



# HYUNDAI CONSTRUCTION EQUIPMENT

## HX40A SPECIFICATIONS

**Net Power**  
37.7 hp (29.1 kW)  
at 2,200 rpm

**Operating Weight**  
Cabin:  
9,680 lb (4,390 kg)  
Canopy:  
9,410 lb (4,270 kg)

**Bucket Digging Force (ISO)**  
9,835 lbf  
(4,461 kgf)

**Arm Crowd Force (ISO)**  
4,541 lbf  
(2,060 kgf)

ENGINE			
Model		YANMAR / 4TNV88C	
Emissions certification		Tier 4 Final	
Output	SAE	J1995 (gross)	39 hp (29.1 kW) @ 2,200 rpm
		J1349 (net)	37.7 hp (28.1 kW) @ 2,200 rpm
Displacement		cu in (cc)	133.64 (2,190)
Number of cylinders		4	
Bore x stroke		in (mm)	3.46 (88) × 3.51 (90)
HYDRAULIC SYSTEM			
Pump type			Load sensing system
Maximum flow		gal (ℓ)/min	26.2 (99.00)
Maximum pressure		psi (bar)	3,613 (254)
AUXILLARY HYDRAULICS			
1st aux.	Flow	gpm (lpm)	21.1 (79.87)
	Pressure	psi (bar)	3,613 (254)
2nd aux.	Flow	gpm (lpm)	10.1 (40.0)
	Pressure	psi (bar)	3,613 (254)
HYDRAULIC MOTORS			
Travel		Two fixed-displacement axial piston motors	
Swing		Fixed-displacement axial piston motor	
RELIEF VALVE SETTINGS			
Implement circuits			3,699 (260)
Travel circuit		psi (bar)	3,280 (230)
Swing circuit			2,990 (210)
HYDRAULIC CYLINDERS			
Number of cylinders. Bore × diameter × stroke	Boom cylinder		1 – 3.54 × 1.97 × 25.51 (90 × 50 × 648)
	Arm cylinder		1 – 3.15 × 1.77 × 2.61 (80 × 45 × 549)
	Bucket cylinder		1 – 2.75 × 2.61 × 20.47 (70 × 45 × 520)
	Boom swing cylinder		1 – 2.61 × 3.15 × 15.79 (45 × 80 × 401)
	Dozer cylinder		1 – 1.97 × 3.74 × 5.98 (50 × 95 × 152)
	Angle dozer cylinder		1 – 2.17 × 3.94 × 5.98 (55 × 100 × 152)
	Angle swing cylinder		1 – 1.18 × 2.17 × 1.30 (30 × 55 × 33)

TRAVEL SYSTEM			
Drive motor		Two fixed-displacement axial piston motors	
Reduction system		2-stage planetary	
Max. travel speed	Low	mph (kph)	2.05 (3.3)
	High	mph (kph)	3.04 (4.9)
Gradeability	degrees (%)		35° (70%)
Parking brake		Automatic, spring applied hydraulic released	
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 brake	Automatic, spring applied hydraulic released
Swing speed	9.9 rpm

SERVICE REFILL CAPACITIES	
Fuel tank	17.6 (66.8)
Engine coolant	12.4 (46.8)
Engine oil	gal (ℓ) 2.5 (9.5)
Hydraulic tank	1.8 (7)
Hydraulic system	9.5 (36)

UNDERCARRIAGE	
No. of upper rollers on each side	1
No. of lower rollers on each side	4

OPERATING WEIGHT			
Cabin	Operating weight	lb (kg)	9,680 (4,390)
	Ground pressure	psi (kg/cm <sup>2</sup> )	4.82 (0.34)
Canopy	Operating weight	lb (kg)	9,410 (4,270)
	Ground pressure	psi (kg/cm <sup>2</sup> )	4.68 (0.33)

● Standard / ○ Option

ENGINE	
Electronically controlled Yanmar engine	●
Double-element air filter	●
Auto idling system	●
Water separator with filter	●
HYDRAULIC SYSTEM	
Load-sensing hydraulic system	●
Two-speed travel with auto-shift	●
Floating dozer blade	●
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 auxiliary hydraulic	●
Adjustable aux. flow on cluster	●
CABIN	
ROPS (Roll-Over Protective Structure, ISO 3471)	●
OPS (Operator Protective Structure) Level 1	●
FOG (Falling Object Guard)	○
Adjustable mechanical suspension seat	●
Retractable seatbelt with warning alarm	●

CABIN	
Heating and air conditioning	●
Travel levers with foot pedals	●
Emergency hammer for exit	●
Power-assisted front window	●
Rearview camera	○
Travel alarm	●
LED beacon lamp	○
5" IP68-rated dust- and waterproof digital cluster	●
Radio with USB	●
12 V power socket	●
Side and rear mirrors	●
Cup holder	●
Pattern change valve inside cabin	●
Horn	●
CANOPY	
ROPS (Roll-Over Protective structure, ISO 3471)	●
OPS (Operator Protective Structure) Level 1	○
Adjustable mechanical suspension seat	●
Retractable seatbelt with warning alarm	●
Travel levers with foot pedals	●
5" IP68-rated dust- and waterproof digital cluster	●

CANOPY	
12 V power socket	●
Side mirror	●
Cup holder	●
Horn	●
WORKING EQUIPMENT	
Boom swing function	●
Arm with thumb bracket	●
Hyundai quick coupler	●
Quick coupler piping	●
Additional counterweight	●
Safety valves for boom/arm	○
Overload warning alarm	○
Travel and swing motor	●
1 LED work light on boom	●
2 LED work lights on cabin	●
UNDERCARRIAGE	
Rubber track	●
Steel track	○
Interchangeability between rubber and steel track	●
TELEMATICS	
Hi MATE-Mobile (4G) Type	●

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

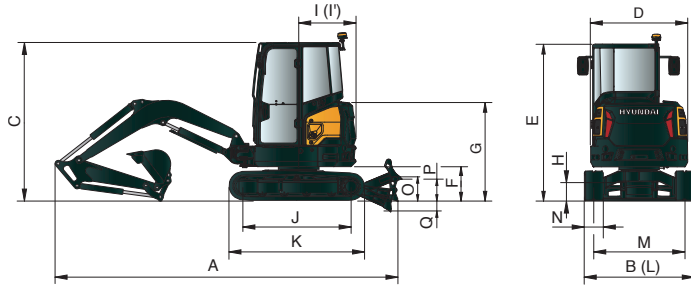
\* The photos may include attachments and optional equipment that are not available in your area.

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

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

# DIMENSIONS & WORKING RANGE

## HX40A



### DIMENSIONS

Operating weight	lb (kg)	9,680 (4,390)
A Overall length		17' 10" (5,425)
B Overall width		5' 9" (1,740)
Overall width with dozer		5' 9" (1,740)
C Overall height		8' 3" (2,525)
D Overall width of upper structure		5' 7" (1,700)
E Overall height of cab		8' 3" (2,525)
F Ground clearance of counterweight		1' 10" (555)
G Overall height of engine hood		5' 1" (1,550)
H Minimum ground clearance		0' 7" (185)
I Rear-end distance	ft in (mm)	4' 3" (1,300)
I' Rear-end swing radius		4' 3" (1,300)
J Distance between tumblers		5' 8" (1,720)
K Undercarriage length (without grouser)		7' 2" (2,185)
L Undercarriage width		5' 9" (1,740)
M Track gauge		4' 7" (1,390)
N Track shoe width, standard		1' 2" (350)
O Height of blade		1' 3" (380)
P Ground clearance of blade up		1' 4" (400)
Q Depth of blade down		1' 7" (480)

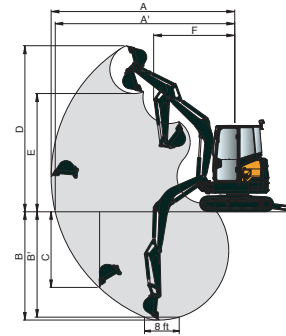
### LIFTING CAPACITY

Cabin, 8' 6" (2.6 m) boom, 5' 3" (1.6 m) long arm, 14" (350 mm) rubber track, no bucket, dozer down position. Rating over front Rating over side or 360 degree

Lift-point height (ft/m)		Lift-point radius								At maximum 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)		Capacity	Reach
13.1 ft (4.0 m)	lb									*2,200	1,980
	kg									*1,000	900
9.8 ft (3.0 m)	lb							*2,090	1,720	*2,050	1,480
	kg							*950	780	*930	670
6.6 ft (2.0 m)	lb					*2,690	2,600	*2,290	1,680	*2,010	1,300
	kg					*1,220	1,180	*1,040	760	*910	590
3.3 ft (1.0 m)	lb					*3,590	2,450	*2,620	1,610	*2,120	1,230
	kg					*1,630	1,100	*1,190	730	*960	560
0.0 ft (0.0 m)	lb			*3,260	*3,260	*4,100	*2,340	*2,820	1,570	*2,310	1,280
	kg			*1,480	*1,480	*1,860	1,060	*1,280	710	*1,050	580
-3.3 ft (-1.0 m)	lb	*3,700	*3,700	*6,170	4,340	*3,970	2,310	*2,650	1,570	*2,360	1,460
	kg	*1,680	*1,680	*2,800	1,970	*1,800	1,050	*1,200	710	*1,070	660
-6.6 ft (-2.0 m)	lb	*6,770	*6,770	*4,850	4,430	*2,950	2,360			*2,310	2,030
	kg	*3,070	*3,070	*2,200	2,010	*1,340	1,070			*1,050	920

- 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.



### WORKING RANGE

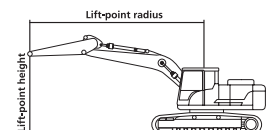
A Max digging reach		18' 2" (5,525)
A' Max digging reach on ground		17' 8" (5,390)
B Max digging depth		11' 3" (3,420)
B' Max digging depth (8 ft level)	ft in (mm)	9' 11" (3,010)
C Max vertical wall digging depth		8' 7" (2,620)
D Max digging height		17' 7" (5,360)
E Max dumping height		12' 11" (3,945)
F Min swing radius		7' 5" (2,260)

### DIGGING FORCE

Bucket digging force	SAE	kN	39
		kgf	3,962
	ISO	lbf	8,735
		kgf	44
Arm crowd force	SAE	kN	20
		kgf	2,005
	ISO	lbf	4,421
		kgf	20
		lbf	2,060
		lbf	4,541

### DIMENSIONS

Travel speed (low/high)	mph (km/h)	2.05/3.04 (3.33/ 4.9)
Swing speed	rpm	9.9
Gradeability	degree (%)	35° (70%)
Ground pressure	psi (kg/cm <sup>2</sup> )	5.04 (0.34)
Max. traction force	lb (kg)	6,640 (3,013)



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