

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

Operating Weight
9,680 lb (4,390 kg)

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

Arm Digging Force
4,541 lbf /
(ISO) 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)	37.9 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) 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)	
AUXILIARY HYDRAULICS			
1st aux.	Flow	gpm (lpm)	21.1(79.87)
	Pressure	gpm (lpm)	3,613 (254)
2nd aux.	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	in (mm)	3.15 x 1.77 x 2.61 (80 x 45 x 549)
	Bucket cylinder	in (mm)	2.75 x 2.61 x 20.47 (70 x 45 x 520)
	Boom swing cylinder	in (mm)	2.61 x 3.15 x 15.79 (45 x 80 x 401)
	Dozer cylinder	in (mm)	1.97 x 3.74 x 5.98 (50 x 95 x 152)
	Angle dozer cylinder	in (mm)	2.17 x 3.94 x 5.98 (55 x 100 x 152)
	Angle swing cylinder	in (mm)	1.18 x 2.17 x 1.30 (30 x 55 x 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

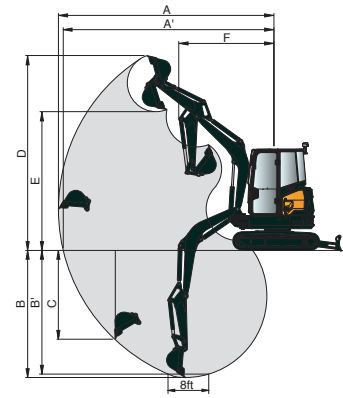
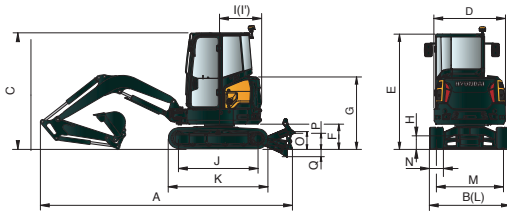
Operating weight (canopy)	lbs (kg)	9,410 (4,270)
Ground pressure (canopy)	psi (kg/cm)	4.68 (0.33)
Operating weight (cab)	lbs (kg)	9,680 (4,390)
Ground pressure (cab)	psi (kg/cm)	4.82 (0.34)

● : Standard / ○ : Option

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

DIMENSIONS & WORKING RANGE

HX40A



HX40A DIMENSIONS

Operating Weight		kg (lb)	4,390	9,680
A	Overall length		5,425	(17' 10")
B	Overall width		1,740	(5' 9")
	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")
H	Minimum ground clearance	mm	185	(0' 7")
I	Rear-end distance	(ft-in)	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")
L	Undercarriage width		1,740	(5' 9")
M	Track gauge		1,390	(4' 7")
N	Track shoe width, standard		350	(1' 2")
O	Height of blade		380	(1' 3")
P	Ground clearance of blade up		400	(1' 4")
Q	Depth of blade down		480	(1' 7")
Travel speed (low/high)		mph (kph)	2.05/ 3.04 (3.33/ 4.9)	
Swing speed		rpm	9.9	
Gradeability		Degree (%)	35	
Ground pressure		psi (kgf/cm)	4.82 (0.34)	
Max traction force		lb (kg)	6,640 (3,013)	

HX40A WORKING RANGE

A	Max digging reach		5,525	(18' 2")
A'	Max digging reach on ground		5,390	(17' 8")
B	Max digging depth		3,420	(11' 3")
B'	Max digging depth (8 ft level)	mm (ft-in)	3,010	(9' 11")
C	Max vertical wall digging depth		2,620	(8' 7")
D	Max digging height		5,360	(17' 7")
E	Max dumping height		3,945	(12' 11")
F	Min swing radius		2,260	(7' 5")
Bucket digging force		SAE	kN	39
			kgf	3,962
			lbf	8,735
Arm digging force		ISO	kN	44
			kgf	4,461
			lbf	9,835
Arm digging force		SAE	kN	20
			kgf	2,005
			lbf	4,421
Arm digging force		ISO	kN	20
			kgf	2,060
			lbf	4,541

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, no bucket, equipped with 350mm (1' 2") rubber track, dozer down position.

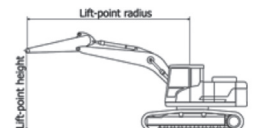
Lift-point height (m/ft)		Lift-point radius								At max. reach		
		1.0m (3.3ft)		2.0m (6.6ft)		3.0m (9.8ft)		4.0m (13.1ft)		Capacity	Reach	
												m (ft)
4.0m	kg									*1,000	900	3.62
13.1ft	lb									*2,200	1,980	(11.9)
3.0m	kg							*950	780	*930	670	4.35
9.8ft	lb							*2,090	1,720	*2,050	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)

1 | Lifting capacity are based on ISO 10567.

2 | 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.

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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