device(each)	6.0	1.6	1.3
Final drive(each)	25	6.6	5.5
Hydraulic system(including tank)	800	211	175.6
Hydraulic tank	450	119	99

UNDERCARRIAGE

X-leg type center frame is integrally welded with reinforced box-section track frames. The design includes dry tracks, lubricated rollers, idlers, sprockets, hydraulic track adjusters with shock absorbing springs and assembled track-type tractor shoes with triple grousers.

Description	R800LC-7A
Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	51
No. of carrier roller on each side	3
No. of track roller on each side	9
No. of track guard on each side	2

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 11,500mm (37' 9") boom, 7,600mm (24' 11") arm, SAE heaped 4.53 m³ (5.93 yd³) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

Major component weight	
Upperstructure (cabin tilting)	26,800kg (59,080lb)
Counterweight	14,500kg (31,970lb)
Three-Piece Front (without base boom)	8,200kg (18,080lb)

Operating weight			
Shoes	Width mm(in)	Operating weight kg(lb)	Ground pressure kgf/cm ² (psi)
Double grouser	700 (28")	85,820(189,200)	1.11(15.78)
	800 (32")	86,560(190,830)	0.98(13.94)
	900 (35")	87,290(192,440)	0.88(12.51)

Specifications _ Robex 140W-7 / 7A

ENGINE

Model	R140W-7	R140W-7A
	Cummins B3.9-C	Mitsubishi D04FD-TAA

Type Water cooled, 4 cycle diesel, 4-cylinders in line direct injection, turbocharged, charge air cooled low emission

Rated flywheel horse power			
SAE	J1995 (gross)	HP(kW)/rpm	113 (84) / 2,100
	J1349 (net)		105 (78) / 2,100
DIN	627 1/1 (gross)	PS(kW)/rpm	115 (84) / 2,100
	627 1/1 (net)		106 (78) / 2,000
Max. torque	kgf.m(lbf.ft)/rpm		45.6 (330) / 1,500
Bore X stroke	mm (in)		102 (4.02) X 120 (4.72)
Piston displacement	cc (in ³)		3,900 (238) 4,249 (259.3)
Batteries			2 X 12V X 100AH 2 X 12V X 100AH
Starting motor			24V, 4.5kw 24V, 5.0kw
Alternator			24V, 50A 24V, 50A

HYDRAULIC SYSTEM

Main pump	
Type	Two variable displacement piston pumps
Max. flow	2 X 130 l/min (34.3 US gpm / 28.6 UK gpm)
Sub-pump for pilot circuit	Gear pump

Cross-sensing and fuel saving pump system

Hydraulic motors	
Travel	Two speed axial piston motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake
Relief valve setting	
Implement circuits	330 kgf/cm ² (4,690 psi)
Travel	330 kgf/cm ² (4,690 psi)
Power boost (boom, arm, bucket)	360 kgf/cm ² (5,120 psi)
Swing circuit	240 kgf/cm ² (3,410 psi)
Pilot circuit	40 kgf/cm ² (570 psi)
Service valve	Installed

Hydraulic cylinders	
No. of cylinder-bore x stroke	Boom : 2-105 X 1,075 mm (4.1" X 42.3") Arm : 1-125 X 1,450 mm (4.9" X 57.1")

DRIVES & BRAKES

4-wheel hydrostatic drive. Constant mesh, helical gear transmission provides 2 forward and reverse travel speeds.

Max. drawbar pull	8500 kgf (18740 lbf)
Travel speed	1st forward / reverse 8.0 / 5.0 km/hr (5.0 / 3.1 mph)
	2nd forward / reverse 31 / 18.7 km/hr (19.2 / 11.6 mph)
Gradeability	35° (70%)

Parking brake : Independent dual brake, front and rear axle full hydraulic power brake.
 · Spring released and hydraulic applied wet type multiple disk brake.
 · Transmission is locked at neutral position for parking, automatically.

CONTROL

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket(ISO)
Engine throttle	Electric, Dial type
External Lights	Two lights mounted on the boom, one under the battery box and one under the cabin

AXLE & WHEEL

Full floating front axle is supported by center pin for oscillation. It can be locked by oscillation lock cylinders. Rear axle is fixed on the lower chassis.

Tires : 9.00-20-14PR, Dual(tube type), Option : 9.00-20, Dual(solid type)

SWING SYSTEM

Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake(option)	Multi wet disc(pin lock type)
Swing speed	14.5 rpm 12.4 rpm

STEERING SYSTEM

Hydraulically actuated, orbitrol type steering system actuates on front wheels through the steering cylinders.

Min. turning radius : 6,300 mm(20' 8")

COOLANT & LUBRICANT CAPACITY

(Refilling)	liter	US gal	UK gal
Fuel tank	270.0	71.3	59.4
Engine coolant	24.0	6.3	5.3
Engine oil	15.3 / *17.5	4.0 / *4.6	3.4 / *3.8
Swing device(each)	2.5	0.7	0.55
Axle	(Front)	10.2	2.7
	(Rear)	10.8	2.9
Hydraulic system(including tank)	210.0	55.5	46.2
Hydraulic tank	124.0	32.8	27.3

* R140W-7A

UNDERCARRIAGE

Reinforced box-section frame is all-welded, low-stress. Dozer blade and outriggers are available. A pin-on design.

Dozer blade	A very useful addition for leveling and back filling or clean-up work.
Outrigger	Indicated for max. operation stability when digging and lifting. Can be mounted on the front/or the rear.

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 5,400mm (17' 9") boom, 3,700mm (12' 2") arm, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

Major component weight	
Upperstructure (2.0m cabin riser)	6,040kg (13,320lb)
Counterweight	2,900kg (6,390lb)
Two-piece front	1,900kg (4,190lb)

Operating weight	15,410kg (33,970lb)
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Specifications _ Robex 200W-7 / 7A

ENGINE

Model	R200W-7	R200W-7A
	Cummins B5.9-C	Cummins QSB6.7

Type Water cooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, turbocharged, charge air cooled and low emission

Rated flywheel horse power			
SAE	J1995 (gross)	HP(kW)/rpm	166 (124) / 1,950
	J1349 (net)		153 (114) / 1,950
DIN	627 1/1 (gross)	PS(kW)/rpm	168 (124) / 1,950
	627 1/1 (net)		155 (114) / 1,950
Max. torque	kgf.m(lbf.ft)/rpm		68.4 (495) / 1,500
Bore X stroke	mm (in)		102 (4.0) X 120 (4.7)
Piston displacement	cc (in ³)		5,880 (359) 6,700 (409)
Batteries			2 X 12V X 100AH
Starting motor			24 V, 4.5 kW 24 V, 4.5 kW
Alternator			24V, 50A 24V, 50A

HYDRAULIC SYSTEM

Main pump	
Type	Two variable displacement piston pumps
Max. flow	R200W-7 2 X 220 l/min (58.1 US gpm / 48.4 UK gpm) R200W-7A 2 X 222 l/min (58.6 US gpm / 48.8 UK gpm)
Sub-pump for pilot circuit	Gear pump

Cross-sensing and fuel saving pump system

Hydraulic motors	
Travel	Two speed axial piston motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake
Relief valve setting	
Implement circuits	330 kgf/cm ² (4,690 psi)
Travel	360 kgf/cm ² (5,120 psi)
Power boost (boom, arm, bucket)	360 kgf/cm ² (5,120 psi)
Swing circuit	240 kgf/cm ² (3,410 psi)
Pilot circuit	40 kgf/cm ² (570 psi)
Service valve	Installed

Hydraulic cylinders	
No. of cylinder-bore x stroke	Boom : 2-120 X 1,290 mm (4.7" X 50.8") Arm : 1-140 X 1,705 mm (5.5" X 67.1")

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, bent axis design
Max. drawbar pull	10,800 kgf (23,800 lbf)
Max. travel speed(high) / (low)	33 km/hr (20.5 mph) / 8.5 km/hr (5.3 mph)
Gradeability	31.5° (61 %)
Parking brake	Multi wet disc

CONTROL

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket(ISO)
Engine throttle	Electric, Dial type
External Lights	Two lights mounted on the boom, one under the battery box and one under the cabin

AXLE & WHEEL

Full floating front axle is supported by center pin for oscillation. It can be locked by oscillation lock cylinders. Rear axle is fixed on the lower chassis.

Rear axle is fixed on the lower chassis

Tires : 10.00-20-14PR, Dual (tube type), Option : 10.00-20, Dual (solid type)

SWING SYSTEM

Swing motor	Axial piston motor
Swing reduction	2-Stage planetary
Swing bearing lubrication	Grease-bathed
Swing brake(option)	Multi wet disc(pin lock type)
Swing speed	12.5 rpm 11 rpm

STEERING SYSTEM

Hydraulically actuated, orbitrol type steering system actuates on front wheels through the steering cylinders.

Min. turning radius : 7,200 mm (23' 7")

COOLANT & LUBRICANT CAPACITY

(Refilling)	liter	US gal	UK gal
Fuel tank	310.0	81.9	68.2
Engine coolant	35.0	9.2	7.7
Engine oil	14.2 / * 24	3.8 / * 6.3	3.1 / * 5.3
Swing device(each)	5	1.3	1.1
Axle	(Front)	16.0	4.2
	(Rear)	16.0	4.2
Hydraulic system(including tank)	270.0	71.3	59.4
Hydraulic tank	180.0	47.6	39.6
Transmission	3.8	1.0	0.8

* R200W-7A

UNDERCARRIAGE

Reinforced box-section frame is all-welded, low-stress. Dozer blade and outriggers are available. A pin-on design.

Dozer blade	A very useful addition for leveling and back filling or clean-up work.
Outrigger	Indicated for max. operation stability when digging and lifting. Can be mounted on the front/or the rear.

OPERATING WEIGHT (APPROXIMATE)

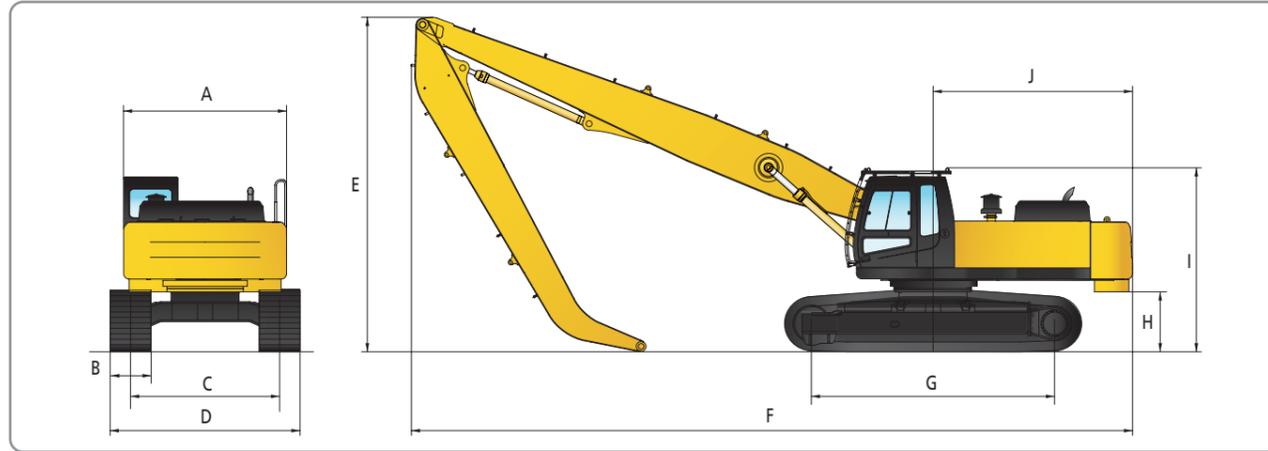
Operating weight, including 6,500mm (21' 4") boom, 4,500mm (14' 9") arm, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

Major component weight	
Upperstructure (2.0m cabin riser)	6,730kg (14,840lb)
Counterweight	5,000kg (11,020lb)
Two-piece front	2,990kg (6,590lb)

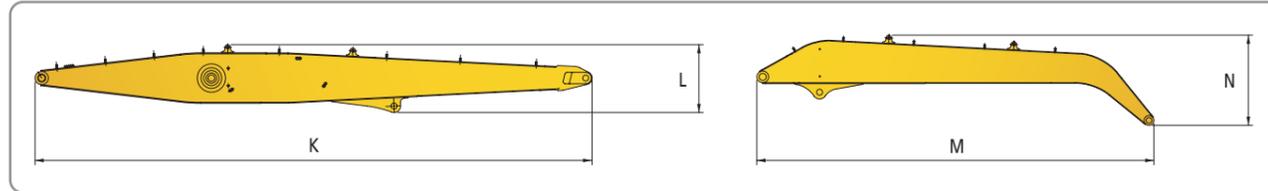
Operating weight	22,540kg (49,690lb)
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Dimensions & Working ranges

DIMENSIONS (CRAWLER / TWO PIECE)



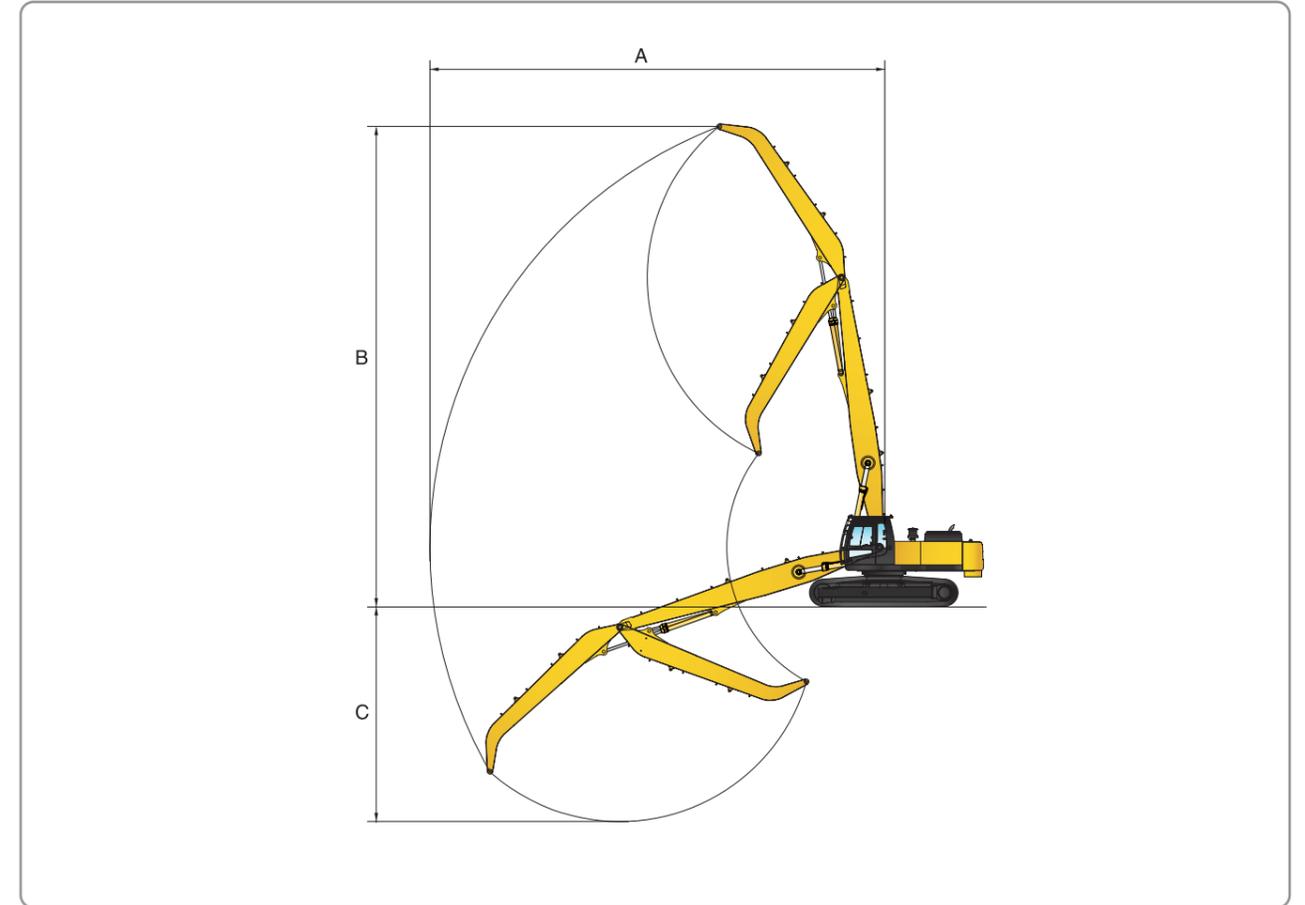
Boom & Arm



	R290LC-7A	R320LC-7 / R320LC-7A	R360LC-7A	R450LC-7 / R450LC-7A	R500LC-7 / R500LC-7A	R800LC-7A	
A	2,980 (9'9")	2,980 (9'9")	2,980 (9'9")	2,980 (9'9")	2,980 (9'9")	3,420 (11'3")	
B	600 (24")	600 (24")	600 (24")	600 (24")	600 (24")	700 (28")	
C	2,600 (8'6")	2,680 (8'10")	2,740 (9'0")	2,740 (9'0")	2,940 Extended (9'8") 2,380 Retracted (7'10")	3,590 Extended (11'9") 2,780 Retracted (9'1")	
D	3,200 (10'6")	3,280 (10'9")	3,340 (10'11")	3,490 (11'5")	3,540 Extended (11'7") 2,990 Retracted (9'9")	4,290 Extended (14'1") 3,480 Retracted (11'5")	
E	3,920 (12'10")	4,960 (16'3")	4,810 (15'9")	6,140 (20'2")	6,390 (20'12")	6,410 (21'0")	
F	10,990 (36'1")	10,880 (35'8")	11,890 (39'0")	13,250 (43'6")	13,280 (43'7")	15,405 (50'6")	
G	4,030 (13'3")	4,030 (13'3")	4,340 (14'3")	4,470 (14'8")	4,470 (14'8")	5,030 (16'6")	
H	990 (3'3")	990 (3'3")	1,060 (3'6")	1,100 (3'7")	1,260 (4'2")	1,570 (5'2")	
I	3,230 (10'7")	3,260 (10'8")	3,330 (10'11")	3,380 (11'1")	3,520 (11'7")	3,580 (11'9")	
J	3,120 (10'3")	3,265 (10'9")	3,350 (10'12")	3,665 (12'0")	3,665 (12'0")	4,315 (14'2")	
Boom	K	8,030 (26'4")	8,030 (26'4")	8,830 (28'12")	10,240 (33'7")	10,240 (33'7")	11,743 (38'6")
	L	1,070 (3'6")	1,070 (3'6")	1,080 (3'7")	1,250 (4'1")	1,250 (4'1")	1,345 (4'5")
	Width	700 (2'4")	700 (2'4")	900 (2'11")	1,000 (3'3")	1,000 (3'3")	1,380 (4'6")
Arm	M	5,580 (18'4")	6,230 (20'5")	6,230 (20'5")	7,300 (23'11")	7,300 (23'11")	7,800 (25'7")
	N	1,620 (5'4")	1,600 (5'3")	1,630 (5'4")	1,660 (5'5")	1,660 (5'5")	1,690 (5'7")
	Width	400 (1'4")	400 (1'4")	400 (1'4")	500 (1'8")	500 (1'8")	600 (1'12")

mm(ft · in)

WORKING RANGES (CRAWLER / TWO PIECE)

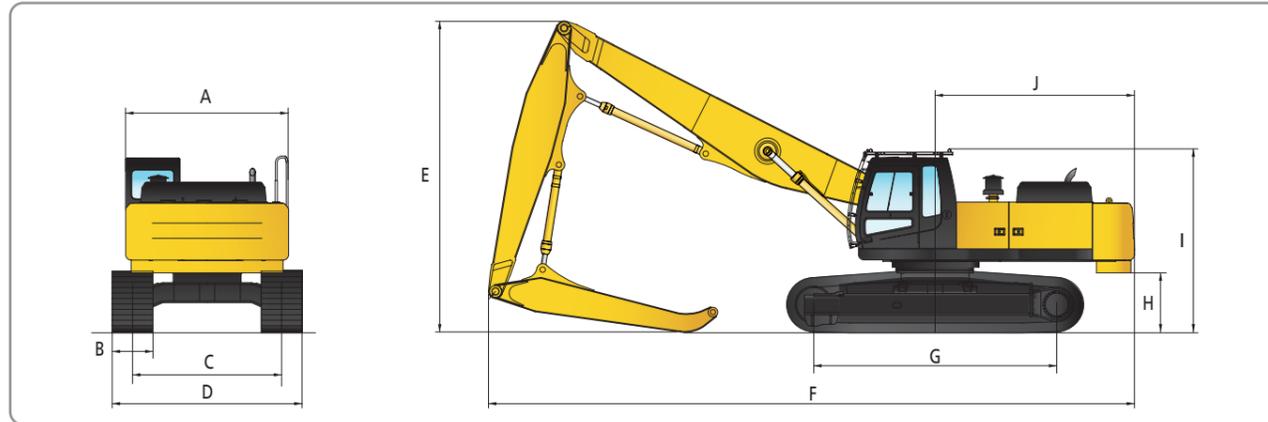


	R290LC-7A	R320LC-7 / R320LC-7A	R360LC-7A	R450LC-7 / R450LC-7A	R500LC-7 / R500LC-7A	R800LC-7A
Boom Length	7,800 (25'7")	7,800 (25'7")	8,600 (28'3")	10,000 (32'10")	10,000 (32'10")	11,500 (37'9")
Arm Length	5,400 (17'9")	6,050 (19'10")	6,050 (19'10")	7,100 (23'4")	7,100 (23'4")	7,600 (24'11")
A (Maximum Reach)	13,020 (42'9")	13,680 (44'11")	14,360 (47'1")	16,720 (54'10")	16,700 (54'9")	19,077 (62'7")
B (Maximum Height)	14,340 (47'1")	15,030 (49'4")	15,810 (51'10")	17,600 (57'9")	17,650 (57'11")	20,871 (68'6")
C (Maximum Depth)	6,410 (21'0")	6,420 (21'1")	6,730 (22'1")	7,940 (26'1")	7,740 (25'5")	7,590 (24'11")

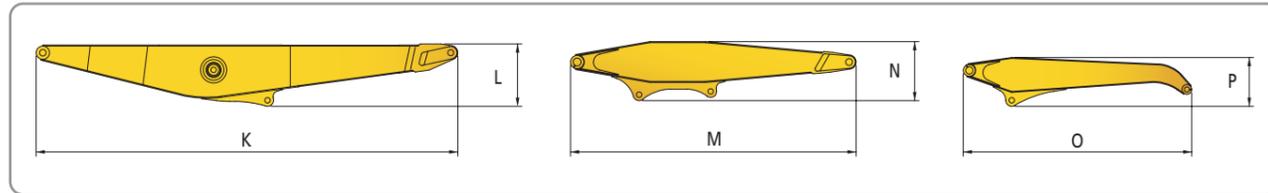
mm(ft · in)

Dimensions & Working ranges

DIMENSIONS (CRAWLER / THREE PIECE)

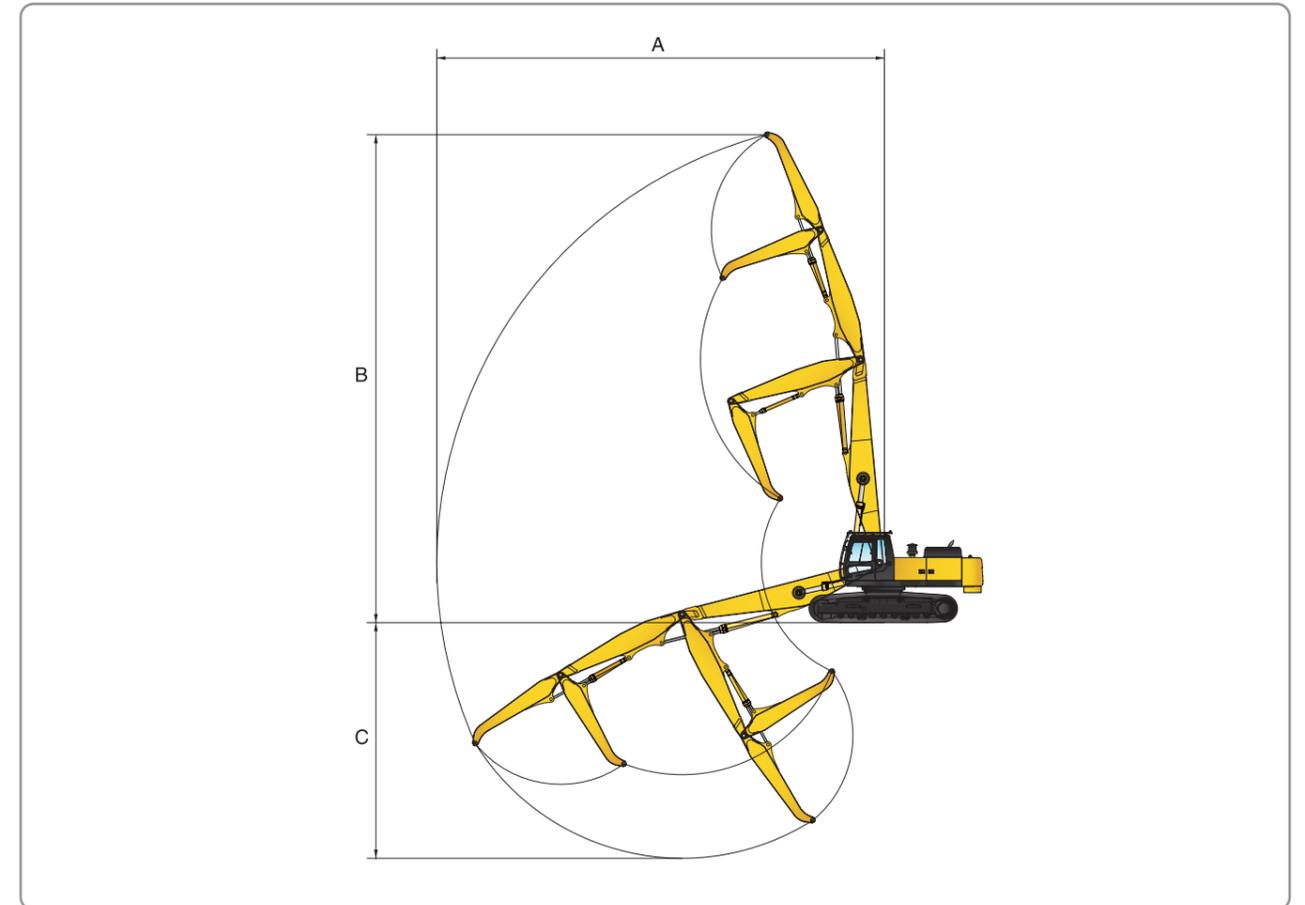


Boom & Middle Arm & End Arm



	R290LC-7A	R320LC-7 / R320LC-7A	R360LC-7A	R450LC-7 / R450LC-7A	R500LC-7 / R500LC-7A	R800LC-7A	
A	2,980 (9'9")	2,980 (9'9")	2,980 (9'9")	2,980 (9'9")	2,980 (9'9")	3,420 (11'3")	
B	600 (24")	600 (24")	600 (24")	600 (24")	600 (24")	700 (28")	
C	2,600 (8'6")	2,680 (8'10")	2,740 (9'0")	2,740 (9'0")	2,940 Extended (9'8") 2,380 Retracted (7'10")	3,590 Extended (11'9") 2,780 Retracted (9'1")	
D	3,200 (10'6")	3,280 (10'9")	3,340 (10'11")	3,490 (11'5")	3,540 Extended (11'7") 2,990 Retracted (9'9")	4,290 Extended (14'1") 3,480 Retracted (11'5")	
E	4,460 (14'8")	4,440 (14'7")	4,540 (14'11")	5,710 (18'9")	5,960 (19'7")	7,250 (23'9")	
F	9,770 (32'1")	9,950 (32'8")	10,540 (34'7")	11,880 (38'12")	11,910 (39'1")	14,760 (48'5")	
G	4,030 (32'1")	4,030 (32'1")	4,340 (14'3")	4,470 (14'8")	4,470 (14'8")	5,030 (16'6")	
H	990 (3'3")	990 (3'3")	1,060 (3'6")	1,100 (3'7")	1,260 (4'2")	1,570 (5'2")	
I	3,230 (10'7")	3,260 (10'8")	3,330 (10'11")	3,380 (11'1")	3,520 (11'7")	3,830 (12'7")	
J	3,120 (10'9")	3,265 (10'9")	3,350 (11'0")	3,665 (12'0")	3,665 (12'0")	4,200 (13'9")	
Boom	K	6,530 (21'5")	6,530 (21'5")	6,830 (22'5")	7,750 (25'5")	9,900 (32'6")	
	L	940 (3'1")	940 (3'1")	960 (3'2")	1,150 (3'9")	1,140 (3'9")	
	Width	600 (1'12")	800 (2'7")	900 (2'11")	900 (2'11")	900 (2'11")	1,340 (4'5")
Middle Arm	M	4,200 (13'9")	4,200 (13'9")	4,510 (14'10")	5,250 (17'3")	5,250 (17'3")	6,390 (20'12")
	N	900 (2'11")	900 (2'11")	930 (3'1")	1,090 (3'7")	1,090 (3'7")	1,130 (3'8")
	Width	500 (1'8")	500 (1'8")	600 (1'12")	600 (1'12")	600 (1'12")	800 (2'7")
End Arm	O	3,160 (10'4")	3,160 (10'4")	3,470 (11'5")	4,200 (13'9")	4,200 (13'9")	4,800 (15'9")
	P	770 (2'6")	770 (2'6")	790 (2'7")	900 (2'11")	900 (2'11")	1,000 (3'3")
	Width	400 (1'4")	400 (1'4")	400 (1'4")	400 (1'4")	400 (1'4")	600 (1'12")

WORKING RANGES (CRAWLER / THREE PIECE)

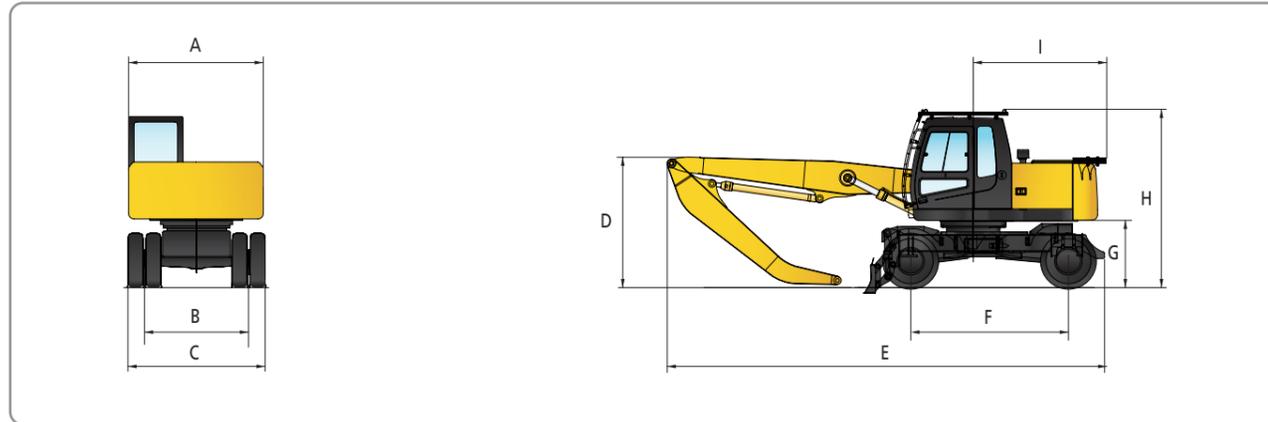


	R290LC-7A	R320LC-7 / R320LC-7A	R360LC-7A	R450LC-7 / R450LC-7A	R500LC-7 / R500LC-7A	R800LC-7A
Boom Length	6,300 (20'8")	6,300 (20'8")	8,600 (28'3")	7,500 (24'7")	7,500 (24'7")	9,500 (31'2")
Arm Length	4,000 (13'1")	4,000 (13'1")	4,300 (14'1")	5,000 (16'5")	5,000 (16'5")	6,000 (19'8")
End Arm	3,000 (9'10")	3,000 (9'10")	3,300 (10'10")	4,000 (13'1")	4,000 (13'1")	4,500 (14'9")
A (Maximum Reach)	13,260 (43'6")	13,260 (43'6")	14,140 (46'5")	16,460 (54'0")	16,440 (53'11")	19,930 (65'5")
B (Maximum Height)	14,670 (48'2")	14,670 (48'2")	15,520 (50'11")	17,890 (58'8")	17,940 (58'10")	21,980 (72'1")
C (Maximum Depth)	7,360 (24'2")	7,360 (24'2")	7,830 (25'8")	8,700 (28'7")	8,500 (27'11")	9,175 (30'1")

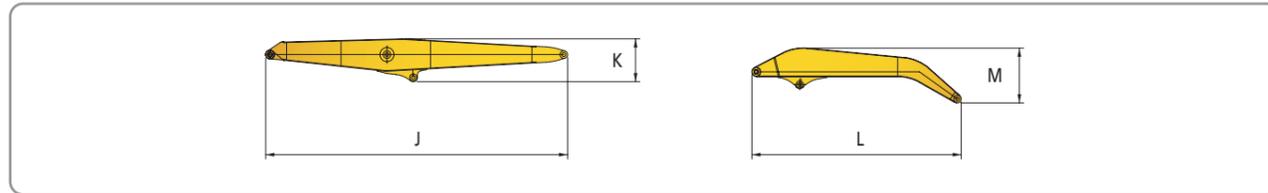
mm(ft·in)

Dimensions & Working ranges

DIMENSIONS (WHEEL / TWO PIECE)



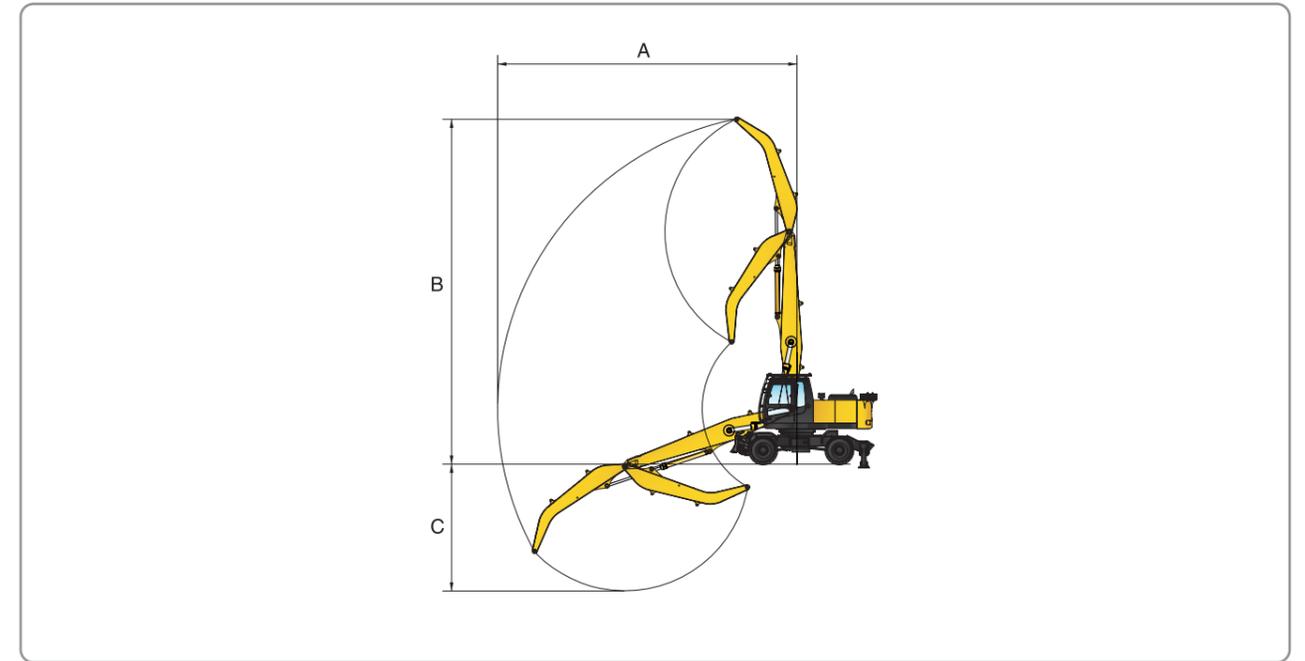
Boom & Arm



	R140W-7 / R140W-7A	R200W-7 / R200W-7A
A	2,475 (8'1")	2,530 (8'4")
B	1,929 (6'4")	1,874 (6'2")
C	2,500 (8'2")	2,490 (8'2")
D	2,400 (7'410")	3,010 (9'11")
E	8,040 (26'5")	9,650 (31'8")
F	2,600 (8'6")	2,800 (9'2")
G	1,240 (4'1")	1,305 (4'3")
H	3,280 (10'9")	3,340 (10'11")
I	2,560 (8'5")	2,930 (9'7")
Boom	J	5,550 (18'3")
	K	790 (2'47")
	Width	600 (1'12")
Arm	L	3,850 (12'8")
	M	1,010 (3'4")
	Width	400 (1'4")

mm(ft·in)

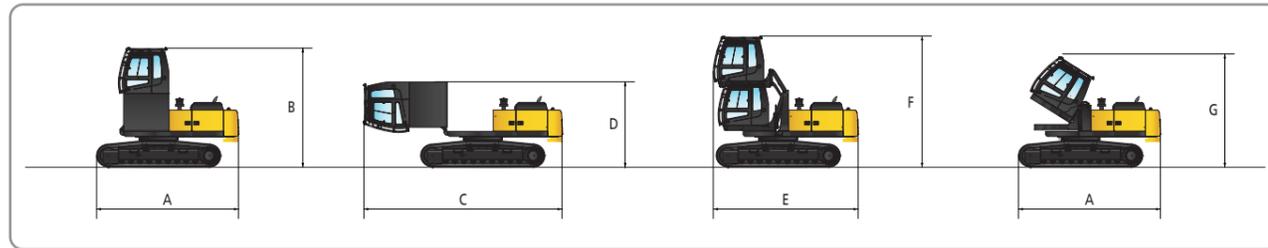
WORKING RANGES (WHEEL / TWO PIECE)



	R140W-7 / R140W-7A	R200W-7 / R200W-7A
Boom Length	5,400 (17'9")	6,500 (21'4")
Arm Length	3,700 (12'2")	4,500 (14'9")
A (Maximum Reach)	9,060 (29'9")	11,000 (36'1")
B (Maximum Height)	10,630 (34'11")	12,670 (41'7")
C (Maximum Depth)	3,740 (12'3")	4,650 (15'3")

mm(ft·in)

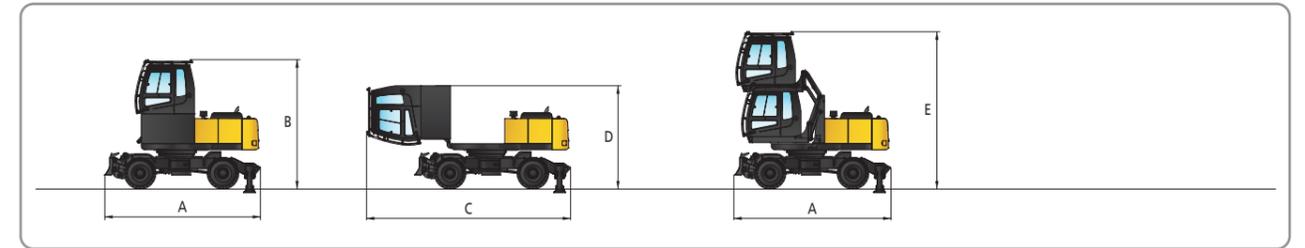
 RISER / ELEVATING / TILTING (CRAWLER / OPT)



	R290LC-7A	R320LC-7 / R320LC-7A	R360LC-7A	R450LC-7 / R450LC-7A	R500LC-7 / R500LC-7A	R800LC-7A
A	5,560 (18'3")	5,730 (18'10")	6,000 (19'8")	6,400 (20'12")	6,400 (20'12")	7,370 (24'2")
B	4,730 (15'6")	4,760 (15'7")	5,330 (17'6")	5,380 (17'8")	5,520 (18'1")	4,780 / 5,830 (15'8") / (19'2")
C	7,750 (25'5")	7,920 (25'12")	8,510 (27'11")	8,930 (29'4")	8,930 (29'4")	8,640 / 9,690 (28'4") / (31'9")
D	3,360 (11'0")	3,390 (11'1")	3,450 (11'4")	3,500 (11'6")	3,640 (11'11")	3,850 (12'8")
E	5,590 (18'4")	5,750 (18'10")	5,840 (19'2")	6,270 (20'7")	6,270 (20'7")	7,370 (24'2")
F	5,190 (17'0")	5,210 (17'1")	5,280 (17'4")	5,330 (17'6")	5,470 (17'11")	5,790 (18'12")
G	4,360 (14'4")	4,360 (14'4")	4,460 (14'8")	4,510 (14'10")	4,650 (15'3")	4,850 (15'11")
Cabin Riser	1,500 (4'11")	1,500 (4'11")	2,000 (6'7")	2,000 (6'7")	2,000 (6'7")	950 / 2,000 (3'1") / (6'7")
Cabin Elevating	2,000 (6'7")	2,000 (6'7")	2,000 (6'7")	2,000 (6'7")	2,000 (6'7")	2,000 (6'7")
Cabin Tilting	30°	30°	30°	30°	30°	30°

mm(ft·in)

 RISER / ELEVATING (WHEEL / OPT)



	R140W-7 / R140W-7A	R200W-7 / R200W-7A
A	4,530 (14'10")	5,280 (17'4")
B	4,280 (14'1")	4,340 (14'3")
C	6,370 (20'11")	6,880 (22'7")
D	3,400 (11'2")	3,460 (11'4")
E	5,230 (17'2")	5,300 (17'5")
Cabin Riser	1,000 (3'3")	1,000 (3'3")
Cabin Elevating	2,000 (6'7")	2,000 (6'7")

mm(ft·in)

Material Handler Lifting Capacities

R320LC-7/7A_Material Handler_Three-Piece Front

Boom : 6.3 m (20'8") / Middle Arm : 4 m (13'1") / End Arm : 3 m (9'10") / Shoe : 600 mm (24") triple grouser / 1.5 m (4'11") Cabin Riser

Load Point Height m(ft)	Load Radius										At Max. Reach						
	1.5m (4.9ft)		4.5m (14.8ft)		6m (19.7ft)		7.5m (24.6ft)		9m (29.5ft)		10.5m (34.4ft)		12m (39.4ft)		Max.		Max.Reach
																	m(ft)
13.5m kg					*2176	*2176									*2429	*2429	6.48
44.3ft lb					*4797	*4797									*5354	*5354	21.27
12m kg					*1963	*1963	*2612	*2612							*2973	*2973	8.65
39.4ft lb					*4328	*4328	*5758	*5758							*6555	*6555	28.37
10.5m kg					*2150	*2150	*2677	*2677	*3037	*3037					*3259	*3259	10.14
34.4ft lb					*4740	*4740	*5902	*5902	*6695	*6695					*7186	*7186	33.26
9m kg					*2280	*2280	*3019	*3019	*3202	*3202	*3361	*3361			*3444	3231	11.23
29.5ft lb					*5027	*5027	*6657	*6657	*7059	*7059	*7411	*7411			*7592	7124	36.84
7.5m kg					*2605	*2605	*3268	*3268	*3536	*3536	*3537	*3537	*3593	2691	*3590	2666	12.03
24.6ft lb					*5743	*5743	*7204	*7204	*7796	*7796	*7797	*7797	*7921	5932	*7914	5878	39.48
6m kg					*3198	*3198	*3655	*3655	*3906	*3906	*3804	3575	*3719	2669	*3711	2289	12.61
19.7ft lb					*7050	*7050	*8058	*8058	*8611	*8611	*8387	7881	*8200	5884	*8181	5046	41.37
3m kg			*5664	*5664	*5179	*5179	*4858	*4858	*4663	4232	*4404	3402	4031	2430	3392	1865	13.17
9.8ft lb			*12486	*12486	*11417	*11417	*10710	*10710	*10279	9329	*9709	7501	8886	5357	7478	4112	43.22
0m kg			*8772	*8772	*6975	*6975	*6000	*5192	*5367	3989	4684	2902	3869	2147	3290	1750	13.04
0ft lb			*19338	*19338	*15378	*15378	*13229	*11447	*11833	8794	10326	6399	8530	4733	7253	3858	42.77
-3m kg	*7641	*7641	*9473	*9473	*7611	6718	*6439	4708	5589	3428	4631	2575	3710	1997	3634	1951	12.17
-9.8ft lb	*16845	*16845	*20884	*20884	*16780	14812	*14196	10380	12322	7557	10210	5678	8180	4402	8012	4301	39.91
-4.5m kg	*7602	*7602	*9291	*9291	*7509	6502	*6339	4524	*5485	3322	4601	2547			4060	2224	11.41
-14.8ft lb	*16759	*16759	*20484	*20484	*16555	14335	*13976	9974	*12093	7324	10144	5616			8951	4904	37.43

R320LC-7/7A_Material Handler_Three-Piece Front

Boom : 6.3 m (20'8") / Middle Arm : 4 m (13'1") / End Arm : 3 m (9'10") / Shoe : 800 mm (32") triple grouser / 1.5 m (4'11") Cabin Riser

Load Point Height m(ft)	Load Radius										At Max. Reach						
	1.5m (4.9ft)		4.5m (14.8ft)		6m (19.7ft)		7.5m (24.6ft)		9m (29.5ft)		10.5m (34.4ft)		12m (39.4ft)		Max.		Max.Reach
																	m(ft)
13.5m kg					*2195	*2195									*2538	*2538	6.59
44.3ft lb					*4838	*4838									*5595	*5595	21.61
12m kg					*1841	*1841	*2313	*2313							*2729	*2729	8.72
39.4ft lb					*4059	*4059	*5100	*5100							*6017	*6017	28.62
10.5m kg					*1987	*1987	*2302	*2302	*2546	*2546					*2832	*2832	10.2
34.4ft lb					*4382	*4382	*5075	*5075	*5613	*5613					*6245	*6245	33.47
9m kg					*2034	*2034	*2594	*2594	*2651	*2651	*2756	*2756			*2898	*2898	11.29
29.5ft lb					*4485	*4485	*5719	*5719	*5844	*5844	*6075	*6075			*6388	*6388	37.04
7.5m kg					*2224	*2224	*2748	*2748	*2923	*2923	*2869	*2869	*2929	*2929	*2950	*2950	12.09
24.6ft lb					*4902	*4902	*6058	*6058	*6445	*6445	*6325	*6325	*6457	*6457	*6505	*6505	39.66
6m kg					*2709	*2709	*3034	*3034	*3214	*3214	*3063	*3063	*2972	*2972	*2994	2849	12.66
19.7ft lb					*5971	*5971	*6689	*6689	*7086	*7086	*6753	*6753	*6553	*6553	*6601	6280	41.54
3m kg			*4834	*4834	*4252	*4252	*3956	*3956	*3760	*3760	*3514	*3514	*3212	3088	*3068	2545	13.22
9.8ft lb			*10658	*10658	*9373	*9373	*8721	*8721	*8289	*8289	*7746	*7746	*7081	6808	*6764	5610	43.38
0m kg			*7151	*7151	*5645	*5645	*4789	*4789	*4260	4228	*3793	*3566	*3380	2965	*3147	2537	13.08
0ft lb			*15766	*15766	*12445	*12445	*10558	*10558	*9393	9320	*8362	*7862	*7451	6537	*6937	5594	42.93
-1.5m kg			*7506	*7506	*5947	*5947	*5012	*5012	*4376	4229	*3820	3567	*3385	2902	*3186	2650	12.75
-4.9ft lb			*16548	*16548	*13111	*13111	*11049	*11049	*9646	9323	*8422	7863	*7463	6397	*7023	5843	41.82
-3m kg	*7680	*7680	*7506	*7506	*6001	*6001	*5047	*5047	*4340	4229	*3777	3532	*3308	2917	*3231	2860	12.22
-9.8ft lb	*16930	*16930	*16549	*16549	*13230	*13230	*11127	*11127	*9567	9323	*8328	7787	*7293	6431	*7124	6305	40.08

R360LC-7A_Material Handler_Two-Piece Front

Boom : 8.6 m (28'3") / Arm : 6 m (19'10") / Shoe : 600 mm (24") triple grouser / 2m (6'7") Cabin Riser

Load Point Height m(ft)	Load Radius										At Max. Reach							
	3m (9.8ft)		6m (19.7ft)		7.5m (24.6ft)		9m (29.5ft)		10.5m (34.4ft)		12m (39.4ft)		13.5m (44.3ft)		Max.		Max.Reach	
																	m(ft)	
15m kg																*3175	*3175	6.24
49.2ft lb																*7000	*7000	20.46
13.5m kg																*2559	*2559	8.73
44.3ft lb																*5641	*5641	28.63
12m kg																*2274	*2274	10.42
39.4ft lb																*5014	*5014	34.18
10.5m kg																*3551	*3551	11.68
34.4ft lb																*7829	*7829	38.31
9m kg																*3706	*3706	12.63
29.5ft lb																*8170	*8170	41.43
6m kg																*4167	*4167	13.85
19.7ft lb																*9187	*9187	45.45
3m kg																*13079	11116	14.36
9.8ft lb																*28833	24506	47.1
0m kg																*14651	9867	14.22
0ft lb																*32300	21752	46.64
-3m kg	*4904	*4904														*13506	9512	13.41
-9.8ft lb	*10812	*10812														*29775	20970	43.99
-4.5m kg																*12048	9553	12.72
-14.8ft lb																*26562	21060	41.72

R360LC-7A_Material Handler_Two-Piece Front

Boom : 8.6 m (28'3") / Arm : 6 m (19'10") / Shoe : 800 mm (32") triple grouser / 2m (6'7") Cabin Riser

Load Point Height m(ft)	Load Radius										At Max. Reach							
	3m (9.8ft)		6m (19.7ft)		7.5m (24.6ft)		9m (29.5ft)		10.5m (34.4ft)		12m (39.4ft)		13.5m (44.3ft)		Max.		Max.Reach	
																	m(ft)	
15m kg																*3175	*3175	6.24
49.2ft lb																*7000	*7000	20.46
13.5m kg																*2559	*2559	8.73
44.3ft lb																*5641	*5641	28.63
12m kg																*2274	*2274	10.42
39.4ft lb																*5014	*5014	34.18
10.5m kg																*3551	*3551	11.68
34.4ft lb																*7829	*7829	38.31
9m kg																*3706	*3706	12.63
29.5ft lb																*8170	*8170	41.43
6m kg																*4167	*4167	13.85
19.7ft lb																*9187	*9187	45.45
3m kg																*13079	11116	14.36
9.8ft lb																*28833	24964	47.1
0m kg																*14651	10075	14.22
0ft lb																*32300	22211	46.64
-3m kg	*4904	*4904			</													

Material Handler Lifting Capacities

R450LC-7/7A_Material Handler_Two-Piece Front

Boom : 10 m (32'10") / Arm : 7.1 m (23'4") / Shoe : 600 mm (24") triple grouser / 2m (6'7") Cabin Riser

Load Point Height m(ft)	Load Radius										At Max. Reach					
	3m (9.8ft)		6m (19.7ft)		9m (29.5ft)		12m (39.4ft)		13.5m (44.3ft)		15m (49.2ft)		16.5m (54.1ft)		Max.	Max.Reach
																m(ft)
16.5m kg														*4319	*4319	8.44
54.1ft lb														*9522	*9522	27.69
15m kg					*4727	*4727								*3738	*3738	10.61
49.2ft lb					*10420	*10420								*8242	*8242	34.8
12m kg					*5260	*5260	*4381	*4381						*3226	*3226	13.46
39.4ft lb					*11596	*11596	*9659	*9659						*7113	*7113	44.16
9m kg					*5794	*5794	*5378	*5378	*4649	*4649	*3336	*3336		*3043	*3043	15.21
29.5ft lb					*12774	*12774	*11857	*11857	*10249	*10249	*7354	*7354		*6708	*6708	49.92
6m kg		*6037	*6037		*7477	*7477	*6744	5852	*5854	4834	*4606	4037		*3027	*3027	16.24
19.7ft lb		*13309	*13309		*16483	*16483	*14869	12902	*12907	10657	*10155	8901		*6673	*6673	53.27
3m kg		*16706	14452		*10949	8260	*8196	*5378	*7247	4574	*5683	3873	*3460	*3144	*3144	16.66
9.8ft lb		*36831	*24138		*18069	18210	*18069	12050	*15978	10083	*12530	8539	*7627	*7296	*6932	54.66
0m kg		*11588	*11588		*11294	7523	*8189	5112	*7095	4331	*6111	3718	*3492	*3236	*3236	16.53
0ft lb		*25548	*25548		*24900	16585	*18055	11269	*15641	9548	*13472	8197	*7699	*7133	*7133	54.24
-3m kg	*4391	*4391	*13196	12272	*10399	7141	*7480	4902	*6321	4193	*5149	3648		*3895	3409	15.84
-9.8ft lb	*9681	*9681	*29093	27054	*22927	15744	*16491	10807	*16491	10807	*11352	8043		*8587	7517	51.98
-4.5m kg			*13023	12285	*9412	7085	*6738	4870	*5553	4183	*4178	3675		*3851	3605	15.26
-14.8ft lb			*28710	27083	*20750	15620	*14854	10737	*12242	9222	*9210	8101		*8489	7947	50.08
-6m kg		*10607	*10607		*8028	7108	*5641	4893	*4379	4228				*3247	*3247	14.51
-19.7ft lb		*23385	*23385		*17698	15670	*12436	10788	*9655	9321				*7158	*7158	47.6

R450LC-7/7A_Material Handler_Two-Piece Front

Boom : 10 m (32'10") / Arm : 7.1 m (23'4") / Shoe : 800 mm (32") triple grouser / 2m (6'7") Cabin Riser

Load Point Height m(ft)	Load Radius										At Max. Reach					
	3m (9.8ft)		6m (19.7ft)		9m (29.5ft)		12m (39.4ft)		13.5m (44.3ft)		15m (49.2ft)		16.5m (54.1ft)		Max.	Max.Reach
																m(ft)
16.5m kg														*4319	*4319	8.44
54.1ft lb														*9522	*9522	27.69
15m kg					*4727	*4727								*3738	*3738	10.61
49.2ft lb					*10420	*10420								*8242	*8242	34.8
12m kg					*5260	*5260	*4381	*4381						*3226	*3226	13.46
39.4ft lb					*11596	*11596	*9659	*9659						*7113	*7113	44.16
9m kg					*5794	*5794	*5378	*5378	*4649	*4649	*3336	*3336		*3043	*3043	15.21
29.5ft lb					*12774	*12774	*11857	*11857	*10249	*10249	*7354	*7354		*6708	*6708	49.92
6m kg		*6037	*6037		*7477	*7477	*6744	5963	*5854	4931	*4606	4124		*3027	*3027	16.24
19.7ft lb		*13309	*13309		*16483	*16483	*14869	13147	*12907	10872	*10155	9091		*6673	*6673	53.27
3m kg		*16706	14711		*10949	8415	*8196	5577	*7247	4671	*5683	3960	*3460	*3144	*3144	16.66
9.8ft lb		*36831	32431		*18069	18552	*18069	12294	*15978	10297	*12530	8730	*7627	*7467	*6932	54.66
0m kg		*11588	*11588		*11294	7678	*8189	5223	*7095	4428	*6111	3804	*3492	*3313	*3313	16.53
0ft lb		*25548	*25548		*24900	16927	*18055	11514	*15641	9762	*13472	8387	*7699	*7305	*7305	54.24
-3m kg	*4391	*4391	*13196	12530	*10399	7297	*7480	5013	*6321	4290	*5149	3735		*3895	3491	15.84
-9.8ft lb	*9681	*9681	*29093	27623	*22927	16086	*16491	11052	*13936	9457	*11352	8234		*8587	7696	51.98
-4.5m kg			*13023	12543	*9412	7241	*6738	4981	*5553	4280	*4178	3761		*3851	3689	15.26
-14.8ft lb			*28710	27652	*20750	15963	*14854	10981	*12242	9437	*9210	8292		*8489	8134	50.08
-6m kg		*10607	*10607		*8028	7263	*5641	5004	*4379	4325				*3247	*3247	14.51
-19.7ft lb		*23385	*23385		*17698	16012	*12436	11032	*9655	9535				*7158	*7158	47.6

R450LC-7/7A_Material Handler_Three-Piece Front

Boom : 7.5 m (24'7") / Middle Arm : 5 m (16'5") / End Arm : 4 m (13'1") / Shoe : 600 mm (24") triple grouser / 2m (6'7") Cabin Riser

Load Point Height m(ft)	Load Radius										At Max. Reach						
	1.5m (4.9ft)		4.5m (14.8ft)		7.5m (24.6ft)		10.5m (34.4ft)		12m (39.4ft)		13.5m (44.3ft)		15m (49.2ft)		Max.	Max.Reach	
																m(ft)	
16.5m kg															*2781	*2781	7.9
54.1ft lb															*6131	*6131	25.9
15m kg															*2893	*2893	10.17
49.2ft lb															*6378	*6378	33.37
13.5m kg															*2959	*2959	11.84
44.3ft lb															*6525	*6525	38.83
12m kg															*2647	*2647	13.12
39.4ft lb															*5837	*5837	43.04
9m kg															*2493	*2493	14.91
29.5ft lb															*5058	*5058	48.9
6m kg															*3299	*3299	15.94
19.7ft lb															*7272	*7272	52.3
3m kg															*5743	*5743	15.94
9.8ft lb															*12661	*12661	53.71
0m kg															*8046	*8046	16.24
0ft lb															*17738	*17738	53.28
-1.5m kg															*8436	*8436	15.96
-4.9ft lb															*18598	*18598	52.36
-3m kg															*7779	*7779	15.53
-9.8ft lb															*17149	*17149	50.95

R450LC-7/7A_Material Handler_Three-Piece Front

Boom : 7.5 m (24'7") / Middle Arm : 5 m (16'5") / End Arm : 4 m (13'1") / Shoe : 800 mm (32") triple grouser / 2m (6'7") Cabin Riser

Load Point Height m(ft)	Load Radius										At Max. Reach						
	1.5m (4.9ft)		4.5m (14.8ft)		7.5m (24.6ft)		10.5m (34.4ft)		12m (39.4ft)		13.5m (44.3ft)		15m (49.2ft)		Max.	Max.Reach	
																m(ft)	
16.5m kg															*2781	*2781	7.9
54.1ft lb															*6131	*6131	25.9
15m kg															*2893	*2893	10.17
49.2ft lb															*6378	*6378	33.37
13.5m kg															*2959	*2959	11.84
44.3ft lb															*6525	*6525	38.83
12m kg															*2647	*2647	13.12
39.4ft lb															*5837	*5837	43.04
9m kg															*2493	*2493	14.91
29.5ft lb															*5058	*5058	48.9
6m kg															*3299	*3299	15.94
19.7ft lb															*7272	*7272	52.3
3m kg															*5743	*5743	15.94
9.8ft lb															*12661	*12661	53.71
0m kg															*8046	*8046	16.24
0ft lb															*17738	*17738	53.28
-1.5m kg															*8436	*8436	15.96
-4.9ft lb															*18598	*18598	52.36
-3m kg															*7779	*7779	15.53
-9.8ft lb															*17149	*17149	50.95

R500LC-7/7A_Material Handler_Two-Piece Front

Boom : 10

Material Handler Lifting Capacities

R500LC-7/7A_Material Handler_Three-Piece Front

Boom : 7.5 m (24'7") / Middle Arm : 5 m (16'5") / End Arm : 4 m (13'1") / Shoe : 600 mm (24") triple grouser / 2m (6'7") Cabin Riser

Load Point Height m(ft)	Load Radius														At Max. Reach		
	1.5m (4.9ft)		4.5m (14.8ft)		7.5m (24.6ft)		10.5m (34.4ft)		12m (39.4ft)		13.5m (44.3ft)		15m (49.2ft)		Max.		Max.Reach
																	m(ft)
18m kg			*2290	*2290											*2470	*2470	4.74
59.1ft lb			*5048	*5048											*5445	*5445	15.56
16.5m kg					*2473	*2473									*2805	*2805	8.25
54.1ft lb					*5453	*5453									*6184	*6184	27.06
13.5m kg					*2105	*2105	*2647	*2647	*2955	*2955					*2702	*2702	10.82
44.3ft lb					*4641	*4641	*5836	*5836	*6514	*6514					*5956	*5956	35.5
10.5m kg					*2371	*2371	*2821	*2821	*2862	*2862	*2945	*2945			*2919	*2919	13.24
34.4ft lb					*5228	*5228	*6219	*6219	*6310	*6310	*6492	*6492			*6435	*6435	43.45
7.5m kg					*2863	*2863	*3301	*3301	*3214	*3214	*3109	*3109	*3065	*3065	*3067	*3067	14.68
24.6ft lb					*6313	*6313	*7277	*7277	*7085	*7085	*6854	*6854	*6757	*6757	*6761	*6761	48.15
4.5m kg			*4145	*4145	*3952	*3952	*3767	*3767	*3668	*3668	*3397	*3397	*3217	*3217	*3183	*3183	15.4
14.8ft lb			*9139	*9139	*8713	*8713	*8305	*8305	*8086	*8086	*7489	*7489	*7093	*7093	*7018	*7018	50.53
1.5m kg			*7510	*7510	*5131	*5131	*4279	*4279	*3997	*3997	*3638	*3638	*3367	*3367	*3290	*3290	15.52
4.9ft lb			*16557	*16557	*11311	*11311	*9433	*9433	*8812	*8812	*8020	*8020	*7423	*7423	*7253	*7253	50.91
0m kg			*8119	*8119	*5550	*5550	*4462	*4462	*4101	*4101	*3706	*3706	*3408	*3408	*3348	*3348	15.36
0ft lb			*17900	*17900	*12235	*12235	*9837	*9837	*9040	*9040	*8170	*8170	*7514	*7514	*7380	*7380	50.38
-1.5m kg			*8471	*8471	*5815	*5815	*4588	*4588	*4136	*4136	*3734	*3734	*3413	*3413	*3404	*3404	15.04
-4.9ft lb			*18676	*18676	*12820	*12820	*10115	*10115	*9118	*9118	*8232	*8232	*7525	*7525	*7505	*7505	49.35
-3m kg	*7768	*7768	*8630	*8630	*5928	*5928	*4613	*4613	*4118	*4118	*3715	*3715	*3369	*3369	*3467	*3467	14.57
-9.8ft lb	*17126	*17126	*19025	*19025	*13068	*13068	*10169	*10169	*9079	*9079	*8190	*8190	*7426	*7426	*7644	*7644	47.79

R500LC-7/7A_Material Handler_Three-Piece Front

Boom : 7.5 m (24'7") / Middle Arm : 5 m (16'5") / End Arm : 4 m (13'1") / Shoe : 800 mm (32") triple grouser / 2m (6'7") Cabin Riser

Load Point Height m(ft)	Load Radius														At Max. Reach		
	1.5m (4.9ft)		4.5m (14.8ft)		7.5m (24.6ft)		10.5m (34.4ft)		12m (39.4ft)		13.5m (44.3ft)		15m (49.2ft)		Max.		Max.Reach
																	m(ft)
18m kg			*2290	*2290											*2470	*2470	4.74
59.1ft lb			*5048	*5048											*5445	*5445	15.56
16.5m kg					*2473	*2473									*2805	*2805	8.25
54.1ft lb					*5453	*5453									*6184	*6184	27.06
13.5m kg					*2105	*2105	*2647	*2647	*2955	*2955					*2702	*2702	10.82
44.3ft lb					*4641	*4641	*5836	*5836	*6514	*6514					*5956	*5956	35.5
10.5m kg					*2371	*2371	*2821	*2821	*2862	*2862	*2945	*2945			*2919	*2919	13.24
34.4ft lb					*5228	*5228	*6219	*6219	*6310	*6310	*6492	*6492			*6435	*6435	43.45
7.5m kg					*2863	*2863	*3301	*3301	*3214	*3214	*3109	*3109	*3065	*3065	*3067	*3067	14.68
24.6ft lb					*6313	*6313	*7277	*7277	*7085	*7085	*6854	*6854	*6757	*6757	*6761	*6761	48.15
4.5m kg			*4145	*4145	*3952	*3952	*3767	*3767	*3668	*3668	*3397	*3397	*3217	*3217	*3183	*3183	15.4
14.8ft lb			*9139	*9139	*8713	*8713	*8305	*8305	*8086	*8086	*7489	*7489	*7093	*7093	*7018	*7018	50.53
1.5m kg			*7510	*7510	*5131	*5131	*4279	*4279	*3997	*3997	*3638	*3638	*3367	*3367	*3290	*3290	15.52
4.9ft lb			*16557	*16557	*11311	*11311	*9433	*9433	*8812	*8812	*8020	*8020	*7423	*7423	*7253	*7253	50.91
0m kg			*8119	*8119	*5550	*5550	*4462	*4462	*4101	*4101	*3706	*3706	*3408	*3408	*3348	*3348	15.36
0ft lb			*17900	*17900	*12235	*12235	*9837	*9837	*9040	*9040	*8170	*8170	*7514	*7514	*7380	*7380	50.38
-1.5m kg			*8471	*8471	*5815	*5815	*4588	*4588	*4136	*4136	*3734	*3734	*3413	*3413	*3404	*3404	15.04
-4.9ft lb			*18676	*18676	*12820	*12820	*10115	*10115	*9118	*9118	*8232	*8232	*7525	*7525	*7505	*7505	49.35
-3m kg	*7768	*7768	*8630	*8630	*5928	*5928	*4613	*4613	*4118	*4118	*3715	*3715	*3369	*3369	*3467	*3467	14.57
-9.8ft lb	*17126	*17126	*19025	*19025	*13068	*13068	*10169	*10169	*9079	*9079	*8190	*8190	*7426	*7426	*7644	*7644	47.79

R800LC-7A_Material Handler_Two-Piece Front

Boom : 11.5 m (37'9") / Arm : 7.6 m (24'11") / Shoe : 700 mm (28") triple grouser / 2m (6'7") Cabin Riser

Load Point Height m(ft)	Load Radius												At Max. Reach				
	7.5m (24.6ft)		9m (29.5ft)		10.5m (34.4ft)		12m (39.4ft)		13.5m (44.3ft)		15m (49.2ft)		16.5m (54.1ft)		Max.		Max.Reach
																	m(ft)
19.5m kg	*15753	14274													*12440	10809	8.7
64ft lb	*34729	31470													*27426	23830	28.56
16.5m kg			*16469	11322	*15108	8605	*12766	6624									13.02
54.1ft lb			*36307	24960	*33307	18972	*28145	14603									42.71
13.5m kg					*14697	8774	*13581	6874	*12640	5446	*10978	4294			*8020	3823	15.64
44.3ft lb					*32401	19343	*29940	15155	*27866	12006	*24201	9467			*17681	8428	51.31
10.5m kg			*16743	11040	*15119	8482	*13802	6689	*12695	5360	11613	4327	9939	3481	*7457	3021	17.36
34.4ft lb			*36913	24339	*33332	18699	*30428	14746	*27987	11816	25603	9540	21912	7674	*16440	6661	56.96
7.5m kg	*21259	13551	*18305	10078	*16122	7814	*14424	6222	*13045	5039	11396	4122	9838	3385	*7222	2583	18.44
24.6ft lb	*46868	29875	*40356	22218	*35542	17228	*31800	13717	*28760	11109	25123	9088	21690	7463	*15922	5695	60.5
4.5m kg	*24213	11410	*20091	8728	*17217	6909	*15074	5592	*11068	4596	3814	3183	4727	2357	*3711	3711	10.88
14.8ft lb	*53380	25155	*44293	19243	*37956	15231	*33232	12329	*28429	10132	24401	8408	21219	7017	*15915	5196	62.29
1.5m kg	*17895	9533	*20752	7485	*17590	6049	*14626	4983	*12427	4158	10738	3502	9401	2970	*7348	2287	19.04
4.9ft lb	*39452	21016	*45750	16501	*38779	13336	*32244	10985	*27397	9167	20725	6549	20725	6549	*16200	5042	62.48
0m kg	*14193	8979	*20303	7054	*17251	5725	*14364	4741	*12236	3980	10602	3375	9310	2885	*6785	2306	18.89
0ft lb	*31290	19796	*44760	15552	*38031	12621	*31668	10452	*26977	8774	23373	7440	20525	6359	*14958	5085	61.99
-1.5m kg	*13833	8667	*19290	6770	*16534	5492	*14168	4559	*12090	3843	10499	3278	*9216	2824	*6144	2364	18.62
-4.9ft lb	*30497	19109	*42528	14925	*36451	12107	*31235	10051	*26655	8473	23146	7226	*20317	6225	*13544	5213	61.09
-3m kg	*14705	8536	*17745	6615	*15370	5349	*13332	4442	*11550	3755	*9912	3218	*8245	2796	*5397	2466	18.22
-9.8ft lb	*32418	18819	*39120	14583	*33885	11793	*29391	9792	*25463	8278	*21853	7095	*18176	6165	*11898	5436	59.78