

Specifications R480LC-9A

ENGINE

MODEL	CUMMINS QSX11.9	
Type	Water cooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, turbocharged, charged air cooled and low emission	
Rated flywheel horse power		
SAE	J1995 (gross)	372 HP (277 kW) / 1,800 rpm
	J1349 (net)	352 HP (263 kW) / 1,800 rpm
DIN	6271/1 (gross)	377 PS (277 kW) / 1,800 rpm
	6271/1 (net)	357 PS (263 kW) / 1,800 rpm
Max. torque	186.7 kgf.m (1,350 lbf.ft) / 1,400 rpm	
Bore x stroke	130 mm x 150 mm (5.12" x 5.91")	
Piston displacement	11,900 cc (726 in ³)	
Batteries	2 x 12 V x 160 AH	
Starting motor	24 V; 7.2 kW	
Alternator	24 V; 70 Amp	

* This engine meets the EPA (Tier 4 interim) / EU (Stage III-B) Emission regulation.

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement tandem-axis piston pumps
Max. flow	2 x 360 ℓ/min (97.7 US gpm / 81.4 UK gpm)
Sub-pump for pilot circuit	Gear pump
Cross-sensing and fuel saving pump system	

HYDRAULIC MOTORS	
Travel	Two-speed axial pistons 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	285 kgf/cm ² (4,050 psi)
Pilot circuit	40 kgf/cm ² (570 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: 1-190 x 1,820 mm (7.5" x 71.7")
	Bucket: 1-160 x 1,370 mm (6.3" x 53.9")

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 (84,800 lbf)
Max. travel speed (high) / (low)	4.8 km/h (3.0 mph) / 3.1 km/h (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

SWING SYSTEM

Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	8.2 rpm

COOLANT & LUBRICANT CAPACITY

	liter	US gal	UK gal
Refilling			
Fuel tank	621.0	164.0	136.6
Engine coolant	68.0	18.0	15.0
Engine oil	41.6	11.0	9.15
Swing device	5.0	1.3	1.1
Final drive (each)	5.0	1.3	1.1
Hydraulic system (including tank)	480.0	100.4	83.6
Hydraulic tank	262.0	69.2	57.6

UNDERCARRIAGE

The 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 springs and sprockets, and a track chain with double or triple grouser shoes.

Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	53
No. of carrier rollers on each side	2
No. of track rollers on each side	9
No. of rail guards on each side	2

OPERATING WEIGHT (APPROXIMATE)

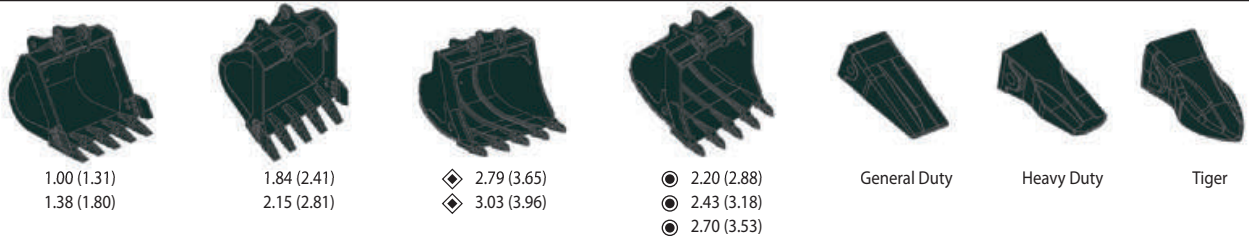
Operating weight, including 7,060 mm (23' 2") boom, 3,380 mm (11' 1") arm, SAE heaped 2.15m³ (2.81 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank and all standard equipments.

MAJOR COMPONENT WEIGHT	
Upperstructure	10,940 kg (24,120 lb)
Boom (with arm cylinder)	4,110 kg (9,060 lb)

OPERATING WEIGHT			
Shoes		Operating weight	Ground pressure
Type	Width mm (in)	kg (lb)	kgf/cm ² (psi)
Triple grouser	600 mm (24")	48,100 (106,040)	0.83 (11.80)
	700 mm (28")	48,640 (107,230)	0.72 (10.24)
	750 mm (30")	48,910 (107,830)	0.68 (9.67)
	800 mm (32")	49,180 (108,420)	0.64 (9.10)
	900 mm (36")	49,720 (109,610)	0.57 (8.11)
Double grouser	600 mm (24")	48,100 (106,040)	0.83 (11.80)
	700 mm (28")	48,640 (107,230)	0.72 (10.24)
Triple grouser (Heavy Duty)	600 mm (24")	48,308 (106,500)	0.84 (11.94)
	700 mm (28")	48,870 (107,740)	0.73 (10.38)

BUCKETS R480LC-9A

All buckets are welded with high-strength steel.



SAE heaped m³ (yd³)

Capacity m ³ (yd ³)		Width mm (in)		Weight kg (lb)	Recommendation m (ft.in)					
SAE heaped	CECE heaped	Without side cutters	With side cutters		7.06 (23' 2") Boom				6.55 (21' 6") Boom	9.0 (29' 6") Boom
					2.4 (7' 10") Arm	2.9 (9' 6") Arm	3.38 (11' 1") Arm	4.0 (13' 1") Arm	2.4 (7' 10") Arm	5.85 (19' 2") Arm
1.00 (1.31)	0.9 (1.17)	915 (36.0)	1,065 (41.9)	1,220 (2,690)	●	●	●	●	●	●
1.38 (1.80)	1.25 (1.63)	1,100 (43.3)	1,250 (49.2)	1,420 (3,130)	●	●	●	●	●	■
1.84 (2.41)	1.65 (2.16)	1,140 (44.9)	1,290 (50.8)	1,520 (3,350)	●	●	●	■	●	-
2.15 (2.81)	1.92 (2.51)	1,415 (55.7)	1,565 (61.6)	1,740 (3,840)	●	●	■	▲	●	-
◆ 2.79 (3.65)	2.47 (3.23)	1,760 (69.3)	1,910 (75.2)	1,960 (4,320)	■	■	▲	-	●	-
◆ 3.03 (3.96)	2.67 (3.49)	1,890 (74.4)	2,040 (80.3)	2,090 (4,610)	▲	▲	-	-	■	-
● 2.20 (2.88)	1.80 (2.35)	1,840 (72.4)	-	2,295 (5,060)	●	●	■	-	●	-
● 2.43 (3.18)	2.10 (2.75)	1,885 (74.2)	-	2,335 (5,150)	▲	-	-	-	■	-
● 2.70 (3.53)	2.5 (3.27)	1,790 (70.4)	-	2,715 (5,990)	▲	-	-	-	■	-

◆ Heavy-duty bucket

● Heavy duty Rock-bucket

● : Applicable for materials with density of 2,000 kg/m³ (3,370 lb/yd³) or less

■ : Applicable for materials with density of 1,600 kg/m³ (2,700 lb/yd³) or less

▲ : Applicable for materials with density of 1,100 kg/m³ (1,850 lb/yd³) or less

ATTACHMENT R480LC-9A

Booms and arms are welded, a low-stress, full-box section design.

6.55 m (21' 6"); 7.06 m (23' 2") & 9.0 m (29' 6") booms and 2.4 m (7' 10"); 2.9 m (9' 6"); 3.38 m (11' 1"); 4.0 m (13' 1") & 5.85 m (19' 2") arms are available.

DIGGING FORCE R480LC-9A

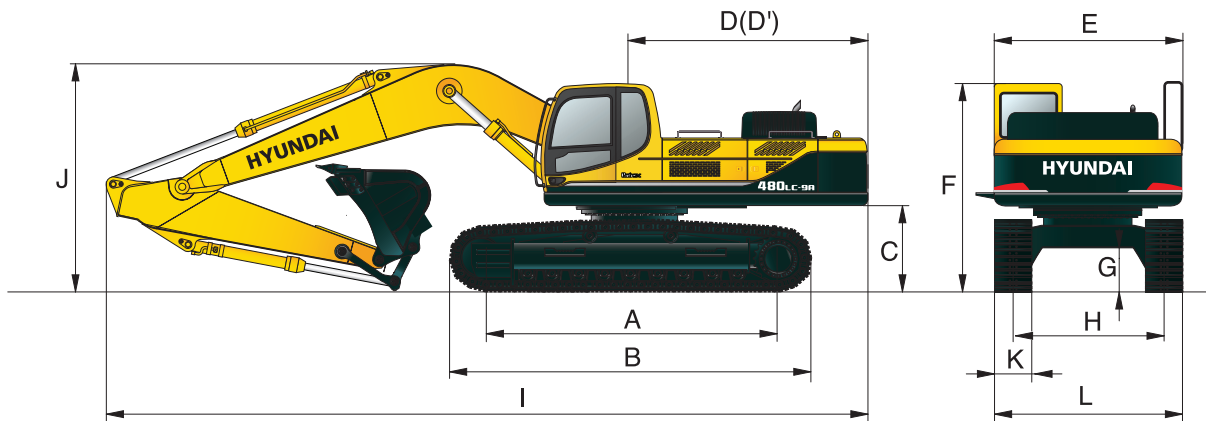
Boom	Length	mm (ft-in)	7,060 (23' 2")				Remarks
	Weight	kg (lb)	3,260 (7,180)				
Arm	Length	mm (ft-in)	2,400 (7' 10")	2,900 (9' 6")	3,380 (11' 1")	4,000 (13' 1")	[]: Power Boost
	Weight	kg (lb)	2,070 (4,560)	2,230 (4,920)	2,100 (4,630)	2,370 (5,220)	
Bucket digging force	SAE	kN	216.7 [236.4]	219.7 [239.6]	220.7 [240.7]	222.6 [242.9]	
		kgf	22,100 [24,110]	22,400 [24,440]	22,500 [24,550]	22,700 [24,760]	
		lbf	48,720 [53,150]	49,380 [53,870]	49,600 [54,110]	50,040 [54,590]	
	ISO	kN	251.1 [273.9]	254.0 [277.1]	255.0 [278.2]	256.9 [280.3]	
		kgf	25,600 [27,930]	25,900 [28,250]	26,000 [28,360]	26,200 [28,580]	
		lbf	56,440 [61,570]	57,100 [62,290]	57,320 [62,530]	57,760 [63,010]	
Arm crowd force	SAE	kN	276.6 [301.7]	224.6 [245.0]	191.2 [208.6]	170.6 [186.2]	
		kgf	28,200 [30,760]	22,900 [24,980]	19,500 [21,270]	17,400 [18,980]	
		lbf	62,170 [67,820]	50,490 [55,080]	42,990 [46,900]	38,360 [41,850]	
	ISO	kN	290.3 [316.7]	234.4 [255.7]	199.1 [217.2]	176.5 [192.6]	
		kgf	29,600 [32,290]	23,900 [26,070]	20,300 [22,150]	18,000 [19,640]	
		lbf	65,260 [71,190]	52,690 [57,480]	44,750 [48,820]	39,680 [43,290]	

Note: Boom weight includes arm cylinder, piping and pin.

Arm weight includes bucket cylinder, linkage and pin.

Dimensions & Working Ranges

DIMENSIONS R480LC-9A

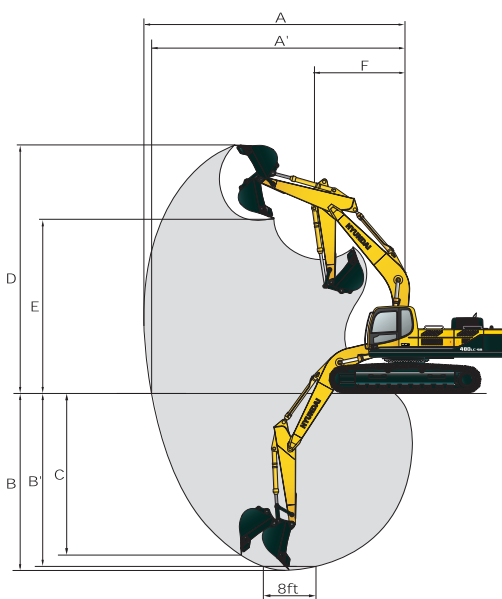


mm (ft · in)

A Tumbler distance	4,470 (14' 8")	Boom length	7,060 (23' 2")				6,550 (21' 6")	9,000 (29' 6")
B Overall length of crawler	5,462 (17' 11")	Arm length	2,400 (7' 10")	2,900 (9' 6")	3,380 (11' 1")	4,000 (13' 1")	2,400 (7' 10")	5,850 (19' 2")
C Ground clearance of counterweight	1,295 (4' 3")	I Overall length	12,430 (40' 3")	12,360 (40' 0")	12,220 (39' 7")	12,200 (39' 6")	11,930 (38' 7")	13,820 (44' 10")
D Tail swing radius	3,910 (12' 4")	J Overall height of boom	3,840 (12' 7")	3,770 (12' 4")	3,730 (12' 3")	4,040 (13' 3")	4,030 (13' 3")	5,200 (17' 1")
D' Rear-end length	3,855 (12' 1")	K Track shoe width	600 (24")	700 (28")	750 (30")	800 (32")	900 (36")	
E Overall width of upperstructure	2,980 (9' 9")	L Overall width	3,340 (10' 11")	3,440 (11' 3")	3,490 (11' 5")	3,540 (11' 7")	3,640 (11' 11")	
F Overall height of cab	3,190 (10' 6")							
G Min. ground clearance	555 (1' 10")							
H Track gauge	2,740 (9' 0")							

mm (ft · in)

WORKING RANGES R480LC-9A



Boom length	7,060 (23' 2")				6,550 (21' 6")	9,000 (29' 6")
Arm length	2,400 (7' 10")	2,900 (9' 6")	3,380 (11' 1")	4,000 (13' 1")	2,400 (7' 10")	5,850 (19' 2")
A Max. digging reach	11,160 (36' 7")	11,550 (37' 11")	12,100 (39' 8")	12,660 (41' 6")	10,610 (34' 10")	16,350 (53' 8")
A' Max. digging reach on ground	10,940 (35' 11")	11,340 (37' 2")	11,900 (39' 1")	12,470 (40' 11")	10,370 (34' 0")	16,200 (53' 2")
B Max. digging depth	6,850 (22' 6")	7,350 (24' 1")	7,810 (25' 7")	8,450 (27' 9")	6,370 (20' 11")	11,560 (37' 11")
B' Max. digging depth (8' level)	6,670 (21' 11")	7,190 (23' 7")	7,670 (25' 2")	8,320 (27' 4")	6,190 (20' 4")	11,460 (37' 7")
C Max. vertical wall digging depth	5,960 (19' 7")	5,930 (19' 5")	6,590 (21' 7")	7,170 (23' 6")	5,400 (17' 9")	10,320 (33' 10")
D Max. digging height	10,560 (34' 8")	10,530 (34' 7")	10,980 (36' 0")	11,210 (36' 9")	10,170 (33' 4")	13,840 (45' 5")
E Max. dumping height	7,120 (23' 4")	7,180 (23' 7")	7,620 (25' 0")	7,820 (25' 8")	6,750 (22' 2")	10,440 (34' 3")
F Min. front swing radius	5,090 (16' 8")	4,910 (16' 1")	4,780 (15' 8")	4,910 (16' 1")	4,620 (15' 2")	5,940 (19' 6")

Lifting Capacities

R480LC-9A

Rating over-front Rating over-side or 360 degrees

Boom : 6.55 m (21' 6") / Arm : 2.40 m (7' 10") / Bucket : 2.15 m³ (2.81 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser

Load point height m (ft)		Load radius								At max. reach		
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach
												m (ft)
6.0 m	kg					*12480	*12480	*11020	9310	*9470	6570	9.15
(25 ft)	lb					*27510	*27510	*24290	20530	*20880	14480	(30.0)
4.5 m	kg			*18440	*18440	*13960	13040	11650	9010	*9440	5790	9.65
(20 ft)	lb			*40650	*40650	*30780	28750	25680	19860	*20810	12760	(31.7)
3.0 m	kg					*15580	12220	12420	8610	*9470	5410	9.86
(15 ft)	lb					*34350	26940	27380	18980	*20880	11930	(32.3)
1.5 m	kg					*16700	11550	13000	8240	*9510	5340	9.80
(5 ft)	lb					*36820	25460	28660	18170	*20970	11770	(32.2)
Ground	kg			*22790	17330	*16900	11170	13090	8000	*9480	5590	9.47
Line	lb			*50240	38210	*37260	24630	28860	17640	*20900	12320	(31.1)
-1.5 m	kg	*25320	*25320	*20990	17370	*16060	11060	12360	7920	*9240	6280	8.83
(-5 ft)	lb	*55820	*55820	*46270	38290	*35410	24380	27250	17460	*20370	13850	(29.0)
-3.0 m	kg	*21780	*21780	*17910	17670	*13920	11190			*8390	7800	7.79
(-10 ft)	lb	*48020	*48020	*39480	38960	*30690	24670			*18500	17200	(25.6)
-4.5 m	kg			*12770	*12770							
(-15 ft)	lb			*28150	*28150							

Boom : 7.06 m (23' 2") / Arm : 2.40 m (7' 10") / Bucket : 2.15 m³ (2.81 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser

Load point height m (ft)		Load radius								At max. reach				
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
														m (ft)
6.0 m	kg					*12000	*12000	*10370	9210			*8610	5730	9.75
(20 ft)	lb					*26460	*26460	*22860	20300			*18980	12630	(32.0)
4.5 m	kg					*13640	12660	*11150	8820			*8600	5100	10.21
(15 ft)	lb					*30070	27910	*24580	19440			*18960	11240	(33.5)
3.0 m	kg					*15310	11770	*12010	8370	*10080	6180	8630	4780	10.41
(10 ft)	lb					*33750	25950	*26480	18450	*22220	13620	19030	10540	(34.2)
1.5 m	kg					*16370	11110	*12650	7990	*10340	5980	8590	4720	10.36
(5 ft)	lb					*36090	24490	*27890	17610	*22800	13180	18940	10410	(34.0)
Ground	kg					*16540	10780	*12830	7740	*10270	5850	*8720	4930	10.05
Line	lb					*36460	23770	*28290	17060	*22640	12900	*19220	10870	(33.0)
-1.5 m	kg			*20270	16950	*15820	10710	*12360	7660			*8570	5470	9.46
(-5 ft)	lb			*44690	37370	*34880	23610	*27250	16890			*18890	12060	(31.0)
-3.0 m	kg	*20660	*20660	*17780	17250	*14130	10850	*10900	7770			*8040	6620	8.51
(-10 ft)	lb	*45550	*45550	*39200	38030	*31150	23920	*24030	17130			*17730	14590	(27.9)
-4.5 m	kg			*13800	*13800	*10900	*10900					*6360	*6360	7.04
(-15 ft)	lb			*30420	*30420	*24030	*24030					*14020	*14020	(23.1)

- Lifting capacity is based on SAE J1097, ISO 10567.
- Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- The load point is a hook located on the back of the bucket.
- (*) indicates the load limited by hydraulic capacity.

Lifting Capacities

R480LC-9A

Rating over-front Rating over-side or 360 degrees

Boom : 7.06 m (23' 2") / Arm : 2.90 m (9' 6") / Bucket : 2.15 m³ (2.81 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser

Load point height m (ft)		Load radius										At max. reach		
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
														m (ft)
6.0 m (20 ft)	kg lb							*9720 9320					*7970 5290	10.17
4.5 m (15 ft)	kg lb			*17130 *37770	*17130 *37770	*12810 *28240	*12810 *28240	*10570 *23300	8900 19620	*9230 *20350	6420 14150	*17570 *17660	11660 10410	(33.4) 10.62 (34.8)
3.0 m (10 ft)	kg lb			*20840 *45940	18260 40260	*14600 *32190	11920 26280	*11520 *25400	8410 18540	*9700 *21380	6170 13600	8080 17810	4430 9770	10.80 (35.4)
1.5 m (5 ft)	kg lb			*22630 *49890	17010 37500	*15920 *35100	11160 24600	*12300 *27120	7970 17570	*10090 *22240	5930 13070	8030 17700	4360 9610	10.75 (35.3)
Ground Line	kg lb			*22430 *49450	16650 36710	*16410 *36180	10720 23630	*12670 *27930	7670 16910	*10200 *22490	5760 12700	*8290 *18280	4520 9960	10.46 (34.3)
-1.5 m (-5 ft)	kg lb	*19830 *43720	*19830 *43720	*21180 *46690	16670 36750	*16030 *35340	10560 23280	*12460 *27470	7530 16600			*8270 *18230	4970 10960	9.89 (32.4)
-3.0 m (-10 ft)	kg lb	*24070 *53070	*24070 *53070	*18990 *41870	16910 37280	*14720 *32450	10630 23440	*11420 *25180	7570 16690			*8000 *17640	5900 13010	9.00 (29.5)
-4.5 m (-15 ft)	kg lb	*19160 *42240	*19160 *42240	*15510 *34190	*15510 *34190	*12130 *26740	10930 24100					*7000 *15430	*7000 *15430	7.64 (25.1)

Boom : 7.06 m (23' 2") / Arm : 3.38 m (11' 1") / Bucket : 2.15 m³ (2.81 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser

Load point height m (ft)		Load radius										At max. reach		
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
														m (ft)
6.0 m (20 ft)	kg lb							*9220 *20330	*9220 *20330	*8240 *18170	6740 14860	*7490 *16510	4800 10580	10.75 (35.3)
4.5 m (15 ft)	kg lb					*12140 *26760	*12140 *26760	*10130 *22330	9050 19950	*8910 *19640	6530 14400	*7530 *16600	4320 9520	11.17 (36.6)
3.0 m (10 ft)	kg lb			*19830 *43720	18930 41730	*14060 *31000	12170 26830	*11170 *24630	8540 18830	*9450 *20830	6260 13800	7470 16470	4070 8970	11.35 (37.2)
1.5 m (5 ft)	kg lb			*22320 *49210	17460 38490	*15610 *34410	11360 25040	*12080 *26630	8080 17810	*9940 *21910	5990 13210	7420 16360	4010 8840	11.30 (37.1)
Ground Line	kg lb			*22800 *50270	16860 37170	*16390 *36130	10850 23920	*12610 *27800	7730 17040	*10190 *22470	5790 12760	7670 16910	4140 9130	11.02 (36.2)
-1.5 m (-5 ft)	kg lb	*18070 *39840	*18070 *39840	*21950 *48390	16730 36880	*16290 *35910	10610 23390	*12600 *27780	7550 16640	*10010 *22070	5680 12520	*7770 *17130	4500 9920	10.49 (34.4)
-3.0 m (-10 ft)	kg lb	*24350 *53680	*24350 *53680	*20080 *44270	16870 37190	*15280 *33690	10820 23850	*11850 *26120	7530 16600			*7590 *16730	5240 11550	9.66 (31.7)
-4.5 m (-15 ft)	kg lb	*22100 *48720	*22100 *48720	*16990 *37460	*16990 *37460	*13120 *28920	10820 23850	*9890 *21800	7710 17000			*6910 *15230	6720 14820	8.43 (27.7)
-6.0 m (-20 ft)	kg lb			*11930 *26300	*11930 *26300	*8900 *19620	*8900 *19620							

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Boom : 7.06 m (23' 2") / Arm : 4.00 m (13' 1") / Bucket : 2.15 m³ (2.81 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser

Load point height m (ft)		Load radius												At max. reach		
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		Capacity		Reach
																m (ft)
6.0 m (20 ft)	kg lb									*7750 6810				*6780 4260	4260 (37.2)	11.35
4.5 m (15 ft)	kg lb							*9300 20500	9140 20150	*8250 18190	6560 14460	*5010 11050	4790 10560	*6840 15080	3840 8470	11.75 (38.5)
3.0 m (10 ft)	kg lb		*17970 39620	*17970 39620	*13000 28660	12370 27270	*10430 22990	8590 18940	*8880 19580	6250 13780	*6710 14790	4630 10210	6790 14970	3610 7960	3610 7960	11.91 (39.1)
1.5 m (5 ft)	kg lb		*21130 46580	17770 39180	*14790 32610	11450 25240	*11470 25290	8070 17790	*9480 20900	5940 13100	*7610 16780	4460 9830	6730 14840	3550 7830	3550 7830	11.87 (38.9)
Ground Line	kg lb	*13120 28920	*13120 28920	*22460 49520	16830 37100	*15900 35050	10800 23810	*12200 26900	7650 16870	*9880 21780	5680 12520	*7180 15830	4330 9550	6920 15260	3640 8020	11.60 (38.1)
-1.5 m (-5 ft)	kg lb	*17270 38070	*17270 38070	*22270 49100	16480 36330	*16180 35670	10450 23040	*12440 27430	7390 16290	*9940 21910	5520 12170			*7210 15900	3930 8660	11.11 (36.5)
-3.0 m (-10 ft)	kg lb	*22170 48880	*22170 48880	*20930 46140	16490 36350	*15580 34350	10350 22820	*12030 26520	7300 16090	*9420 20770	5480 12080			*7150 15760	4500 9920	10.34 (33.9)
-4.5 m (-15 ft)	kg lb	*25260 55690	*25260 55690	*18420 40610	16750 36930	*13970 30800	10470 23080	*10700 23590	7390 16290					*6800 14990	5600 12350	9.21 (30.2)
-6.0 m (-20 ft)	kg lb	*18790 41420	*18790 41420	*14270 31460	*14270 31460	*10820 23850	*10820 23850							*5580 12300	*5580 12300	7.55 (24.8)

Boom : 9.0 m (29' 6") / Arm : 5.85 m (19' 2") / Bucket : 1.38 m³ (1.80 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser

Load point height m (ft)		Load radius												At max. reach		
		3.0 m (10 ft)		5.0 m (15 ft)		7.0 m (25 ft)		9.0 m (30 ft)		11.0 m (35 ft)		13.0 m (45 ft)		Capacity		Reach
																m (ft)
10.0 m (35 ft)	kg lb													*4310 9500	3590 7910	13.54 (44.4)
8.0 m (25 ft)	kg lb											*2660 5860	*2660 5860	*4240 9350	2910 6420	14.55 (44.7)
6.0 m (20 ft)	kg lb									*5190 11440	*5190 11440	*4250 9370	3640 8020	*4230 9330	2490 5490	15.20 (49.9)
4.0 m (15 ft)	kg lb							*6800 14990	*6800 14990	*5710 12590	4950 10910	*4990 11000	3450 7610	*4270 9410	2240 4940	15.55 (51.0)
2.0 m (5 ft)	kg lb			*16010 35300	16000 35270	*10420 22970	9730 21450	*7780 17150	6520 14370	*6260 13800	4560 10050	*5280 11640	3230 7120	*4320 9520	2110 4650	15.61 (51.2)
Ground Line	kg lb			*16790 37020	14290 31500	*11730 25860	8750 19290	*8570 18890	5940 13100	*6720 14820	4210 9280	*5510 12150	3020 6660	*4390 9680	2110 4650	15.38 (50.5)
-2.0 m (-5 ft)	kg lb	*10920 24070	*10920 24070	*17330 38210	13650 30090	*12300 27120	8170 18010	*9000 19840	5540 12210	*6970 15370	3950 8710	*5550 12240	2880 6350	*4450 9810	2250 4960	14.87 (48.8)
-4.0 m (-15 ft)	kg lb	*14070 31020	*14070 31020	*17370 38290	13550 29870	*12100 26680	7950 17530	*8940 19710	5340 11770	*6850 15100	3820 8420	*4730 10430	2830 6240	*4450 9810	2560 5640	14.02 (46.0)
-6.0 m (-20 ft)	kg lb	*17730 39090	*17730 39090	*15490 34150	13780 30380	*11110 24490	7980 17590	*8260 18210	5340 11770	*6160 13580	3850 8490			*4320 9520	3160 6970	12.76 (41.9)
-8.0 m (-25 ft)	kg lb	*17880 39420	*17880 39420	*12400 27340	*12400 27340	*9090 20040	8270 18230	*6620 14590	5560 12260					*3820 8420	*3820 8420	10.94 (35.9)
-10.0 m (-35 ft)	kg lb					*5220 11510	*5220 11510									

- Lifting capacity is based on SAE J1097, ISO 10567.
- Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- The load point is a hook located on the back of the bucket.
- (*) indicates the load limited by hydraulic capacity.

STANDARD EQUIPMENT R480LC-9A

ISO Standard cabin

All-weather steel cab with 360° visibility
Safety glass windows
Rise-up type windshield wiper
Sliding fold-in front window
Sliding side window(LH)
One key fits all lockable doors
Hot & cool box
Storage compartment & Ashtray
Radio / MP3 Player with remote control and USB-input
Handsfree mobile phone system with USB-charging device
Transparent cabin roof-cover
12 volt power outlet (24V DC to 12V DC converter)
Sun visor
Rain guard - front window
Computer aided power optimization (CAPO) system
3-power modes, 2-work modes, User mode
Auto & one-touch deceleration system
Auto warm-up system
Overheat prevention system
Automatic temperature control
Air conditioner & heater
Defroster
Self-diagnostics system
Starting Aid (air grid heater) for cold weather
Centralized monitoring
LCD display
Engine speed or Trip meter
Clock
Gauges
- Fuel level gauge
- Engine coolant temperature gauge
- Hyd. oil temperature gauge
Warning lamps
- Engine warning
- Overload
- Communication error
- Low battery
- Air filter clogging
Indicators
- Max power
- Low speed/High speed
- Fuel warmer
- Auto deceleration
Rearview camera
Door and cab locks, one key
Three outside rearview mirrors
Mechanical suspension seat with heater
Adjustable joysticks
Console box tilting system
Four front working lights
Electric horn
Batteries (2 x 12V x 200 AH)
Battery master switch
Removable clean-out screen for coolers
Automatic swing brake
Automatic fuel line deaeration
Fuel pre-filter with fuel warmer
Boom holding system
Arm holding system
Track shoes (600 mm; 24")
Track rail guard
Accumulator for lowering work equipment
Lower frame under cover
Viscous fan clutch
Fuel filler pump (50 ℓ/min)
Safety lock valve for boom cylinder with overload warning device
Double-acting piping kit (clamshell, etc.)
Travel alarm

Boom

7,06 m; 23' 2" Heavy duty boom
Arm
3,38 m; 11' 1" Heavy duty arm
Cabin ROPS (ISO 12117-2)
ROPS (Roll Over Protective Structure)
Hi-mate (Remote Management System)
Direct air flow filter with precleaner
Smart key

OPTIONAL EQUIPMENT R480LC-9A

Beacon lamp
Safety lock valve for arm cylinder
Single-acting piping kit (breaker, etc.)
Quick coupler
Boom
6,55 m; 21' 6" Short boom
9,0 m; 29' 6" Long boom
Arm
2,4 m; 7' 10" Super short arm
2,9 m; 9' 6" Short arm
5,85 m; 19' 2" Long arm
Counterweight
9200 kg; 20,280 lb
9700 kg; 21,380 lb
10200 kg; 22,490 lb
10700 kg; 23,590 lb
Cabin FOPS/FOG (ISO/DIS 10262)-Level II
FOPS (Falling Object Protective Structure)
FOG (Falling Object Guard)
Cabin guard front
Wire net
Fine net
Cabin roof-steel cover
Cabin lights
Track shoes
Triple grousers shoe (700 mm; 28") (Heavy Duty Type)
Triple grousers shoe (600 mm; 24") (Heavy Duty Type)
Triple grousers shoe (700 mm; 28")
Triple grousers shoe (750 mm; 30")
Triple grousers shoe (800 mm; 32")
Triple grousers shoe (900 mm; 36")
Double grousers shoe (600 mm; 24")
Double grousers shoe (700 mm; 28")
Full track rail guard
Additional lower frame - reinforced under cover
Seat
Adjustable air suspension seat with heater
Rearview camera
Pattern change valve (2 patterns)
Air compressor

- * Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to international standards.
- * The photos may include attachments and optional equipment that are not available in your area.
- * Materials and specifications are subject to change without advance notice.
- * All imperial measurements rounded off to the nearest pound or inch.

PLEASE CONTACT

