Robex

140W-9A

With Tier 4 Interim Engine installed

MOVING YOU FURTHER

HYUNDAI HEAVY INDUSTRIES

PRIDE AT WORK

Hyundai Heavy Industries strives to build state-of-the art earthmoving equipment to give every operator maximum performance, optimal controllability, versatile machine settings and proven technology.

Be proud of your work with Hyundai!

*Photo may include optional equipment.

Robex 140W-9A

Machine Walk-Around

Engine Technology

Proven, reliable, fuel efficient, low emission and low noise
Cummins Tier 4 Interim & EU Stage III B engine.

Hydraulic System Improvements

New patented hydraulic control for improved controllability / Improved control valve design for added efficiency and smoother operation / New auto boom and swing priority system for optimum speed / New auto power boost feature for additional power when needed / Improved arm-in and boom-down flow regeneration system for added speed and efficiency

Pump Compartment

Industry-leading, powerful, reliable Kawasaki designed, variable volume in-line axial piston pumps
New compact solenoid block equipped with 3 solenoid valves, 1 EPPR valve, 1 check valve accumulator and pilot filter - controls 2 speed travel, power boost, boom priority, safety lock

Enhanced Operators' Cab

Improved Visibility
Enlarged cab with improved visibility / See-through upper skylight for visibility and ventilation
Larger right-side glass, now one piece, for better right visibility
Safety glass windows on all sides - less expensive than (polycarbonate) and won't scratch or fade
Closeable sunshade for operator convenience / Reduced front window seam for improved operator view

Rigid Cabin Construction
New steel tube construction for added operator safety, protection and durability
New window open/close mechanism designed with cable and spring lift assist and single latch release

Improved Seat & Console
Ergonomic joysticks with auxiliary control buttons for attachment use. Now with new sleek styling
Heated suspension (option) or air ride suspension (standard) with heat
New joystick consoles - now adjustable in height by pushing the button
Integrated seat with consoles - reduce the operator fatigue

Advanced 7" Color Cluster with Touch Screen
New Color LCD Display with easy to read digital gauges for hydraulic oil temperature, water temperature, and fuel. Simplified design makes adjustment and diagnostics easier. Also, new enhanced features such as rear-view camera are integrated into monitor.
3 power modes : (P) Power, (S) Standard, (E) Economy, 2 work modes : Dig & Attachment, (U) User mode for operator preference
Enhanced self-diagnostic features with GPS download capability
One pump flow or two pump flow for optional attachment is now selectable through the cluster
New anti-theft system with password capability
Boom speed and arm regeneration are selectable through the monitor.
Auto power boost is now available - selectable (on/off) through the monitor.
Powerful air conditioning and heat with auto climate control
RMS (Remote Management System) works through GPS/satellite technology to ultimately provide better customer service and support.

Improved Steering Column

Slim-profile steering column capable of telescoping 60 mm and tilting 30 degrees

Specifications R140W-9A

ENGINE

MODEL		CUMMINS QSB6.7
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)	146 HP (109 kW) / 2,100 rpm
	J1349 (net)	136 HP (101 kW) / 2,100 rpm
DIN	6271/1 (gross)	148 PS (109 kW) / 2,100 rpm
	6271/1 (net)	138 PS (101 kW) / 2,100 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 displacement		6,700 cc (409 in^3)
Batteries		2 x 12 V x 100 AH
Starting motor		24 V - 4.8 kW
Alternator		24 V - 95 Amp

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Two variable displacement piston pumps
Max. flow	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 system	
HYDRAULIC MOTORS	
Travel	Bent - axis pistons motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake
RELIEF VALVE SETTING	
Implement circuits	350 kgf/cm^2 (4,970 psi)
Travel	380 kgf/cm^2 (5,400 psi)
Power boost (boom, arm, bucket)	380 kgf/cm^2 (5,400 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 : 2-105 x 1075 mm (4.1″ x 42.3″)
	Arm : 1-115 x 1138 mm (4.5″ x 46.8″)
	Bucket : 1-100 x 840 mm (3.9″ x 33.1″)
	Blade : 2-100 x 236 mm (3.9″ x 9.3″)
	Outrigger : 2-110 x 446 mm (4.9″ x 18.7″)
	2-PCS boom : 2-105 x 975mm (4.1″ x 38.4″)
	Adjust (boom) : 1-145 x 613mm (5.7″ x 24.1″)

DRIVES & BRAKES

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

Max. drawbar pull		8,500 kgf (18,740 lbf)
Travel speed	1st	10 km/h
	2nd	39 km/h
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 automatically locked at neutral position for parking.

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
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 ocillation. It can be locked by oscillation lock cylinders. Rear axle is fixed on the lower chassis.

Tires	9.00 - 20 - 14PR, Dual (tube type)
(optional)	9.00 - 20, Dual (solid type)
	10.00 - 20 - 14PR, Dual (tube type)

SWING SYSTEM

Swing motor	Fixed displacement axial pistons motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	11.7 rpm

STEERING SYSTEM

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

Min. turning radius	6.3 m (20′ 8″)

COOLANT & LUBRICANT CAPACITY

		liter	US gal	UK gal
Re-filling				
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		2.5	0.7	0.5
Axle	Front	13.8	3.65	3.04
	Rear	16.1	4.3	3.5
Hydraulic system (including tank)		210	55.5	46.2
Hydraulic tank		124	32.8	27.3

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 stabillity when digging and lifting. Can be mounted on the front / or the rear.

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 4,600 mm (15′ 1″) One-piece boom, 2,100 mm (6′ 11″) arm, SAE heaped 0.58 m^3 (0.76 yd^3) backhoe bucket, lubricant, coolant, full fuel tank, full hydraulic tank and all standard equipments.

MAJOR COMPONENT WEIGHT	
Upperstructure	4,680 kg (10,320 lb)
Mono boom (with arm cylinder)	1,030 kg (2,270 lb)
Hydraulic adjustable boom (with adjust cylinder and arm cylinder)	1,430 kg (3,150 lb)

OPERATING WEIGHT		
Undercarriage	Mono boom	Hyd. adjustable boom
Rear dozer blade	13,700 kg (30,200 lb)	14,100 kg (31,090 lb)
Rear outrigger	14,100 kg (31,090 lb)	14,500 kg (31,970 lb)
Front outrigger and rear blade	14,700 kg (32,410 lb)	15,100 kg (33,290 lb)
Front blade and rear outrigger	14,700 kg (32,410 lb)	15,100 kg (33,290 lb)
Four outrigger	15,100 kg (33,290 lb)	15,500 kg (34,170 lb)

BUCKETS R140W-9A

All buckets are welded with high-strength steel.

0.23 (0.30) | 0.40 (0.52) 0.46 (0.60) | 0.52 (0.68) 0.58 (0.76) | 0.65 (0.85) | 0.71 (0.93) | ▣ 0.45 (0.59) | ⦿ 0.55 (0.72)

SAE heaped m³ (yd³)

Capacity m³ (yd³)		Width mm (in)		Weight kg (lb)	Recommendation m (ft.in)						
					4.6 (15′ 1″) Boom				4.9 (16′ 1″) Boom		
SAE heaped	CECE heaped	Without side cutters	With side cutters		1.9 (6′ 3″) Arm	2.1 (6′ 11″) Arm	2.5 (8′ 2″) Arm	3.0 (9′ 10″) Arm	1.9 (6′ 3″) Arm	2.1 (6′ 11″) Arm	2.5 (8′ 2″) Arm
0.23 (0.30)	0.20 (0.26)	520 (20.5)	620 (24.4)	335 (740)	●	●	●	●	●	●	●
0.40 (0.52)	0.35 (0.46)	750 (29.5)	850 (33.5)	410 (900)	●	●	●	●	●	●	●
0.46 (0.60)	0.40 (0.52)	840 (33.1)	940 (37.0)	435 (960)	●	●	●	■	●	●	■
0.52 (0.68)	0.45 (0.59)	915 (36.0)	1,015 (40.0)	460 (1,010)	●	●	■	▲	●	■	■
0.58 (0.76)	0.50 (0.65)	1,000 (39.4)	1,100 (43.3)	480 (1,060)	●	■	■	▲	■	▲	▲
0.65 (0.85)	0.55 (0.72)	1,105 (43.5)	1,205 (47.4)	500 (1,100)	■	▲	▲	–	▲	▲	–
0.71 (0.93)	0.60 (0.78)	1,190 (46.9)	1,290 (50.8)	540 (1,190)	▲	▲	–	–	▲	–	–
▣ 0.45 (0.59)	0.40 (0.52)	1,520 (59.8)	1,620 (63.8)	410 (900)	●	●	■	–	■	■	▲
⦿ 0.55 (0.72)	0.45 (0.59)	1,800 (70.9)	1,900 (74.8)	585 (1,290)	■	▲	▲	–	■	▲	▲

▣ Ditching bucket
⦿ Slope finishing 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 R140W-9A

Booms and arms are welded, a low-stress, full-box section design.
4.6 m (15′ 1″) & 4.9 m (16′ 1″) booms and 1.9 m (6′ 3″); 2.1 m (6′ 11″); 2.5 m (8′ 2″) & 3.0 m (9′ 10″) arms are available.

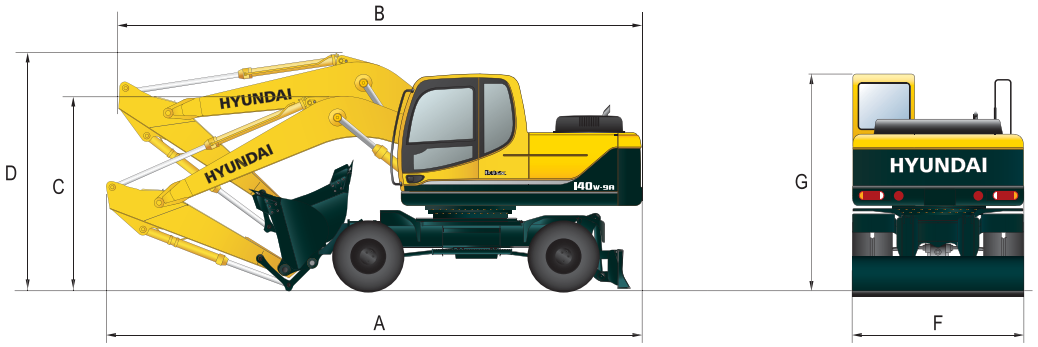
DIGGING FORCE R140W-9A

Boom	Length	mm (ft·in)	4,600 (15′ 1″)				Remarks
	Weight	kg (lb)	1,030 (2,270)				
Arm	Length	mm (ft·in)	1,900 (6′ 3″)	2,100 (6′ 11″)	2,500 (8′ 2″)	3,000 (9′ 10″)	
	Weight	kg (lb)	560 (1,230)	580 (1,280)	610 (1,340)	670 (1,480)	
Bucket digging force	SAE	kN	87.3 [94.8]	87.3 [94.8]	87.3 [94.8]	87.3 [94.8]	[ ]: Power Boost
		kgf	8,900 [9,660]	8,900 [9,660]	8,900 [9,660]	8,900 [9,660]	
		lbf	19,620 [21,300]	19,620 [21,300]	19,620 [21,300]	19,620 [21,300]	
	ISO	kN	102 [110.8]	102 [110.8]	102 [110.8]	102 [110.8]	
		kgf	10,400 [11,290]	10,400 [11,290]	10,400 [11,290]	10,400 [11,290]	
		lbf	22,930 [24,890]	22,930 [24,890]	22,930 [24,890]	22,930 [24,890]	
Arm crowd force	SAE	kN	76.5 [83.1]	73.6 [79.9]	62.8 [68.2]	55.9 [60.7]	
		kgf	7,800 [8,470]	7,500 [8,140]	6,400 [6,950]	5,700 [6,190]	
		lbf	17,200 [18,670]	16,530 [17,950]	14,110 [15,320]	12,570 [13,640]	
	ISO	kN	80.4 [87.3]	77.5 [84.1]	65.7 [71.4]	57.9 [62.8]	
		kgf	8,200 [8,900]	7,900 [8,580]	6,700 [7,270]	5,900 [6,410]	
		lbf	18,080 [19,630]	17,420 [18,910]	14,770 [16,040]	13,010 [14,120]	

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

Dimensions & Working Ranges

DIMENSIONS R140W-9A

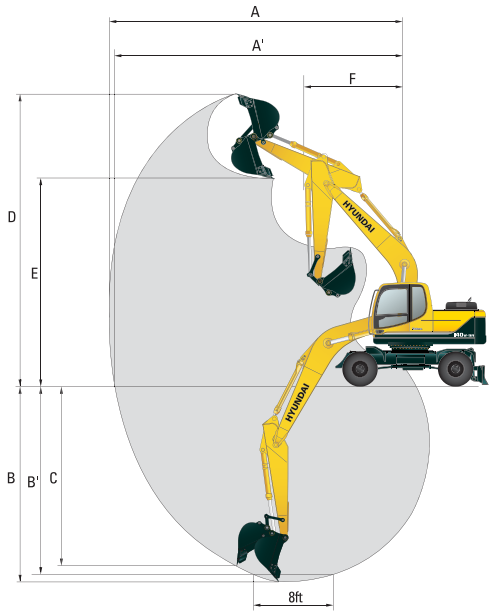


mm (ft · in)

	Mono Boom	4,600 (15′1″)			
	Arm	1,900 (6′3″)	2,100 (6′11″)	2,500 (8′2″)	3,000 (9′10″)
A	Overall length of shipping position	7,760 (25′6″)	7,820 (25′8″)	7,770 (25′6″)	7,830 (25′8″)
B	Overall length of traveling position	7,750 (25′5″)	7,760 (25′6″)	7,690 (25′3″)	7,710 (25′4″)
C	Height of attachment (shipping position)	2,760 (9′1″)	2,860 (9′5″)	2,810 (9′3″)	3,100 (10′2″)
D	Height of attachment (traveling position)	3,500 (11′6″)	3,500 (11′6″)	3,620 (11′11″)	3,600 (11′10″)
F	Overall witdh	2,500 (8′2″)	2,500 (8′2″)	2,500 (8′2″)	2,500 (8′2″)
G	Height of cabin	3,140 (10′4″)	3,140 (10′4″)	3,140 (10′4″)	3,140 (10′4″)

WORKING RANGES R140W-9A

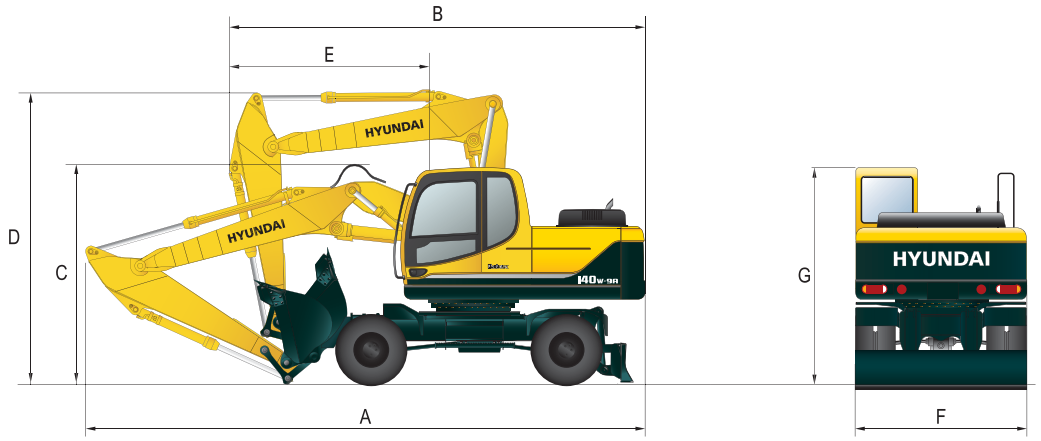
mm (ft · in)



	Boom length	4,600 (15′1″)			
	Arm length	1,900 (6′3″)	2,100 (6′11″)	2,500 (8′2″)	3,000 (9′10″)
A	Max. digging reach	7,750 (25′5″)	7,920 (26′0″)	8,320 (27′4″)	8,780 (28′10″)
A′	Max. digging reach on ground	7,530 (24′8″)	7,700 (25′3″)	8120 (26′8″)	8,590 (28′2″)
B	Max. digging depth	4,650 (15′3″)	4,850 (15′11″)	5,250 (17′3″)	5,750 (18′10″)
B′	Max. digging depth (8′level)	4,390 (14′5″)	4,600 (15′1″)	5,040 (16′6″)	5,570 (18′3″)
C	Max. vertical wall digging depth	4,350 (14′3″)	4,460 (14′8″)	5,030 (16′6″)	5,550 (18′3″)
D	Max. digging height	8,400 (27′7″)	8,470 (27′9″)	8,790 (28′10″)	9,070 (29′9″)
E	Max. dumping height	5,960 (19′7″)	6,040 (19′10″)	6,350 (20′10″)	6,620 (21′9″)
F	Min. front swing radius	2,620 (8′7″)	2,670 (8′10″)	2,650 (8′8″)	2,670 (8′9″)

Dimensions & Working Ranges

DIMENSIONS R140W-9A ADJUSTABLE BOOM

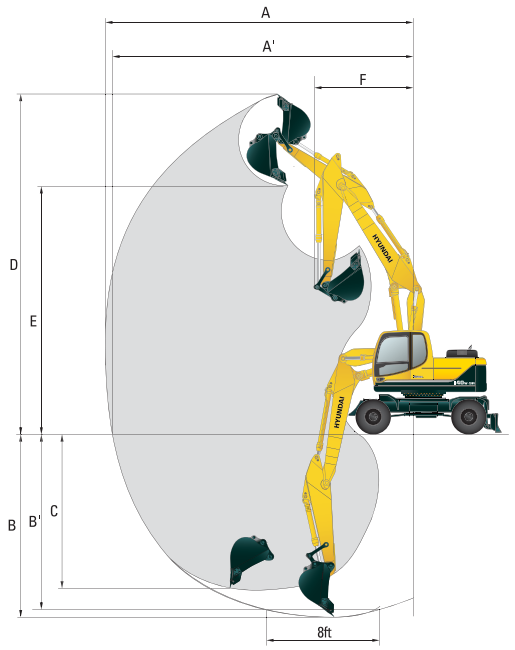


mm (ft · in)

	Hydraulic adjustable boom	4,900 (16′ 1″)		
	Arm	1,900 (6′ 3″)	2,100 (6′ 11″)	2,500 (8′ 2″)
A	Overall length of shipping position	8,140 (26′ 8″)	8,170 (26′ 10″)	8,150 (26′ 9″)
B	Overall length of traveling position	6,090 (19′ 12″)	6,110 (20′ 1″)	6,130 (20′ 1″)
C	Height of attachment (shipping position)	2,960 (9′ 9″)	3,060 (10′ 0″)	3,070 (10′ 1″)
D	Height of attachment (traveling position)	3,980 (13′ 1″)	3,980 (13′ 1″)	3,980 (13′ 1″)
E	End of attachment to steering wheel	2,950 (9′ 8″)	2,970 (9′ 9″)	2,990 (9′ 10″)
F	Overall width	2,500 (8′ 2″)	2,500 (8′ 2″)	2,500 (8′ 2″)
G	Height of cabin	3,140 (10′ 4″)	3,140 (10′ 4″)	3,140 (10′ 4″)

WORKING RANGES R140W-9A ADJUSTABLE BOOM

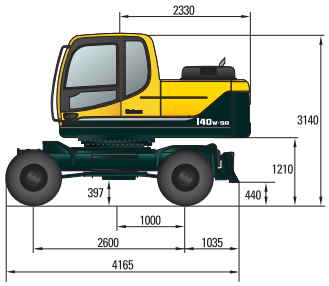
mm (ft · in)

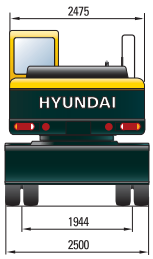


	Boom length	4,900 (16′ 1″)		
	Arm length	1,900 (6′ 3″)	2,100 (6′ 11″)	2,500 (8′ 2″)
A	Max. digging reach	8,140 (26′ 8″)	8,310 (27′ 3″)	8,720 (28′ 7″)
A′	Max. digging reach on ground	7,930 (26′ 0″)	8110 (26′ 7″)	8,530 (28′ 0″)
B	Max. digging depth	4,810 (15′ 9″)	5,010 (16′ 5″)	5,410 (17′ 9″)
B′	Max. digging depth (8′ level)	4700 (15′ 5″)	4,890 (16′ 1″)	5,310 (17′ 5″)
C	Max. vertical wall digging depth	4,190 (13′ 9″)	4,360 (14′ 4″)	4,820 (15′ 10″)
D	Max. digging height	9,100 (29′ 10″)	9,180 (30′ 1″)	9,560 (31′ 4″)
E	Max. dumping height	6,620 (21′ 9″)	6,700 (22′ 0″)	7,070 (23′ 2″)
F	Min. front swing radius	2,660 (8′ 9″)	2,820 (9′ 3″)	2,690 (8′ 10″)

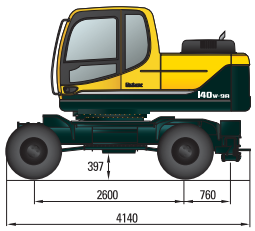
Undercarriage

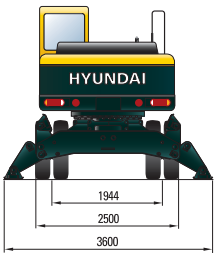
R140W-9A WITH REAR DOZER



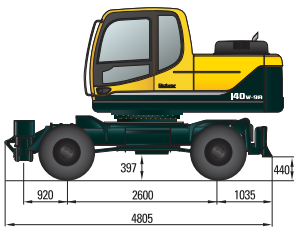


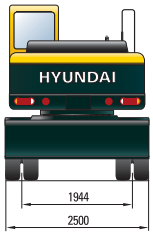
R140W-9A WITH REAR OUTRIGGER



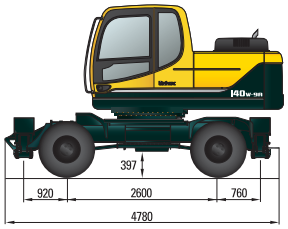


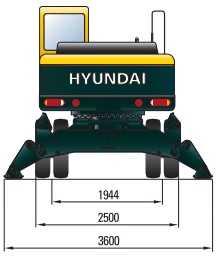
R140W-9A WITH REAR DOZER AND FRONT OUTRIGGER



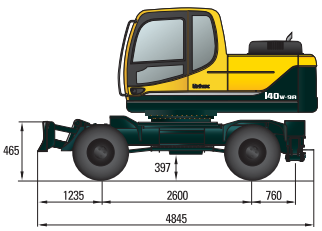


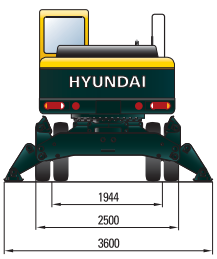
R140W-9A WITH REAR AND FRONT OUTRIGGER





R140W-9A WITH REAR OUTRIGGER AND FRONT DOZER





Lifting Capacities

R140W-9A MONO BOOM

Rating over-front Rating over-side or 360 degrees

Boom : 4.6 m (15' 1") / Arm : 1.9 m (6' 3") / Bucket : 0.58 m³ (0.76 yd³) SAE heaped / With rear dozer blade down

Load point height m (ft)		Load radius								At max. reach		
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		Capacity		Reach
												m (ft)
6.0 m	kg					*3350	*3350			*3200	2080	6.22
(20.0 ft)	lb					*7390	*7390			*7050	4590	(20.4)
4.5 m	kg					*3740	3550	*2860	2120	*3310	1610	7.05
(15.0 ft)	lb					*8250	7830	*6310	4670	*7300	3550	(23.1)
3.0 m	kg			*7070	6400	*4710	3330	*3900	2050	3370	1420	7.42
(10.0 ft)	lb			*15590	14110	*10380	7340	*8600	4520	7430	3130	(24.3)
1.5 m	kg			*7620	5740	*5750	3090	*4340	1960	3320	1380	7.42
(5.0 ft)	lb			*16800	12650	*12680	6810	*9570	4320	7320	3040	(24.3)
Ground	kg			*8960	5590	*6340	2940	*4600	1890	3590	1480	7.06
Line	lb			*19750	12320	*13980	6480	*10140	4170	7910	3260	(23.2)
-1.5 m	kg	*7690	*7690	*9450	5620	*6250	2920			*3860	1830	6.24
(-5.0 ft)	lb	*16950	*16950	*20830	12390	*13780	6440			*8510	4030	(20.5)
-3.0 m	kg			*7750	5800	*5020	3030					
(-10.0 ft)	lb			*17090	12790	*11070	6680					

Boom : 4.6 m (15' 1") / Arm : 2.1 m (6' 11") / Bucket : 0.58 m³ (0.76 yd³) SAE heaped / With rear dozer blade down

Load point height m (ft)		Load radius								At max. reach		
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		Capacity		Reach
												m (ft)
6.0 m	kg					*3130	*3130			*3050	1950	6.43
(20.0 ft)	lb					*6900	*6900			*6720	4300	(21.1)
4.5 m	kg					*3540	*3540	*3210	2120	*3160	1520	7.23
(15.0 ft)	lb					*7800	*7800	*7080	4670	*6970	3350	(23.7)
3.0 m	kg			*6620	6450	*4510	3310	*3770	2040	3230	1340	7.59
(10.0 ft)	lb			*14590	14220	*9940	7300	*8310	4500	7120	2950	(24.9)
1.5 m	kg			*8650	5730	*5580	3060	*4230	1930	3180	1300	7.59
(5.0 ft)	lb			*19070	12630	*12300	6750	*9330	4250	7010	2870	(24.9)
Ground	kg			*9090	5510	*6240	2900	*4540	1860	3420	1390	7.24
Line	lb			*20040	12150	*13760	6390	*10010	4100	7540	3060	(23.8)
-1.5 m	kg	*7380	*7380	*9530	5530	*6240	2860			*3760	1700	6.45
(-5.0 ft)	lb	*16270	*16270	*21010	12190	*13760	6310			*8290	3750	(21.2)
-3.0 m	kg	*11710	*11710	*7990	5690	*5240	2950					
(-10.0 ft)	lb	*25820	*25820	*17610	12540	*11550	6500					

Boom : 4.6 m (15' 1") / Arm : 2.5 m (8' 2") / Bucket : 0.58 m³ (0.76 yd³) SAE heaped / With rear dozer blade down

Load point height m (ft)		Load radius								At max. reach		
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		Capacity		Reach
												m (ft)
6.0 m	kg									*2820	1700	6.92
(20.0 ft)	lb									*6220	3750	(22.7)
4.5 m	kg					*3110	*3110	*2980	2150	*2880	1360	7.66
(15.0 ft)	lb					*6860	*6860	*6570	4740	*6350	3000	(25.1)
3.0 m	kg			*5700	*5700	*4110	3360	*3500	2050	*2930	1200	8.00
(10.0 ft)	lb			*12570	*12570	*9060	7410	*7720	4520	*6460	2650	(26.2)
1.5 m	kg			*8610	5850	*5270	3080	*4030	1930	2900	1160	8.00
(5.0 ft)	lb			*18980	12900	*11620	6790	*8880	4250	6390	2560	(26.2)
Ground	kg	*3820	*3820	*9000	5500	*6070	2890	*4430	1830	3090	1240	7.67
Line	lb	*8420	*8420	*19840	12130	*13380	6370	*9770	4030	6810	2730	(25.2)
-1.5 m	kg	*6470	*6470	*9740	5460	*6260	2820	*4470	1800	*3510	1480	6.94
(-5.0 ft)	lb	*14260	*14260	*21470	12040	*13800	6220	*9850	3970	*7740	3260	(22.8)
-3.0 m	kg	*9750	*9750	*8560	5580	*5620	2870			*3480	2150	5.64
(-10.0 ft)	lb	*21500	*21500	*18870	12300	*12390	6330			*7670	4740	(18.5)

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

R140W-9A MONO BOOM

Rating over-front Rating over-side or 360 degrees

Boom : 4.6 m (15' 1") / Arm : 3.0 m (9' 10") / Bucket : 0.58 m³ (0.76 yd³) SAE heaped / With rear dozer blade down

Load point height m (ft)		Load radius										At max. reach		
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity		Reach
														m (ft)
6.0 m	kg							*2100	*2100			*2570	1480	7.46
(20.0 ft)	lb							*4630	*4630			*5670	3260	(24.5)
4.5 m	kg							*2710	2200			*2590	1210	8.14
(15.0 ft)	lb							*5970	4850			*5710	2670	(26.7)
3.0 m	kg					*3580	3450	*3170	2090	*1780	1350	*2640	1080	8.46
(10.0 ft)	lb					*7890	7610	*6990	4610	*3920	2980	*5820	2380	(27.8)
1.5 m	kg			*7700	6080	*4840	3150	*3770	1960	*2190	1290	2640	1040	8.46
(5.0 ft)	lb			*16980	13400	*10670	6940	*8310	4320	*4830	2840	5820	2290	(27.8)
Ground	kg	*3780	*3780	*9530	5580	*5830	2920	*4280	1840	*1820	1250	2780	1100	8.15
Line	lb	*8330	*8330	*21010	12300	*12850	6440	*9440	4060	*4010	2760	6130	2430	(26.7)
-1.5 m	kg	*5830	*5830	*9890	5450	*6250	2810	*4490	1780			3210	1280	7.48
(-5.0 ft)	lb	*12850	*12850	*21800	12020	*13780	6190	*9900	3920			7080	2820	(24.5)
-3.0 m	kg	*8470	*8470	*9150	5500	*5950	2820	*3320	1810			*3390	1750	6.31
(-10.0 ft)	lb	*18670	*18670	*20170	12130	*13120	6220	*7320	3990			*7470	3860	(20.7)
-4.5 m	kg			*6890	5740									
(-15.0 ft)	lb			*15190	12650									

R140W-9A ADJUSTABLE BOOM

Rating over-front Rating over-side or 360 degrees

Boom : 4.9 m (16' 9") / Arm : 1.9 m (6' 3") / Bucket : 0.58 m³ (0.76 yd³) SAE heaped / With rear dozer blade down

Load point height m (ft)		Load radius						At max. reach		
		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		Capacity		Reach
										m (ft)
6.0 m	kg			*2960	*2960			*2910	1790	6.70
(20.0 ft)	lb			*6530	*6530			*6420	3950	(22.0)
4.5 m	kg	*4240	*4240	*3500	*3500	*3230	2110	*3010	1410	7.46
(15.0 ft)	lb	*9350	*9350	*7720	*7720	*7120	4650	*6640	3110	(24.5)
3.0 m	kg			*4520	3250	*3630	2020	3080	1250	7.81
(10.0 ft)	lb			*9960	7170	*8000	4450	6790	2760	(25.6)
1.5 m	kg			*5550	2980	*4110	1900	3040	1220	7.81
(5.0 ft)	lb			*12240	6570	*9060	4190	6700	2690	(25.6)
Ground	kg	*6150	5410	*6150	2840	*4450	1830	3260	1310	7.47
Line	lb	*13560	11930	*13560	6260	*9810	4030	7190	2890	(24.5)
-1.5 m	kg	*9320	5480	*6170	2820	*4410	1820	*3580	1590	6.72
(-5.0 ft)	lb	*20550	12080	*13600	6220	*9720	4010	*7890	3510	(22.0)
-3.0 m	kg			*5400	2920					
(-10.0 ft)	lb			*11900	6440					

Boom : 4.9 m (16' 9") / Arm : 2.1 m (6' 11") / Bucket : 0.58 m³ (0.76 yd³) SAE heaped / With rear dozer blade down

Load point height m (ft)		Load radius						At max. reach		
		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		Capacity		Reach
										m (ft)
6.0 m	kg			*2770	*2770			*2780	1680	6.91
(20.0 ft)	lb			*6110	*6110			*6130	3700	(22.7)
4.5 m	kg			*3300	*3300	*3090	2110	*2880	1330	7.65
(15.0 ft)	lb			*7280	*7280	*6810	4650	*6350	2930	(25.1)
3.0 m	kg			*4320	3240	*3500	2000	2950	1180	7.99
(10.0 ft)	lb			*9520	7140	*7720	4410	6500	2600	(26.2)
1.5 m	kg			*5380	2950	*4000	1870	2910	1140	7.99
(5.0 ft)	lb			*11860	6500	*8820	4120	6420	2510	(26.2)
Ground	kg	*6320	5320	*6040	2790	*4370	1790	3110	1220	7.66
Line	lb	*13930	11730	*13320	6150	*9630	3950	6860	2690	(25.1)
-1.5 m	kg	*9370	5370	*6140	2760	*4400	1770	*3480	1470	6.93
(-5.0 ft)	lb	*20660	11840	*13540	6080	*9700	3900	*7670	3240	(22.7)
-3.0 m	kg			*5500	2840					
(-10.0 ft)	lb			*12130	6260					

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3. The load point is a hook located on the back of the bucket.
4. (*) indicates the load limited by hydraulic capacity.

Lifting Capacities

R140W-9A ADJUSTABLE BOOM

Rating over-front Rating over-side or 360 degrees

Boom : 4.9 m (16′ 9″) / Arm : 2.5 m (8′ 2″) / Bucket : 0.58 m³ (0.76 yd³) SAE heaped / With rear dozer blade down

Load point height m (ft)		Load radius								At max. reach		
		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity		Reach
												m (ft)
6.0 m	kg					*2560	2180			*2580	1470	7.39
(20.0 ft)	lb					*5640	4810			*5690	3240	(24.2)
4.5 m	kg			*2900	*2900	*2800	2140			*2680	1180	8.08
(15.0 ft)	lb			*6390	*6390	*6170	4720			*5910	2600	(26.5)
3.0 m	kg	*5850	*5850	*3940	3290	*3250	2010	*2020	1300	2700	1050	8.40
(10.0 ft)	lb	*12900	*12900	*8690	7250	*7170	4430	*4450	2870	5950	2310	(27.6)
1.5 m	kg	*6100	5580	*5080	2980	*3800	1870	*2540	1250	2660	1020	8.40
(5.0 ft)	lb	*13450	12300	*11200	6570	*8380	4120	*5600	2760	5860	2250	(27.6)
Ground	kg	*6370	5300	*5870	2780	*4240	1770			2820	1080	8.09
Line	lb	*14040	11680	*12940	6130	*9350	3900			6220	2380	(26.5)
-1.5 m	kg	*9040	5290	*6120	2720	*4400	1730			*3240	1280	7.41
(-5.0 ft)	lb	*19930	11660	*13490	6000	*9700	3810			*7140	2820	(24.3)
-3.0 m	kg	*8660	5430	*5730	2770							
(-10.0 ft)	lb	*19090	11970	*12630	6110							

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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 R140W-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
- Transparent cabin roof-cover
- Radio / MP3 Player with remote control and USB-input
- Handsfree mobile phone system with USB-charging device, Bluetooth, Radio cable-Handsfree
- Sun visor

Computer aided power optimization (CAPO) system
- 3-power modes, 3-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/Accel.
- 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

Door and cab locks, one key

Two outside rearview mirrors

Fully adjustable suspension seat with seat belt

Adjustable air suspension seat with heater

Adjustable joysticks

Console box tilting system

Two frontal working lights

Electric horn

Batteries (2 x 12V x 100 AH)

Battery master switch

Removable clean-out screen for cooler

Automatic swing brake

Fuel pre-filter with fuel warmer

Boom holding system

Arm holding system

Accumulator for lowering work equipment

Electric transducer

Lower frame under cover

Viscous fan clutch

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

Dual tires (10.00-20-14PR)

Travel alarm

OPTIONAL EQUIPMENT R140W-9A

Fuel filler pump (35 ℓ/min)

Beacon lamp

Safety lock valve for boom cylinder with overload warning device

Safety lock valve for arm cylinder

Single-acting piping kit (breaker, etc.)

Double-acting piping kit (clamshell, etc.)

Quick coupler

12 volt power outlet (24V DC to 12V DC converter)

Boom
- Mono boom : 4.6 m; 15′ 1″
- Hydraulic adjustable Boom : 4.9 m; 16′ 11″

Arm
- 1.9 m; 6′ 3″
- 2.1 m; 6′ 11″
- 2.5 m; 8′ 2″
- 3.0 m; 9′ 10″

Cabin FOPS/FOG (ISO/DIS 10262 Level II)
- FOPS (Falling Object Protective Structure)
- FOG (Falling Object Guard)

Cabin ROPS (ISO 12117-2)

Cabin roof-steel cover

Cabin front guard-wire net

Cabin lights

Cabin rain guard - front window

Undercarriage
- Rear outriggers
- Rear dozer and front outriggers
- Rear and front outriggers
- Rear outriggers and front dozer

Additional lower frame - reinforced under cover

Tool kit

Rearview camera

Seat
- Adjustable air suspension
- Mechanical suspension seat with heater
- Mechanical suspension with heater

Dual tires - solid (9.00 - 20)

Dual tires - solid (10.00 - 20 - 14P lube type)

Pattern change valve (2 patterns)

Hi-mate (Remote Management System)

Smart key

* 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

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