Specifications R180W-9A



MODEL		CUMMINS QSB6.7			
Туре		Water cooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, turbocharged, charged air cooled and low emission			
Rated flywheel horse power					
CAF	J1995 (gross)	165 HP (123 kW) / 2,200 rpm			
SAE	J1349 (net)	155 HP (115 kW) / 2,200 rpm			
DIN	6271/1 (gross)	167 PS (123 kW) / 2,200 rpm			
	6271/1 (net)	157 PS (115 kW) / 2,200 rpm			
Max. torque		74.7 kgf.m (540 lbf.ft) / 1,500 rpm			
Bore x stroke		107 x 124 mm (4.21" x 4.88")			
Piston displacem	nent	6,700 cc (409 in³)			
Batteries		2 x 12 V x 100 AH			
Starting motor		24 V - 4.8 kW			
Alternator		24 V - 95 Amp			

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

HYDRAULIC SYSTEM

MAIN PUMP					
Type	Two variabl	e displacement piston pumps			
Max. flow	2 x 172 ℓ/m	2 x 172 l/min (45.4 US gpm / 37.8 UK gpm)			
Sub-pump for pilot circuit	Gear pump				
Cross-sensing and fuel saving pump sy	rstem				
HYDRAULIC MOTORS					
Travel	Variable dis	placement piston motor with brake valve			
Swing	Axial piston	motor with automatic brake			
RELIEF VALVE SETTING					
Implement circuits	350 kgf/cm	² (4,970 psi)			
Travel	380 kgf/cm	380 kgf/cm² (5,400 psi)			
Power boost (boom, arm, bucket)	380 kgf/cm	380 kgf/cm² (5,400 psi)			
Swing circuit	285 kgf/cm	285 kgf/cm² (4,050 psi)			
Pilot circuit	40 kgf/cm ²	(570 psi)			
Service valve	Installed	Installed			
HYDRAULIC CYLINDERS					
	Boom : 2-11	15 x 1090 mm (4.5" x 42.9")			
	Arm : 1-120	Arm: 1-120 x 1355 mm (4.7" x 53.3")			
	Bucket: 1-1	Bucket: 1-110 x 995 mm (4.3" x 39.2")			
No. of cylinder- bore x stroke	Blade : 2-11	0 x 235 mm (4.3" x 9.3")			
DOIE X STIONE	Outrigger:	2-125 x 463 mm (4.9" x 18.2")			
	2PC-	1st: 2-115 x 960 mm (4.1" x 37.8")			
	boom	2nd: 1-160 x 650 mm (6.3" x 25.6")			

DRIVES & BRAKES

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

Max. drawbar pull		11,000 kgf (24,250 lbf)
Traval speed	1st	9.5 km/h
Travel speed	2nd	35 km/h
Gradeability		35° (70 %)

Parking brake: Independent dual brake, front and rear axle full hydraulic power brake.

- Spring activated and hydraulic released
- Wet type multiple disk brake

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



AXLE & WHEEL

Free oscillation front axle which can be blocked automatically or manually. Fixed rear axle for max. stability.

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

SWING SYSTEM

Swing motor		Fixed displacement axial piston motor
Swing reduction		Planetary gear reduction
Swing bearing lubrica	ation	Grease-bathed
Swing brake		Multi wet disc (pin lock type)
Swing speed		9.1 rpm

STEERING SYSTEM

Hydraulically actuated, orbitrol type steering system.

viin. turning radius 6.3 m (20 8°	Min. turning radius	6.3 m (20'8")
-----------------------------------	---------------------	---------------

COOLANT & LUBRICANT CAPACITY

		liter	US gal	UK gal
Fuel tank		270	71.3	59.4
Engine coolant		19.5	5.2	4.3
Engine oil		23.7	6.3	5.2
Swing device - gear oil		5	1.3	1.1
Axle	Front	15.5	4.1	3.4
Axie	Rear	17.5	4.6	3.9
Hydraulic system (including tank)		270	71.3	59.4
Hydraulic tank		160	42.3	35.2

UNDERCARRIAGE

MAJOR COMPONENT WEIGHT

Upperstructure

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

Dozer blade	A very useful tool for leveling, back filling or clean-up work.		
Outrigger	Maximum stability for digging and lifting work, can be installed on the front and/or rear side.		

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 5,200 mm (17'1") Mono boom, 2,600 mm (8'6") arm, SAE heaped $0.76 \, \text{m}^3$ (0.99 $\, \text{yd}^3$) backhoe bucket, lubricant, coolant, full fuel tank, full hydraulic tank and all standard equipments.

Mono boom (with arm cylinder)	1,275 kg (2,810 lb)		
Hydraulic adjustable boom (with adjust cylinder and arm cylinder)	1,780 kg (3,920 lb)		
OPERATING WEIGHT			
Undercarriage	Mono boom	Hyd. adjustable boom	
Rear dozer blade	17,280 kg (38,100 lb)	17,750 kg (39,130 lb)	
Rear outriggers	17,430 kg (38,430 lb)	17,900 kg (39,460 lb)	
Front outriggers and rear blade	18,400 kg (40,560 lb)	18,870 kg (41,600 lb)	
Front blade and rear outriggers	18,340 kg (40,430 lb)	18,810 kg (41,470 lb)	
Four outriggers	18,580 kg (40,960 lb)	19,050 kg (42,000 lb)	

4,590 kg (10,120 lb)



BUCKETS R180W-9A

All buckets are welded with high-strength steel.















SAE heaped m³ (yd³)

Capacity	v m³ (yd³)	Width i	mm (in)				Recommendation m (ft.in)	
				Weight kg (lb)		5.2 (17' 1") Mono Boom		5.1 (16' 1") Hydraul	ic Adjustable Boom
SAE heaped	CECE heaped	Without side cutters	With side cutters		2.2 (7′ 3″) Arm	2.6 (8′ 6″) Arm	3.1 (10′2″) Arm	2.2 (7′ 3″) Arm	2.6 (8' 6") Arm
0.39 (0.51)	0.34 (0.44)	620 (24.4)	740 (29.1)	410 (900)	•	•	•	•	•
0.50 (0.65)	0.44 (0.58)	760 (29.9)	880 (34.6)	470 (1040)	•	•	•	•	•
0.64 (0.84)	0.55 (0.72)	920 (36.2)	1,040 (40.9)	510 (1120)			A		
0.76 (0.99)	0.65 (0.85)	1,060 (41.7)	1,180 (46.5)	570 (1260)		A	A		A
0.89 (1.16)	0.77 (1.01)	1,220 (48.0)	1,340 (52.8)	610 (1340)	A	A	-	A	A
1.05 (1.37)	0.90 (1.18)	1,400 (55.1)	1,520 (59.8)	680 (1500)	A	-	-	A	_
0.69 (0.90)	0.62 (0.81)	990 (39.0)	-	700 (1540)		A	A		A

Heavy duty bucket Note: Dozer Blade down

- : 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

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

ATTACHMENT R180W-9A

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

5.2 m (17'1") boom & 5.1 m (16'1") Hydraulic Adjustable Boom and 2.2 m (7'3"); 2.6 m (8'6") & 3.1 m (10'2") arms are available.

DIGGING FORCE R180W-9A

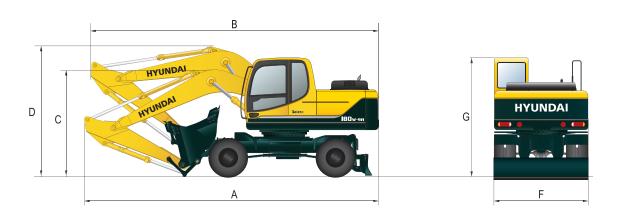
Boom Length Weight	Length	mm (ft·in)	5,200 (17'1")				
	kg (lb)		1,240 (2,730)		Damanla		
Arm Length Weight	mm (ft·in)	2,200 (7′3″)	2,600 (8' 6")	3,100 (10'2")	Remarks		
	Weight	kg (lb)	750 (1,560)	810 (1,790)	890 (1,960)		
		kN	107.9 [117.2]	107.9 [117.2]	107.9 [117.2]		
	SAE	kgf	11,000 [11,940]	11,000 [11,940]	11,000 [11,940]		
Bucket digging force		lbf	24,250 [26,330]	24,250 [26,330]	24,250 [26,330]		
		kN	123.6 [134.2]	123.6 [134.2]	123.6 [134.2]		
	ISO	kgf	12,600 [13,680]	12,600 [13,680]	12,600 [13,680]		
		lbf	27,780 [30,160]	27,780 [30,160]	27,780 [30,160]	[]:	
Arm crowd force	SAE	kN	87.2 [94.7]	77.3 [83.9]	77.3 [83.9]	Power Boost	
		kgf	8,890 [9,650]	7,880 [8,560]	7,880 [8,560]		
		lbf	19,600 [21,280]	17,270 [18,860]	17,270 [18,860]		
		kN	91.0 [98.8]	80.3 [87.2]	80.3 [87.2]		
	ISO	kgf	9,280 [10,080]	8,190 [8,890]	8,190 [8,890]		
		lbf	20,460 [22,210]	18,060 [19,600]	18,060 [19,600]		

Note: Boom weight includes arm cylinder, piping and pin Arm weight includes bucket cylinder, linkage and pin

Dimensions & Working Ranges





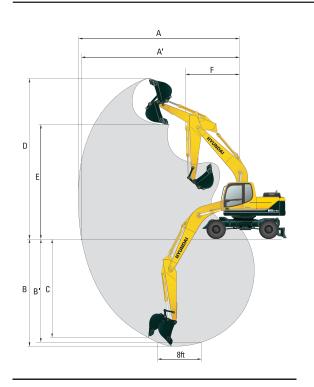


mm (ft · in)

Mono Boom		5,200 (17′1″)								
Arm	2,200 (7′3″)	2,600 (8′6″)	3,100 (11′1″)							
A Overall length - shipping position	8,650 (28′5″)	8,760 (28'9")	8,760 (28′9″)							
B Overall length - traveling position	8,590 (28'2")	8,710 (28'7")	8,480 (27′ 10″)							
C Height of attachment - shipping position	3,060 (10′0″)	3,180 (10'6")	3,150 (10'4")							
D Height of attachment - traveling position	3,610 (11′10″)	3,540 (11'8")	3,900 (12′10″)							
F Overall width	2,500 (8′2″)	2,500 (8'2")	2,500 (8′2″)							
G Overall height of cab	3,190 (10′6″)	3,190 (10'6")	3,190 (10'6")							

WORKING RANGES R180W-9A

 $mm~(ft\cdot in)$

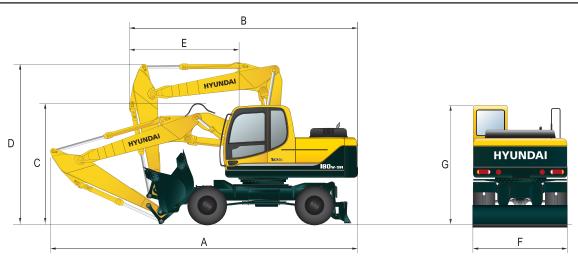


Boom length		5,200 (17′1″)				
Arm length	2,200	2,600	3,100			
	(7′ 3″)	(8′ 6″)	(10′ 2″)			
A Max. digging reach	8,820	9,200	9,450			
	(29' 1")	(30′ 3″)	(31′ 0″)			
A' Max. digging reach on ground	8,615	9,000	9,250			
	(28' 4")	(29′ 7″)	(30′ 4″)			
B Max. digging depth	5,500	5,900	6,320			
	(18' 2")	(19' 5")	(20′ 9″)			
B' Max. digging depth (8' level)	5,280	5,700	6,130			
	(17' 5")	(18' 9")	(20′ 1″)			
c Max. vertical wall digging depth	4,850	5,310	5,470			
	(16' 1")	(17' 6")	(17' 11")			
D Max. digging height	9,180	9,300	9,220			
	(30′ 3″)	(30′ 7″)	(30′ 3″)			
E Max. dumping height	6,520	6,660	6,620			
	(21' 5")	(21' 8")	(21′ 9″)			
F Min. front swing radius	3,290	3,230	3,160			
	(10' 9")	(10′ 8 ″)	(10′ 4″)			

Dimensions & Working Ranges



DIMENSIONS R180W-9A / HYDRAULIC ADJUSTABLE BOOM

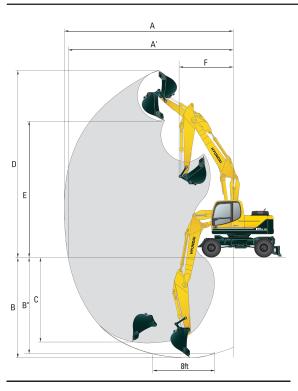


Hydraulic adjustable boom	5,200	0 (17'1")
Arm	2,200 (7′ 3″)	2,600 (8'6")
A Overall length - shipping position	8,650 (28′5″)	8,750 (28'8")
B Overall length - traveling position	6,630 (21′9″)	6,620 (21′9″)
C Height of attachment - shipping position	2,900 (9′6″)	2,920 (9'7")
D D - Height of attachment - traveling position	3,980 (13′1″)	3,960 (13'0")
E End of attachment to steering wheel	3,300 (10′10″)	3,290 (10′10″)
F Overall width	2,500 (8'2")	2,500 (8'2")
G Overall height of cab	3 190 (10′6″)	3 190 (10'6")

WORKING RANGES R180W-9A / HYDRAULIC ADJUSTABLE BOOM

mm (ft \cdot in)

mm (ft · in)

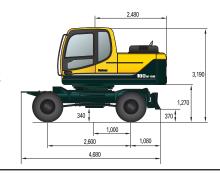


Boom length		200				
Arm length	2,200 (7′ 3″)	2,600 (8' 6")				
A Max. digging reach	8,760 (28' 9")	9,110 (29' 11")				
A' Max. digging reach on ground	8,550 (28' 1")	8,910 (29′ 3″)				
B Max. digging depth	5,220 (17' 2")	5,620 (18' 5")				
B' Max. digging depth (8' level)	5,120 (16' 10")	5,520 (18′ 1″)				
c Max. vertical wall digging depth	4,430 (14' 6")	4,780 (15′ 8″)				
D Max. digging height	9,630 (31′ 7″)	9,820 (32′ 3″)				
E Max. dumping height	6,930 (22' 9")	7,130 (23′ 5″)				
F Min. front swing radius	3,100 (10′ 2″)	2,970 (9′ 9″)				

Undercarriage



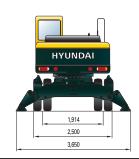
R180W-9A WITH REAR DOZER BLADE AND BUCKET REST



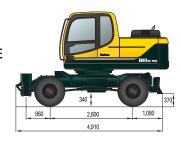


R180W-9A WITH REAR OUTRIGGERS AND BUCKET REST



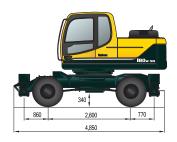


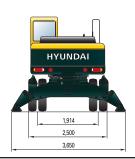
R180W-9A WITH REAR DOZER BLADE AND FRONT OUTRIGGERS



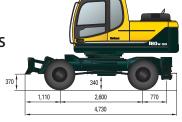


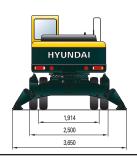
R180W-9A WITH REAR AND FRONT OUTRIGGERS





R180W-9A WITH REAR OUTRIGGERS AND FRONT DOZER BLADE





Lifting Capacities



R180W-9A MONO BOOM

Rating over-front Rating over-side or 360 degrees

Boom: 5.2 m	Boom: 5.2 m (17'1") / Arm: 2.2 m (7'3") / Bucket: 0.76 m³ (0.99 yd³) SAE heaped / Dozer blade down with 3,150 kg counterweight													
						Load	radius					At max. reach		
Load point height m (ft)		1.5 m	(5 ft)	3.0 m	(10 ft)	4.5 m	4.5 m (15 ft)		6.0 m (20 ft)		(25 ft)	Capa	acity	Reach
										ŀ				m (ft)
7 . 5 m	kg											*3680	3080	6.09
(25 ft)	lb											*8110	6790	(20.0)
6.0 m	kg							*3630	3080			*3610	2180	7.30
(20 ft)	lb							*8000	6790			*7960	4810	(24.0)
4.5 m	kg					*4750	*4750	*4130	3010			*3630	1790	8,00
(15 ft)	lb					*10470	*10470	*9110	6640			*8000	3950	(26.2)
3 . 0 m	kg					*6020	4520	*4660	2860	*2670	1920	3560	1610	8,32
(10 ft)	lb					*13270	9960	*10270	6310	*5890	4230	7850	3550	(27.3)
1.5 m	kg					*7180	4170	*5210	2700	*3480	1860	3520	1570	8,33
(5 ft)	lb					*15830	9190	*11490	5950	*7670	4100	7760	3460	(27.3)
Ground	kg			*7120	*7120	*7680	3990	*5510	2590			3720	1660	8,01
Line	lb			*15700	*15700	*16930	8800	*12150	5710			8200	3660	(26.3)
-1.5 m	kg	*7410	*7410	*10980	7610	*7470	3950	*5370	2560			*3810	1940	7,34
(-5 ft)	lb	*16340	*16340	*24210	16780	*16470	8710	*11840	5640			*8400	4280	(24.1)
-3.0 m	kg	*11630	*11630	*9190	7790	*6420	4030					*3510	2650	6.15
(-10 ft)	lb	*25640	*25640	*20260	17170	*14150	8880					*7740	5840	(20.2)

 $\underline{Boom: 5.2\ m\ (17'\ 1'')\ /\ Arm: 2.6\ m\ (8'6'')\ /\ Bucket: 0.76\ m^3\ (0.99\ yd^3)\ SAE\ heaped\ /\ Dozer\ blade\ down\ with\ 3,150\ kg\ counterweight}$

			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	01, 0111 (0122)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Load		<u> </u>	<u> </u>			At max. reach			
Load po		1.5 m	(5 ft)	3.0 m (10 ft)		4.5 m	(15 ft)	6.0 m	(20 ft)	7 . 5 m	(25 ft)	Capa	acity	Reach	
height m (ft)				ŀ				·						m (ft)	
7.5 m	kg											*3340	2710	6.57	
(25 ft)	lb											*7360	5970	(21.6)	
6.0 m	kg							*3380	3130			*3320	1970	7.70	
(20 ft)	lb							*7450	6900			*7320	4340	(25.3)	
4.5 m	kg							*3800	3030	*1830	*1830	*3360	1640	8.35	
(15 ft)	lb							*8380	6680	*4030	*4030	*7410	3620	(27.4)	
3.0 m	kg			*8730	8720	*5560	4570	*4380	2860	*3290	1920	3320	1470	8,66	
(10 ft)	lb			*19250	19220	*12260	10080	*9660	6310	*7250	4230	7320	3240	(28.4)	
1.5 m	kg			*6780	*6780	*6840	4180	*4990	2680	*4070	1840	3270	1430	8,67	
(5 ft)	lb			*14950	*14950	*15080	9220	*11000	5910	*8970	4060	7210	3150	(28.4)	
Ground	kg			*7720	7470	*7540	3950	*5400	2550	*3830	1780	3430	1500	8.37	
Line	lb			*17020	16470	*16620	8710	*11900	5620	*8440	3920	7560	3310	(27.5)	
-1.5 m	kg	*7000	*7000	*10750	7480	*7530	3880	*5400	2500			*3670	1730	7.73	
(-5 ft)	lb	*15430	*15430	*23700	16490	*16600	8550	*11900	5510			*8090	3810	(25.4)	
-3.0 m	kg	*10290	*10290	*9880	7620	*6750	3920	*4710	2540			*3540	2280	6.63	
(-10 ft)	lb	*22690	*22690	*21780	16800	*14880	8640	*10380	5600			*7800	5030	(21.8)	
-4.5 m	kg			*6890	*6890	*4530	4130								
(-15 ft)	lb			*15190	*15190	*9990	9110								

Boom: 5.2 m (17'1") / Arm: 3.1 m (10'2") / Bucket: 0.76 m³ (0.99 yd³) SAE heaped / Dozer blade down with 3,150 kg counterweight

						Load	radius						At max. reach	
Load point height m (ft)			(5 ft)	3.0 m	3.0 m (10 ft)		(15 ft)	6.0 m (20 ft)		7.5 m (25 ft)		Capa	ncity	Reach
														m (ft)
7.5 m	kg							*1940	*1940			*2980	2320	7.16
(25 ft)	lb							*4280	*4280			*6570	5110	(23.5)
6 . 0 m	kg							*3030	*3030			*3000	1740	8.20
(20 ft)	lb							*6680	*6680			*6610	3840	(26.9)
4.5 m	kg							*3400	3060	*2490	2000	*3060	1460	8.81
(15 ft)	lb							*7500	6750	*5490	4410	*6750	3220	(28.9)
3 . 0 m	kg			*7340	*7340	*4970	4650	*4020	2880	*3380	1920	3030	1310	9.10
(10 ft)	lb			*16180	*16180	*10960	10250	*8860	6350	*7450	4230	6680	2890	(29.9)
1.5 m	kg			*9440	7930	*6380	4230	*4700	2680	*3860	1820	2980	1270	9.11
(5 ft)	lb			*20810	17480	*14070	9330	*10360	5910	*8510	4010	6570	2800	(29.9)
Ground	kg			*8250	7460	*7300	3940	*5220	2530	4020	1740	3110	1320	8.83
Line	lb			*18190	16450	*16090	8690	*11510	5580	8860	3840	6860	2910	(29.0)
-1.5 m	kg	*6520	*6520	*10260	7370	*7530	3820	*5380	2440	*3370	1710	*3450	1500	8.23
(-5 ft)	lb	*14370	*14370	*22620	16250	*16600	8420	*11860	5380	*7430	3770	*7610	3310	(27.0)
-3.0 m	kg	*9180	*9180	*10560	7460	*7040	3820	*4990	2440			*3450	1920	7.21
(-10 ft)	lb	*20240	*20240	*23280	16450	*15520	8420	*11000	5380			*7610	4230	(23.7)
-4.5 m	kg	*12710	*12710	*8140	7710	*5470	3960					*3050	*3050	5.51
(-15 ft)	lb	*28020	*28020	*17950	17000	*12060	8730					*6720	*6720	(18.1)

- 1. Lifting capacity is based on SAE J1097, ISO 10567.
- 2. 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.
- 3. The load point is a hook located on the back of the bucket.
- 4. (*) indicates the load limited by hydraulic capacity.

Lifting Capacities



R180W-9A / HYDRAULIC ADJUSTABLE BOOM

Rating over-front Rating over-side or 360 degrees

Boom: 5.1 m	า (16′ 9″) /	Arm: 2.2 m (7	7′ 3″) / Bucket:	0.76 m³ (0.99 y	rd³) SAE heape	d / Dozer blad	e down with 3	,150 kg counte	erweight					
L d						Load	radius					At max. reach		
Load point height m (ft)		1.5 m	(5 ft)	3.0 m	(10 ft)	4.5 m	(15 ft)	6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach
										ŀ				m (ft)
6.0 m	kg											*3710	2210	7.22
(20 ft)	lb											*8180	4870	(23.7)
4.5 m	kg							*4210	3020			*3680	1810	7.92
(15 ft)	lb							*9280	6660			*8110	3990	(26.0)
3.0 m	kg					*6040	4550	*4690	2860			3660	1620	8.25
(10 ft)	lb					*13320	10030	*10340	6310			8070	3570	(27.1)
1.5 m	kg					*7120	4180	*5190	2700	*3430	1820	3610	1590	8.26
(5 ft)	lb					*15700	9220	*11440	5950	*7560	4080	7960	3510	(27.1)
Ground	kg			*6770	*6770	*7590	3980	*5450	2580			*3750	1680	7.94
Line	lb			*14930	*14930	*16730	8770	*12020	5690			*8270	3700	(26.0)
-1.5 m	kg	*6880	*6880	*10730	7600	*7310	3940	*5230	2560			*3640	1980	7.26
(-5 ft)	lb	*15170	*15170	*23660	16760	*16120	8690	*11530	5640			*8020	4370	(23.8)
-3.0 m	kg			*8720	7820	*6110	4040					*3140	2750	6.05
(-10 ft)	lb			*19220	17240	*13470	8910					*6920	6060	(19.8)

 $Boom: 5.1\ m\ (16'9'')\ /\ Arm: 2.6\ m\ (8'6'')\ /\ Bucket: 0.76\ m^3\ (0.99\ yd^3)\ SAE\ heaped\ /\ Dozer\ blade\ down\ with\ 3,150\ kg\ counterweight$

			o // backer				radius	<u> </u>					At max. reach	
Load po		1.5 m	1.5 m (5 ft)		3.0 m (10 ft)		(15 ft)	6.0 m (20 ft)		7 . 5 m	(25 ft)	Capa	acity	Reach
height m (ft)														m (ft)
6.0 m	kg											*3410	2000	7,63
(20 ft)	lb											*7520	4410	(25.0)
4.5 m	kg											*3410	1650	8.29
(15 ft)	lb											*7520	3640	(27.2)
3.0 m	kg							*4420	2870	*3380	1910	3400	1480	8.60
(10 ft)	lb							*9740	6330	*7450	4210	7500	3260	(28.2)
1.5 m	kg			*6600	*6600	*6800	4200	*4980	2680	*4050	1830	3350	1440	8 . 61
(5 ft)	lb			*14550	*14550	*14990	9260	*10980	5910	*8930	4030	7390	3170	(28.2)
Ground	kg			*7410	*7410	*7460	3950	*5340	2550	*3830	1780	3530	1520	8 . 31
Line	lb			*16340	*16340	*16450	8710	*11770	5620	*8440	3920	7780	3350	(27.3)
-1.5 m	kg	*6550	*6550	*10600	7470	*7390	3870	*5290	2490			*3520	1760	7 . 66
(-5 ft)	lb	*14440	*14440	*23370	16470	*16290	8530	*11660	5490			*7760	3880	(25.1)
-3.0 m	kg	*10160	*10160	*9480	7640	*6500	3930	*4440	2550			*3240	2350	6 . 54
(-10 ft)	lb	*22400	*22400	*20900	16840	*14330	8660	*9790	5620			*7140	5180	(21.5)
-4.5 m	kg			*6100	*6100	*3870	*3870							
(-15 ft)	lb			*13450	*13450	*8530	*8530							

- 1. Lifting capacity is based on SAE J1097, ISO 10567.
- 2. 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.
- 3. The load point is a hook located on the back of the bucket.
- 4. (*) indicates the load limited by hydraulic capacity.

STANDARD EQUIPMENT R180W-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

Two 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 100 AH) Battery master switch

Removable clean-out screen for coolers

Automatic swing brake

Fuel pre-filter with fuel warmer

Boom holding system

Arm holding system

Accumulator for lowering work equipment

Lower frame under cover

Viscous fan clutch

Rear-blade (550 mm x 2,500 mm)

Dual tires (10.00-20-14PR)

Travel alarm

Fuel filler pump (35 l/min)

Safety lock valve for boom cylinder with overload warning device

Double-acting piping kit (clamshell, etc.)

Travel alarm

Boom

5.20 m; 17′1″

Arm

2.6 m: 8' 6"

Cabin ROPS (ISO 12117-2) ROPS (Roll Over Protective Structure)

Hi-mate (Remote Management System)

OPTIONAL EQUIPMENT R180W-9A

Beacon lamp

Safety lock valve for arm cylinder

Single-acting piping kit (breaker, etc.)

Quick coupler

Boom

5.1 m; 16'9" - hydraulic adjustable

Arms

2.2 m: 7' 3'

3.1 m; 10′ 2″ - not for hydraulic adjustable boom

Cabin FOPS/FOG (ISO/DIS 10262 Level II)

FOPS (Falling Object Protective Structure)

FOG (Falling Object Guard)

Cabin roof-steel cove

Cabin guard front

Wire net

Fine net

Cabin lights

Undercarriage

Rear outriggers Rear dozer blade and front outriggers

Rear and front outriggers

Rear outriggers and front dozer blade

Additional lower frame - reinforced under cover

Adjustable air suspension seat with heater

Dual tires - solid (10.00 - 20) Fenders (Mudguards)

Pattern change valve (2 patterns)

- 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.

