

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

Operating Weight
4,540 kg (10,010 lb)

Bucket Breakout Force
(ISO) 4,461 kgf /
9,835 lbf

Arm Digging Force
(ISO) 2,060 kgf /
4,541 lbf

ENGINE

MODEL		YANMAR / 4TNV88C	
Emissions certification		Tier-4 final	
Output	SAE	J1995 (gross)	39 rpm (29.1 kw) @ 2,200 rpm
		J1349 (net)	37.7 rpm (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) x 3.51 (90)	
Aspiration		Natural	

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			
2-Way	Flow	gpm (lpm)	21.1
	Pressure	gpm (lpm)	3,613 (254)
2-Way	Flow	gpm (lpm)	10.1 (40.0)
	Pressure	gpm (lpm)	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 x stroke	Arm cylinder	80 x 45 x 549
	Bucket cylinder	70 x 45 x 520
	Boom swing cylinder	45 x 80 x 401
	Dozer cylinder	50 x 95 x 152
	Angle dozer cylinder	55 x 100 x 152
	Angle swing cylinder	30 x 55 x 33

TRAVEL SYSTEM

Drive motor	Two fixed displacement axial piston motors		
Reduction system	2 - stage planetary		
Max. travel speed	Low	kph	3.3
	High	kph	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	9.4
Engine coolant	12.4 (46.8)
Engine oil	2.5 (9.5)
Hydraulic tank	1.8 (7)
Hydraulic system	9.5 (36)

UNDERCARRIAGE

No. of upper rollers on each side	16.6 (63)
No. of lower rollers on each side	4

OPERATING WEIGHT

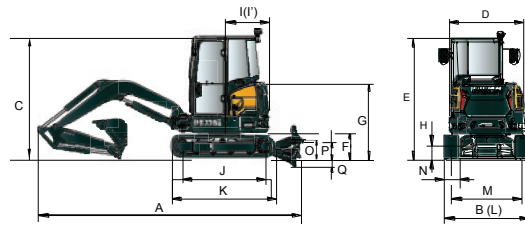
Operating weight (canopy)	lbs(kg)	10,010 (4,540)
Ground pressure (canpoy)	psi	4.79

● : Standard / ○ : Option

ENGINE	CABIN	CANOPY
Mechanical controlled Kubota engine	Adjustable Mechanical Suspension Seat	12V power socket
Electrical controlled Yanmar engine	Retractable seatbelt with warning alarm	Side Mirror
Double-element air filter	Heating & Air Conditioning	Cup holder
Auto ideling system	Travel levers with foot pedals	Horn
Water seperator with filter	Emergency hammer for exit	WORKING EQUIPMENT
Electric fuel filler pump	Power-assisted front window	Zero-tail
HYDRAULIC SYSTEM	Rear view camera	Boom swing function
Open center hydraulic system	Travel alarm	Arm with thumb bracket
Load-sensing hydraulic system	LED beacon lamp	Long arm option
Two-speed travel with auto-shift	5" Digital cluster with IP68 water & dust proof	Hyundai quick coupler
Floating dozer blade	Radio with USB	Quick coupler piping
Angle dozer blade	12V power socket	Additional counter weight option
Pressure accumulator	Side & Rear Mirrors	Safety valves for Boom/Arm/Dozer
Proportional Aux. control	Cup holder	Overload warning alarm
1 way Aux. hydraulic line for breaker	Pattern change valve inside cabin	Travel & Swing motor with discs brake
2 way Aux. hydraulic line for grapple	Horn	1 LED work light on boom
4 way Aux. hydraulic line for rotating	CANOPY	2 LED work lights on cabin
Divert valve for 2 way hydraulic	ROPS (Roll-over Protective structure, ISO3471)	UNDERCARRIAGE
Adjustable Aux. flow on cluster	OPS (Operator Protective Guard) Level 1	Rubber track
CABIN	Adjustable Mechanical Suspension Seat	Steel track
ROPS (Roll-over Protective structure, ISO3471)	Retractable seatbelt with warning alarm	Interchagability bewteen rubber and steel track
OPS (Operator Protective Guard) Level 1	Travel levers with foot pedals	Hi MATE
FOG Guard	5" Digital cluster with IP68 water & dust proof	Interchagability bewteen rubber and steel track

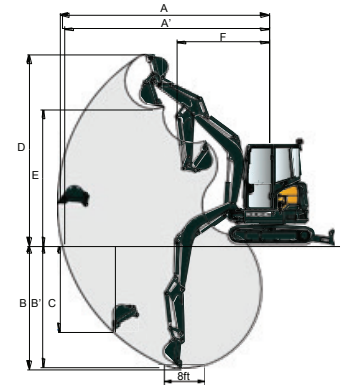
DIMENSIONS & WORKING RANGE

HX40Az



HX40AZ DIMENSIONS

Operating Weight	kg (lb)	4,585	10110
A Overall length		5,480	(18' 0")
B Overall width		1,740	(5' 9")
B' Overall width with additional footboard			(0' 0")
Overall width with Dozer		1,740	(5' 9")
C Overall height		2,525	(8' 3")
D Overall width of upperstructure		1,700	(5' 7")
E Overall height of cab		2,525	(8' 3")
F Ground clearance of counterweight		555	(1' 10")
G Overall height of engine hood		1,550	(5' 1")
G' Overall height of handrail			(0' 0")
H Minimum ground clearance		185	(0' 7")
I Rear-end distance		1,300	(4' 3")
I' Rear-end swing radius		1,300	(4' 3")
J Distance between tumblers		1,720	(5' 8")
K Undercarriage length (without grouser)		2,185	(7' 2")
Undercarriage length (with grouser)			(0' 0")
L Undercarriage width		1,740	(5' 9")
L' Undercarriage width with additional footboard			(0' 0")
M Track gauge		1,390	(4' 7")
N Track shoe width, standard		350	(1' 2")
O Height of blade		410	(1' 4")
P Ground clearance of blade up		360	(1' 2")
Q Depth of blade down		525	(1' 9")
Track shoe link quantity	EA		
Travel speed (low/high)	km/hr (mph)	3.3/4.9	
Swing speed	rpm	9.9	
Gradeability	Degree (%)	35	
Ground pressure	kgf/cm (psi)	0.35	5.04
Max traction force	kg (lb)	3013	6640



HX40AZ WORKING RANGE

Parameter	Unit	Value	Value
A Max digging reach	mm (ft-in)	5,690	(18' 8")
A' Max digging reach on ground	mm (ft-in)	5,560	(18' 3")
B Max digging depth	mm (ft-in)	3,590	(11' 9")
B' Max digging depth (8 ft level)	mm (ft-in)	3,200	(10' 6")
C Max vertical wall digging depth	mm (ft-in)	2,450	(8' 0")
D Max digging height	mm (ft-in)	5,530	(18' 2")
E Max dumping height	mm (ft-in)	3,780	(12' 5")
F Min swing radius	mm (ft-in)	2,260	(7' 5")
Bucket digging force	SAE	kN	33
		kgf	3,358
		lbf	7,403
	ISO	kN	36
		lbf	8,053
Arm digging force	SAE	kN	18
		kgf	1,862
		lbf	4,105
	ISO	kN	19
		lbf	4,206

Rating over-front Rating over-side or 360 degree

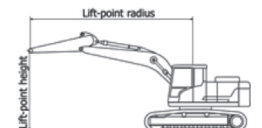
HX40A LIFTING CAPACITY

Unit : mm (ft-in)

2.6m (8' 6") boom, 1.3m (4' 3") arm equipped with 350mm (1' 2"), rubber track, dozer down position.

Lift-point height (m/ft)		Lift-point radius								At max. reach		
		1.0m (3.3ft)		2.0m (6.6ft)		3.0m (9.8ft)		4.0m (13.1ft)		Capacity		Reach m (ft)
4.0m	kg									*1,000	900	3.62
13.1ft	lb									*2,200	1,980	(11.9)
3.0m	kg							*950	780	*930	670	4.35
9.8ft	lb							*2,090	1,720	*2,050	1,480	(14.3)
2.0m	kg					*1,220	1,180	*1,040	760	*910	590	4.72
6.6ft	lb					*2,690	2,600	*2,290	1,680	*2,010	1,300	(15.5)
1.0m	kg					*1,630	1,110	*1,190	730	*960	560	4.81
3.3ft	lb					*3,590	2,450	*2,620	1,610	*2,120	1,230	(15.8)
0.0m	kg			*1,480	*1,480	*1,860	1,060	*1,280	710	*1,050	580	4.66
0.0ft	lb			*3,260	*3,260	*4,100	2,340	*2,820	1,570	*2,310	1,280	(15.3)
-1.0m	kg	*1,680	*1,680	*2,800	1,970	*1,800	1,050	*1,200	710	*1,070	660	4.22
-3.3ft	lb	*3,700	*3,700	*6,170	4,340	*3,970	2,310	*2,650	1,570	*2,360	1,460	(13.8)
-2.0m	kg	*3,070	*3,070	*2,200	2,010	*1,340	1,070			*1,050	920	3.37
-6.6ft	lb	*6,770	*6,770	*4,850	4,430	*2,950	2,360			*2,310	2,030	(11.1)

- 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.



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