

HX40A SPECIFICATIONS

Net Power
37.7 rpm (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)	

AUXILIARY 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	psi (bar)	3,699 (260)	
Travel circuit	psi (bar)	3,280 (230)	
Swing circuit	psi (bar)	2,990 (210)	

HYDRAULIC CYLINDERS

Number of cylinders bore diameter × stroke	Boom cylinder	in (mm)	3.54 × 1.97 × 25.51 (90 × 50 × 648)	
	Arm cylinder	in (mm)	3.15 × 1.77 × 2.61 (80 × 45 × 549)	
	Bucket cylinder	in (mm)	2.75 × 2.61 × 20.47 (70 × 45 × 520)	
	Boom swing cylinder	in (mm)	2.61 × 3.15 × 15.79 (45 × 80 × 401)	
	Dozer cylinder	in (mm)	1.97 × 3.74 × 5.98 (50 × 95 × 152)	
	Angle dozer cylinder	in (mm)	2.17 × 3.94 × 5.98 (55 × 100 × 152)	
	Angle swing cylinder	in (mm)	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	
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	rpm	9.9	

SERVICE REFILL CAPACITIES

Fuel tank	gal (l)	17.6 (66.8)	
Engine coolant	gal (l)	12.4 (46.8)	
Engine oil	gal (l)	2.5 (9.5)	
Hydraulic tank	gal (l)	1.8 (7)	
Hydraulic system	gal (l)	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	lbs(kg)	9,680 (4,390)
	Ground pressure	psi (kg/cm ²)	4.82 (0.34)
Canopy	Operating weight	lbs(kg)	9,410 (4,270)
	Ground pressure	psi (kg/cm ²)	4.68 (0.33)

● Standard / ○ Option

ENGINE

Electrical 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	○
Divert valve for 2 way hydraulic	●
Adjustable Aux. flow on cluster	●

CABIN

ROPS (Roll-over Protective structure, ISO3471)	●
OPS (Operator Protective Guard) Level 1	●
FOG Guard	○
Adjustable Mechanical Suspension Seat	●
Retractable seatbelt with warning alarm	●

CABIN

Heating & Air Conditioning	●
Travel levers with foot pedals	●
Emergency hammer for exit	●
Power-assisted front window	●
Rear view camera	○
Travel alarm	●
LED beacon lamp	○
5" digital cluster with IP68 water & dust proof	●
Radio with USB	●
12V power socket	●
Side & Rear Mirrors	●
Cup holder	●
Pattern change valve inside cabin	●
Horn	●

CANOPY

ROPS (Roll-over Protective structure, ISO3471)	●
OPS (Operator Protective Guard) Level 1	○
Adjustable Mechanical Suspension Seat	●
Retractable seatbelt with warning alarm	●
Travel levers with foot pedals	●
5" digital cluster with IP68 water & dust proof	●

CANOPY

12V power socket	●
Side Mirror	●
Cup holder	●
Horn	●

WORKING EQUIPMENT

Boom swing function	●
Arm with thumb bracket	●
Hyundai quick coupler	●
Quick coupler piping	●
Additional counter weight option	●
Safety valves for Boom/Arm	○
Overload warning alarm	○
Travel & Swing motor	●
1 LED work light on boom	●
2 LED work lights on cabin	●

UNDERCARRIAGE

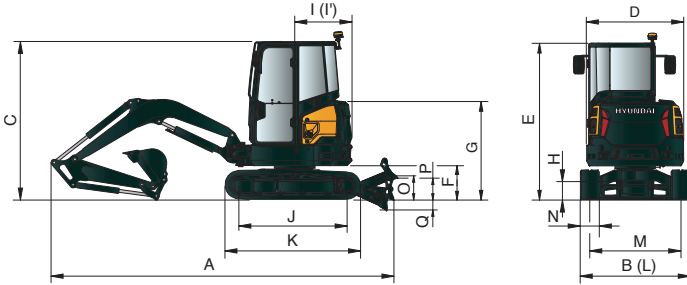
Rubber track	●
Steel track	○
Interchangeability between rubber and steel track	●

TELEMATICS

Hi-Mate: Mobile (4G) Type	●
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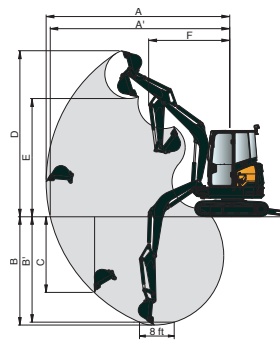
DIMENSIONS & WORKING RANGE

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	mm (ft-in)	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)



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)	mm (ft-in)	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	kgf	4,461
		lbf	9,835
Arm Crowd force	SAE	kN	20
		kgf	2,005
	ISO	kgf	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
Ground pressure	psi (kg/cm ²)	5.04 (0.34)
Max traction force	lb (kg)	6,640 (3,013)

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		ft (m)		
	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	11.9 (3.62)		
	kg								*1,000	900			
9.8 ft (3.0 m)	lb						*2,090	1,720	*2,050	1,480	14.3 (4.35)		
	kg						*950	780	*930	670			
6.6 ft (2.0 m)	lb				*2,690	2,600	*2,290	1,680	*2,010	1,300	15.5 (4.72)		
	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	15.8 (4.81)		
	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	15.3 (4.66)
	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	13.8 (4.22)	
	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	11.1 (3.37)	
	kg	*3,070	*3,070	*2,200	2,010	*1,340	1,070			*1,050	920		

- Lifting capacity are based on ISO 10567.
- Lifting capacity of HX Series does 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.

