SPECIFICATIONS HW140

Tier 4 Final Engine

Net Power SAE J1349 / 149 HP (111 kW) at 2,150 rpm Bucket Range 0.23 m³ - 0.71 m³ 0.30 yd³ - 0.93 yd³ Standard Bucket 0.58 m³ (0.76 yd³) Operating Weight 13,880 kg (30,600 lb)

ENGINE	
Maker / Model	Cummins QSB 6.7
Туре	Water-cooled, 4-cycle diesel, 6-cylinder in-line, Direct injection, Turbocharged, Charge air cooled, Low emission
Rated flywheel SAF J1995 (gross)	157 HP (117 kW) at 2,150 rpm
horse power J1349 (net)	149 HP (111 kW) at 2,150 rpm
Max. torque	68.5 kgf.m (496 lbf.ft) at 1,500 rpm
Bore × stroke	107 x 124 mm (4.21" x 4.88")
Piston displacement	6,700 cc (409 in ³)
Batteries	2 × 12 V × 100 Ah
Starting motor	24 V - 4.8 kW
Alternator	24 V - 95 Amp

HYDRAULIC SYSTEM

MA	IN	Pυ	IMI	
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Two variable displacement piston pumps	
2 X 172 l/min (45.4 gpm)	
32.31 l/min (8.5 gmp)	

CROSS-SENSING AND FUEL-SAVING PUMP SYSTEM

HYDRAULIC MOTORS

	Bent - axis pistons motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake

RELIEF VALVE SETTING

Implement circuits	400 kgf/cm ² (5,690 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

HYDRAULIC CYLINDERS	
	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 850 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		7,800 kgf (17,200 lbf)	
Travel speed		6.2 mph	
		24.2 mph	
Gradeability		35° (70 %)	

Service Brake

- Independent dual brake, front and rear axle full hydraulic power brake.
- Spring released and hydraulic applied wet type multiple disc brake. Parking Brake :
- Spring applied and hydraulic released wet disc brake type in transmission.

CONTROL

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

Two joysticks with one safety lever
(LH): Swing and arm,
(RH): Boom and bucket (ISO)



OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 4,600 mm (15' 1") mono boom, 2,100 mm (6' 11") arm, SAE heaped 0.58 m³ (0.76 yd³) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

OPERATING WEIGHT

Rear dozer blade	13,880 (30,600)
Rear outrigger	14,280 (31,480)
Front outrigger and rear blade	14,880 (32,800)
Front blade and rear outrigger	14,880 (32,800)
Four outrigger	14,630 (32,250)

SWI		

Swing motor	Fixed displacement axial pistons motor	
Swing reduction	Planetary gear reduction	
Swing bearing lubrication	Grease-bathed	
Swing brake (option)	Multi wet disc	
Swing speed	11.6 rpm	

SERVICE REFILL CAPACITIES

5			
Re-filling		liter	US gal
Fuel tank		270	71.3
Engine coola		19.5	5.2
Engine oil		23.7	6.3
Swing device		3.5 (2.5)	0.92 (0.7)
Aylo		13.8	3.6
AXIE		16.1	4.3
Transmission		2.5	0.7
Hydraulic syste		210	55.5
Hydraulic tank		120	31.7
DEF / AdBlue		27	7.1
			*

UNDERCARRIAGE

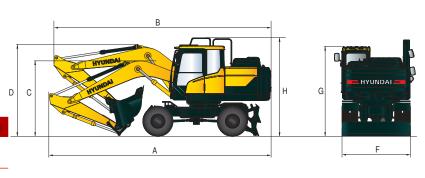
Reinforced box-section frame is all-welded, low-stress. Dozer blade and outriggers are available. A pin-on design.

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

SPECIFICATIONS HW140 Tier 4 Final Engine

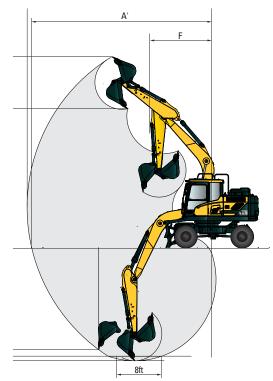
HW140 DIMENSIONS

4.6 m (15' 1") mono boom, 1.9 m (6' 3"), 2.1 m (6' 11"), 2.5 m (8' 2"), 3.0 m (9' 10"), arm, front outrigger and rear dozer blade



4,600 (15′ 1″) Mono							
1,900 (6′ 3″)	2,100 (6′ 11″)	2,500 (8′ 2″)	3,000 (9′ 10″)				
7,760 (25′ 6″)	7,820 (25′ 8″)	7,770 (25′ 6″)	7,830 (25′ 8″)				
7,750 (25′ 5″)	7,760 (25′ 6″)	7,690 (25′ 3″)	7,710 (25′ 4″)				
2,760 (9′ 1″)	2,860 (9′ 5″)	2,810 (9′ 3″)	3,100 (10′ 2″)				
3,500 (11′ 6″)	3,500 (11′ 6″)	3,620 (11′ 11″)	3,600 (11′ 10″)				
2,500 (8′ 2″)	2,500 (8′ 2″)	2,500 (8′ 2″)	2,500 (8′ 2″)				
3,140 (10′ 4″)	3,140 (10′ 4″)	3,140 (10′ 4″)	3,140 (10′ 4″)				
3,390 (11′ 1″)	3,390 (11′ 1″)	3,390 (11′ 1″)	3,390 (11′ 1″)				

HW140 WORKING RANGE				Unit : mm (ft·in					
Boom length	4,600 (15′ 1″) Mono								
	1,900	2,100	2,500	3,000					
	(6′ 3″)	(6′ 11″)	(8′ 2″)	(9' 10")					
	7,750	7,920	8,320	8,780					
	(25′ 5″)	(26' 0")	(27′ 4″)	(28′ 10″)					
	7,530	7,700	8,120	8,590					
	(24′ 8″)	(25′ 3″)	(26′ 8″)	(28′ 2″)					
	4,650	4,850	5,250	5,750					
	(15′ 3″)	(15′ 11″)	(17′ 3″)	(18' 10")					
	4,390	4,600	5,040	5,570					
	(14′ 5″)	(15′ 1″)	(16′ 6″)	(18′ 3″)					
	4,350	4,460	5,030	5,550					
	(14′ 3″)	(14′ 8″)	(16′ 6″)	(18′ 3″)					
	8,400	8,470	8,790	9,070					
	(27′ 7″)	(27′ 9″)	(28′ 10″)	(29′ 9″)					
	5,960	6,040	6,350	6,620					
	(19' 7")	(19′ 10″)	(20' 10")	(21′ 9″)					
	2,620	2,670	2,650	2,670					
	(8′ 7″)	(8' 10")	(8′ 8″)	(8′ 9″)					



GING FORCE						
						3,000 (9′ 10″)
		kN	87.3 [94.8]	87.3 [94.8]	87.3 [94.8]	87.3 [94.8]
	SAE	kgf	8,900 [9,660]	8,900 [9,660]	8,900 [9,660]	8,900 [9,660]
Bucket		lbf	19,620 [21,300]	19,620 [21,300]	19,620 [21,300]	19,620 [21,300]
digging force		kN	102 [110.8]	102 [110.8]	102 [110.8]	102 [110.8]
	ISO	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]
		kN	76.5 [83.1]	73.6 [79.9]	62.8 [68.2]	55.9 [60.7]
	SAE	kgf	7,800 [8,470]	7,500 [8,140]	6,400 [6,950	5,700 [6,190]
Arm		lbf	17,200 [18,670]	16,530 [17,950]	14,110 [15,320]	12,570 [13,640]
crowd force		kN	80.4 [87.3]	77.5 [84.1]	65.7 [71.4]	57.9 [62.8]
	ISO	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: Arm weight includes bucket cylinder, linkage, and pin

SPECIFICATIONS W140

Tier 4 Final Engine

BUCKETS

All buckets are welded with high-strength steel.















SAE heaped m^3 (yd³)

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)

heaped	heaped	side cutters	side cutters		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)	•	•		A	•	•	
0.58 (0.76)	0.50 (0.65)	1,000 (39.4)	1,100 (43.3)	480 (1,060)	•			A	•	A	A
0.65 (0.85)	0.55 (0.72)	1,105 (43.5)	1,205 (47.4)	500 (1,100)	•	A	A	-	A	A	-
0.71 (0.93)	0.60 (0.78)	1,190 (46.9)	1,290 (50.8)	540 (1,190)	A	A	-	-	A	-	-
0.45 (0.59)	0.40 (0.52)	1,520 (59.8)	-	410 (900)	•	•	•	-	•		A
0.55 (0.72)	0.45 (0.59)	1,800 (70.9)	-	585 (1,290)	•	A	A	-	•	A	A

- Ditching bucket
- Slope finishing bucket

- : Applicable for materials with density of 2,000 kgf/m³ (3,370 lbf/yd³) or less
- : Applicable for materials with density of 1,600 kgf/m³ (2,700 lbf/yd³) or less
- ▲: Applicable for materials with density of 1,100 kgf/m³ (1,850 lbf/yd³) or less

Lifting Capacity

Boom: 4,600 mm (15') Arm: 2,100 mm (6'8")

Bucket: 0.70 m³ (0.92 yd³) SAE heaped

CWT 2,200 kg (4,850 lb)

Capacities based on North American Standard Configuration in accordance with ISO condition 2 standard.

> Rating over front Rating over side or 360 degree

										At max. reach			
Lift-point height		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach	
m (ft)		ł		F				Ŧ		F			
6.0 m						*3,870	*3,870			*3,400	*3,400	5.17	
(20 ft)						*8,530	*8,530			*7,500	*7,500	(17.0)	
4.5 m						*4,230	*4,230	*3,740	3,710	*3,200	*3,200	6.10	
(15 ft)						*9,330	*9,330	*8,250	8,180	*7,050	*7,050	(20.0)	
3.0 m						*5,200	*5,200	*4,340	3,650	*3,240	3,170	6.57	
(10 ft)						*11,460	*11,460	*9,570	8,050	*7,140	6,990	(21.5)	
1.5 m						*6,220	5,480	*4,750	3,560	*3,480	3,050	6.66	
(5 ft)						*13,710	12,080	*10,470	7,850	*7,670	6,720	(21.8)	
Ground													
Line				*14,990	*14,990	*14,860	11,790	*10,960	7,720	*8,880	7,050	(21.0)	
-1.5 m		*6,280	*6,280	*9,720	*9,720	*6,560	5,330			*4,860	3,740	5.74	
(-5 ft)		*13,850	*13,850	*21,430	*21,430	*14,460	11,750			*10,710	8,250	(18.8)	
-3.0 m				*7,820	*7,820	*5,030	*5,030			*5,020	*5,020	4.50	
(-10 ft)	lb			*17,240	*17,240	*11,090	*11,090			*11,070	*11,070	(14.8)	

- 1. Lifting capacities are based on ISO 10567.
- 2. Lifting capacities for the HX series do not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- 3. The lift-point is the bucket pivot mounting pin on the arm (without bucket mass).
- 4. (*) indicates load limited by hydraulic capacity.

SPECIFICATIONS HW140

Tier 4 Final Engine

3-power mode, 2-work mode, user mode Variable Power Control Pump Flow Control Attachment Mode Flow Control Engine Auto Idle Engine Auto Shutdown Control Electronic Fan Control AB & INTERIOR STD AB & INTERIOR AD A INTERIOR AB & INTERIOR AB & INTERIOR AD A INTERIOR AD	NGINE	STD	ОРТ
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- * 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.

CAB & INTERIOR		STD	OPT
Seat Adjustable air suspension seat with heater		•	
Cabin FOPS/FOG			
FOPS (Falling Object Protective Structures)	ISO 3449 Level 2		•
FOG (Falling Object Guard)			•
ROPS (Roll Over Protective Structures)		•	
SAFETY			OB:
		STD	OP.
Battery master switch Rearview camera		•	_
AAVM (Advanced Around View Monitoring)	1		•
Four front working lights (2 boom mounted		•	_
Travel alarm	, =,	•	
Rear work lamp			•
Beacon lamp			•
Automatic swing brake		•	
Boom holding system		•	
Arm holding system	1 1 1 1	•	
Safety lock valve for boom cylinder with overlo	oad warning device		•
Safety lock valve for arm cylinder Swing lock system			•
Four outside rearview mirror		•	_
			0.5
OTHER		STD	OP
Booms			
4.6 m, 15' 1" Mono		•	
4.9 m, 16' 1" 2-Piece			•
4.1 m, 13' 5"			•
1.9 m, 6' 3"			•
2.1 m, 6' 11"		•	
2.5 m, 8' 2"			•
3.0 m, 9' 11"			•
Removable clean-out dust net for cooler		•	
Removable reservoir tank		•	
Fuel pre-filter		•	
Fuel warmer	single	•	
Colf diagnostics quators	dual	_	•
Self-diagnostics system	Mobile	•	•
Hi-mate Remote Management System	Satellite		•
Batteries (2 x 12V x 100 AH)	Sateme	•	
Fuel filler pump (35 l/min)			•
Single-acting piping kit (breaker, etc.)			•
Double-acting piping kit (clamshell, etc.)			•
Rotating piping kit			•
Quick coupler piping			•
Quick coupler			•
Accumulator for lowering work equipment Pattern change valve (2 patterns)		•	_
Fattern change valve (2 patterns) Fine swing control system			•
Tool kit			•
Auto cruiser system		•	<u> </u>
Travel pedal (2way)			•
UNDERCARRIAGE		STD	OP
		STD	Οř
Rear-dozer blade		•	•
Front outrigger and rear blade Front and rear outrigger			•
Front blade and rear outrigger			•
Tires-dual (10.00-20-14PR tube)		•	
Tires-dual (10.00-20 solid)			•
Fondore (mudaunarda)			_

- * Materials and specifications are subject to change without advance notice.
- * All imperial measurements rounded off to the nearest pound or inch.

HYUNDAI **CONSTRUCTION EQUIPMENT**

www.hceamericas.com 6100 Atlantic Blvd., Norcross, GA 30071 TEL (678) 823 7777 FAX (678) 823 7778

PLEASE CONTACT

Fenders (mudguards)

1053-WE-SP 11/2019v2 Made in the U.S.A.