



# HYUNDAI CONSTRUCTION EQUIPMENT

## HX60A SPECIFICATIONS

**Net Power**  
63 hp (47 kW)  
at 2,400 rpm

**Operating Weight**  
Cabin:  
13,580 lb (6,160 kg)

**Bucket Breakout Force (ISO)**  
9,461 lbf (4,292 kgf)

**Arm Crowd Force (ISO)**  
6,363 lbf (2,886 kgf)

ENGINE		
Model	HYUNDAI DM02VB	
Type	4-cycle, turbocharged, intercooled, electronically controlled diesel engine	
Emissions certification	Tier 4 Final	
Rated Flywheel Horsepower	SAE J1995 (gross)	65.0 hp (48.5 kW) at 2,400 rpm
	J1349 (net)	63.0 hp (47 kW) at 2,400 rpm
Max. torque	183 lb ft (248 Nm) at 1,600 rpm	
Bore × stroke	in (mm) 3.5 × 3.7 (90 × 94)	
Piston displacement	in <sup>3</sup> (cc) 146 (2,392)	
Batteries	12 V, 100Ah	
Starting motor	12 V, 2.5 kW	
Alternator	13.5 V, 90 A	

HYDRAULIC SYSTEM		
MAIN PUMP		
Type	Variable-displacement tandem axial piston pumps	
Max. flow	2 × 16.0 (60.5) at 2,200 rpm	
Sub-pump for pilot circuit (gear pumps)	gpm (ℓ/min) 2 × 14.5 (55) + 9.7 (36.6) + 2.4 (9.0)	
HYDRAULIC MOTORS		
Travel	Two fixed-displacement axial piston motors	
Swing	Fixed-displacement axial piston motor	
RELIEF VALVE SETTING		
Implement circuits	3,130 (220)	
Travel circuit	psi (bar) 4,980 (350)	
Swing circuit	3,280 (230)	
Pilot circuit	430 (30)	
HYDRAULIC CYLINDERS		
Number of cylinders - bore diameter × stroke	in (mm)	Boom cylinder: 1 - 4.3 × 28.1 (110 × 715)
		Arm cylinder: 1 - 3.5 × 33.5 (90 × 850)
		Bucket cylinder: 1 - 3.1 × 26.0 (80 × 660)
		Boom swing cylinder: 1 - 3.7 × 20.7 (95 × 527)
		Dozer blade (STD): 1 - 4.3 × 8.8 (110 × 224)
	Dozer blade (angle): 1 - 4.5 × 8.3 (115 × 212)	
	Angle swing cylinder: 1 - 3.7 × 13.2 (95 × 335)	

COOLANT AND LUBRICANT CAPACITY	
Fuel tank	33.0 (125)
Engine coolant	2.9 (11)
Engine oil	gal (ℓ) 2.3 (8.6)
Final drive (each)	0.3 (1)
Hydraulic tank	18.5 (70)
Hydraulic system (including tank)	31.7 (120)

ENGINE	
Hyundai engine without DPF	●
Double-element air filter	●
Auto-idling system	●
Water separator with filter	●
HYDRAULIC SYSTEM	
Open-center hydraulic system	●
Two-speed travel with auto-shift	●
Angle dozer blade	○
Pressure accumulator	●
Proportional aux. control	●
1-way aux. hydraulic line for breaker	●
2-way aux. hydraulic line for grapple	●
4-way aux. hydraulic line for rotating	○
Diverter valve for 2-way hydraulic	●

CABIN	
ROPS (Roll-Over Protective Structure) ISO 12117-2	●
OPG (Operator Protective Guard) ISO 10262	○
FOG (Falling Object Guard)	○
Heating and air conditioning	●
Travel levers with foot pedals	●
Emergency hammer for exit	●
Power-assisted front window	●
Rearview camera	○
Travel alarm	●
LED beacon lamp	○
7" touchscreen cluster	●
Radio with USB and Bluetooth	●
12 V power socket	●
Pattern change valve switch	●
Side and rear mirrors	●
Cup holder	●
Push start with key fob	○
Horn	●

WORKING EQUIPMENT	
Pattern change valve inside cabin	●
Boom and arm safety lock valves	○
Boom swing function	●
Arm with thumb bracket	●
Long arm option	●
Hyundai quick coupler	●
Quick coupler piping	●
Additional counterweight	●
Overload warning alarm	○
2 LED work lights on boom	●
2 LED work lights on cabin	●
UNDERCARRIAGE	
Rubber track	●
Steel track	○
Roadliner track	○
TELEMATICS	
Hi MATE-Mobile (4G) Type	●

TRAVEL SYSTEM		
Drive method	Fully hydrostatic type	
Drive motor	Two fixed-displacement axial piston motors	
Reduction system	2-stage planetary	
Max. drawbar pull	lbf (kgf) 11,510 (5,221)	
Max. Travel speed	Low	mph 1.4 (2.2)
	High	(km/h) 2.6 (4.2)
Gradeability	35° (70%)	
Parking brake	Automatic, spring applied hydraulic released	

CONTROLS	
Pilot pressure-operated joysticks and pedals with detachable lever provide nearly effortless and fatigueless operation.	
Pilot control	Two joysticks with one safety lever (LH) : Arm and Swing (RH) : Boom and Bucket (ISO)
Traveling and steering	Two levers with pedals
Engine throttle	Electric, dial type

SWING SYSTEM	
Swing motor	Fixed-displacement axial piston motor
Swing reduction	2-stage planetary
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	9.4 rpm

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 springs and sprockets, and rubber track.	
Center frame	X-leg type
Track frame	Pentagonal box type
No. of upper rollers on each side	1
No. of lower rollers on each side	5

OPERATING WEIGHT (APPROXIMATE)		
Operating weight, including 9' 10" (3,000 mm) boom, 6' 3" (1,900 mm) long arm, SAE heaped 0.24 yd <sup>3</sup> (0.18 m <sup>3</sup> ) digging bucket, 1' 4" (400 mm) rubber track, lubricant, coolant, full fuel tank, full hydraulic tank, 960 lb (435 kg) counterweight and all standard equipment.		
Operating weight	lb (kg)	13,580 (6,160)
Ground pressure	psi (kgf/cm <sup>2</sup> )	5.08 (0.36)

● - Standard / ○ - Option

\* Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to international standards.

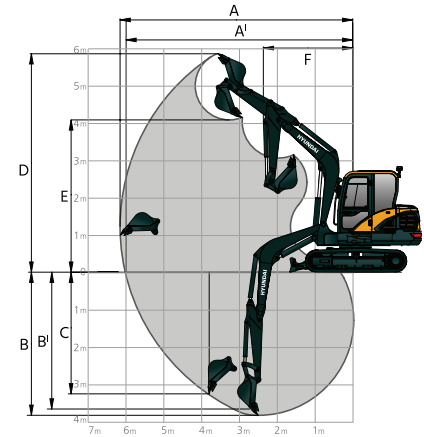
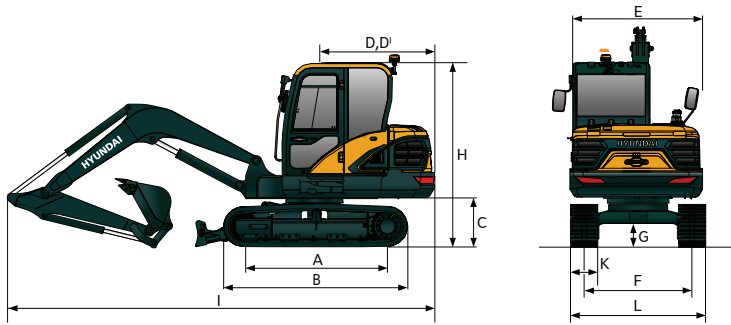
\* The photos may include attachments and optional equipment that are not available in your area.

\* Materials and specifications are subject to change without advance notice.

\* All imperial measurements rounded off to the nearest pound or inch.

# HX60A

## DIMENSIONS & WORKING RANGE



DIMENSIONS		SHORT ARM	LONG ARM
A	Tumbler distance	6' 7" (2,010)	
B	Overall length of crawler	8' 4" (2,544)	
C	Ground clearance of counterweight	2' 3" (687)	
D	Tail swing radius	5' 6" (1,680)	
D'	Rear-end length	5' 6" (1,675)	
E	Overall width of upper structure	6' 1" (1,850)	
F	Track gauge	4' 11" (1,500)	
G	Min. ground clearance	11" (271)	
H	Overall height of cab	8' 6" (2,595)	
	Boom length	9' 10" (3,000)	
	Arm length	5' 3" (1,600)	6' 3" (1,900)
I	Overall length	19' 7" (5,970)	19' 8" (5,995)
K	Track shoe width	16" (400)	

WORKING RANGE		SHORT ARM	LONG ARM
A	Max. digging reach	20' 2" (6,150)	21' 2" (6,450)
A'	Max. digging reach on ground	19' 9" (6,020)	20' 9" (6,320)
B	Max. digging depth	12' 4" (3,770)	13' 4" (4,070)
B'	Max. digging depth (8' level)	11' 1" (3,380)	12' 2" (3,720)
C	Max. vertical wall digging depth	10' 7" (3,230)	11' 10" (3,600)
D	Max. digging height	18' 11" (5,760)	19' 7" (5,980)
E	Max. dumping height	13' 1" (4,000)	13' 10" (4,210)
F	Min. swing radius	7' 10" (2,375)	7' 11" (2,410)

DIGGING FORCE		STD ARM	LONG ARM	
Bucket digging force	SAE	kN	37	
		lbf	8,295	
		kgf	3,763	
	ISO	kN	42	
		lbf	9,461	
		kgf	4,292	
Arm crowd force	SAE	kN	27	24
		lbf	6,126	5,459
		kgf	2,779	2,476
	ISO	kN	28	25
		lbf	6,363	5,646
		kgf	2,886	2,561

Rating over front Rating over side or 360 degree

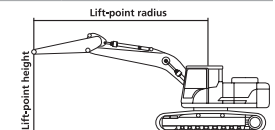
### LIFTING CAPACITY

Boom: 9' 10" (3.0 m), arm: 6' 3" (1.9 m), no bucket, counterweight: 960 lb (435 kg), rubber track : 1' 4" (400 mm), dozer down position

Lift-point height ft (m)	Lift-point radius										At max. reach					
	3.3 ft (1.0 m)		6.6 ft (2.0 m)		9.8 ft (3.0 m)		13.1 ft (4.0 m)		16.4 ft (5.0 m)		Capacity	Reach				
												ft (m)				
16.4 (5.0)	lb										*2,650	*2,650	11.9 (3.64)			
	(kg)										*(1,200)	*(1,200)				
13.1 (4.0)	lb						*2,340	*2,340			*2,380	2,360	15.2 (4.63)			
	(kg)						*(1,060)	*(1,060)			*(1,080)	(1,070)				
9.8 (3.0)	lb						*2,510	*2,510	*2,560	2,090	*2,250	1,960	17.0 (5.19)			
	(kg)						*(1,140)	*(1,140)	*(1,160)	950	*(1,020)	(890)				
6.6 (2.0)	lb						*3,810	*3,810	*3,040	2,870	*2,730	2,050	*2,250	18.0 (5.47)		
	(kg)						*(1,730)	*(1,730)	*(1,380)	(1,300)	*(1,240)	930	*(1,020)		(810)	
3.3 (1.0)	lb						*5,360	4,120	*3,700	2,760	*3,000	2,010	*2,380	18.2 (5.54)		
	(kg)						*(2,430)	(1,870)	*(1,680)	(1,250)	*(1,360)	(910)	*(1,080)		(780)	
0.0	lb						*3,260	*3,260	*6,190	3,970	*4,140	2,650	*3,170	17.7 (5.39)		
	(kg)						*(1,480)	*(1,480)	*(2,810)	(1,800)	*(1,880)	(1,200)	*(1,440)		(880)	*(1,210)
-3.3 (-1.0)	lb	*4,230	*4,230	*5,970	*5,970	*6,220	3,900	*4,230	2,600	*3,040	1,940	*3,040	1,940	16.4 (5.01)		
	(kg)	*(1,920)	*(1,920)	*(2,710)	*(2,710)	*(2,820)	(1,770)	*(1,920)	(1,180)	*(1,380)	(880)	*(1,380)	(880)			
-6.6 (-2.0)	lb	*6,920	*6,920	*8,970	7,580	*5,470	3,950	*3,680	2,620			*3,170	2,380	14.1 (4.31)		
	(kg)	*(3,140)	*(3,140)	*(4,070)	(3,440)	*(2,480)	(1,790)	*(1,670)	(1,190)			*(1,440)	(1,080)			
-9.8 (-3.0)	lb						*5,400	*5,400	*3,150	*3,150		*3,090	*3,090	9.9 (3.02)		
	(kg)						*(2,450)	*(2,450)	*(1,430)	*(1,430)		*(1,400)	*(1,400)			

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

Specifications and features are subject to change without notice.



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