



HX60A SPECIFICATIONS

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

Operating Weight
13,580 lb (6,160 kg)
(cab)

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			
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 N·m) at 1,600 rpm	
Bore x stroke	in (mm)	3.5 x 3.7 (90 x 94)	
Piston displacement	in ³ (cc)	146 (2,392)	
Batteries	V (Ah)	12 (100)	
Starting motor	V (kW)	12 (2.5)	
Alternator	V (Amp)	13.5 (90)	

HYDRAULIC SYSTEM	
MAIN PUMP	
Type	Variable-displacement tandem axial piston pumps
Max. flow	2 x 60.5 lpm (16.0 gpm) at 2,200 rpm
Sub-pump for pilot circuit (gear pumps)	2 x 55 lpm (14.5 gpm) 36.6 lpm (9.7 gpm) + 9.0 lpm (2.4 gpm)

HYDRAULIC MOTORS	
Travel	Two fixed-displacement axial piston motors
Swing	Fixed-displacement axial piston motor

RELIEF VALVE SETTING		
Implement circuits	psi (kgf/cm ²)	3,130 (220)
Travel circuit		4,980 (350)
Swing circuit		3,280 (230)
Pilot circuit		430 (30)

HYDRAULIC CYLINDERS		
Number of cylinders bore diameter x stroke	in (mm)	Boom cylinder: 4.3 x 28.1 (1 - 110 x 715)
		Arm cylinder: 3.5 x 33.5 (1 - 90 x 850)
		Bucket cylinder: 3.1 x 26.0 (1 - 80 x 660)
		Boom swing cylinder: 3.7 x 20.7 (1 - 95 x 527)
		Dozer blade (STD): 4.3 x 8.8 (1 - 110 x 224)
		Dozer blade (angle): 4.5 x 8.3 (1 - 115 x 212)
		Angle swing cylinder: 3.7 x 13.2 (1 - 95 x 335)

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	1.4 (2.2)
	High	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

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

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

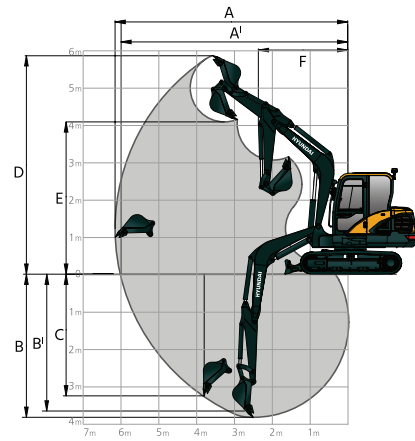
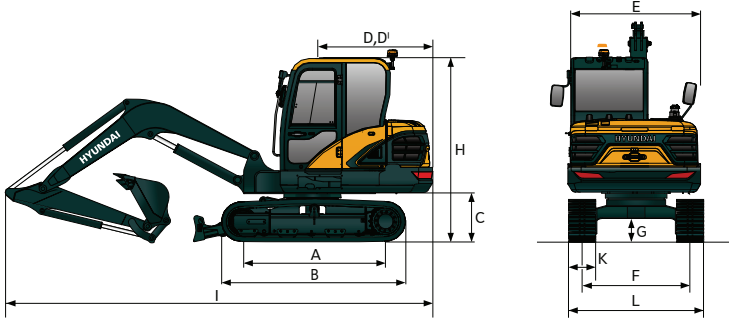
OPERATING WEIGHT (APPROXIMATE)		
Operating weight, including 9' 10" (3,000 mm) boom, 6' 3" (1,900 mm) long arm, SAE heaped 0.24 yd ³ (0.18 m ³) digging bucket, 1' 4" (400 mm) rubber track, lubricant, coolant, full fuel tank, full hydraulic tank, 960 lb (435 kg) counterweight and all standard equipment.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

● : Standard / ○ : Option

ENGINE	CABIN	WORKING EQUIPMENT
Hyundai engine without DPF	● ROPS (Roll-Over Protective Structure) ISO 12117-2	● Pattern change valve inside cabin
Double-element air filter	● OPG (Operator Protective Guard) ISO 10262	● Boom swing function
Auto-idling system	● FOG (Falling Object Guard)	● Arm with thumb bracket
Water separator with filter	● Heating and air conditioning	● Long arm option
	● Travel levers with foot pedals	● Hyundai quick coupler
	● Emergency hammer for exit	● Quick coupler piping
	● Power-assisted front window	● Additional counterweight
	● Rearview camera	○ Overload warning alarm
	● Travel alarm	● 2 LED work lights on boom
	● LED beacon lamp	○ 2 LED work lights on cabin
	● 7" touchscreen cluster	● UNDERCARRIAGE
	● Radio with USB and Bluetooth	● Rubber track
	● 12V power socket	○ Steel track
	● Pattern change valve switch	● Roadliner track
	● Side and rear mirrors	● Telematics
	● Cup holder	● Hi MATE: Mobile (4G) Type
	○ Push start with key fob	
	● Horn	

DIMENSIONS & WORKING RANGE

HX60A



HX60A DIMENSIONS

HX60A DIMENSIONS		ft-in (mm)	
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)	

HX60A WORKING RANGE

HX60A WORKING RANGE		ft-in (mm)	
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)

HX60A DIGGING FORCE

HX60A DIGGING FORCE		STD Arm 5' 3" (1,600)		Long Arm 6' 3" (1,900)	
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

HX60A LIFTING CAPACITY

Unit : mm (ft-in)

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	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					
													m(ft)					
16.4 ft													*2,650	*2,650	(11.9)			
5.0 m													*1,200	*1,200	3.64			
13.1 ft													*2,380	2,360	(15.2)			
4.0 m													*1,080	1,070	4.63			
9.8 ft													*2,510	*2,510	1,960	(17.0)		
3.0 m													*2,250	1,960	5.19			
6.6 ft													*1,140	*1,140	890	(18.0)		
2.0 m													*1,160	950	2,050	*2,250	1,790	(18.0)
2.0 m													*2,730	2,050	*2,250	1,790	(18.0)	
3.3 ft													*1,020	810	5.47			
3.3 ft													*1,240	930	*2,380	1,720	(18.2)	
1.0 m													*3,000	2,010	*2,380	1,720	(18.2)	
0.0 ft													*1,080	780	5.54			
0.0 ft													*1,360	910	*2,670	1,760	(17.7)	
0.0 m													*1,210	800	5.39			
- 3.3 ft													*2,650	*2,650	1,940	(16.4)		
- 3.3 ft													*3,040	1,940	*3,040	1,940	(16.4)	
-1.0 m													*1,210	800	5.39			
-1.0 m													*1,440	1,080	4.31			
-6.6 ft													*1,380	880	5.01			
-6.6 ft													*3,170	2,380	(14.1)			
-2.0 m													*1,440	1,080	4.31			
-2.0 m													*3,090	*3,090	(9.9)			
-9.8 ft													*1,400	*1,400	3.02			
-3.0 m													*1,400	*1,400	3.02			

Notes: 1. Lifting capacities are based on ISO 10567.
2. Lifting capacities of the HX-A 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 bucket pivot mounting pin on the arm (without bucket mass).
4. (*) indicates load limited by hydraulic capacity.



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