



# HX35Az SPECIFICATIONS

## Net Power

24.2 hp (17.8 kW)  
at 2,200 rpm

## Operating Weight

Cabin:  
8,930 lb (4,050 kg)  
Canopy:  
8,630 lb (3,930 kg)

## Bucket Digging Force (ISO)

7,232 lbf  
(3,281 kgf)

## Arm Crowd Force (ISO)

4,465 lbf  
(2,025 kgf)

## ENGINE

Model	KUBOTAD1703		
Emissions certification	Tier 4 Final		
Output	SAE	J1995 (gross)	25.2 hp (18.5 kW) @ 2,200 rpm
		J1349 (net)	24.2 hp (17.8 kW) @ 2,200 rpm
Displacement	cu in (cc)	101 (1,647)	
Number of cylinders	3		
Bore × stroke	in (mm)	3.43 (87.0) × 3.64 (92.4)	

## HYDRAULIC SYSTEM

Pump type	Variable tandem axis piston pumps		
Maximum flow	gpm (lpm)	9.7 (37.4) × 2 + 6.1 (23.1)	
Maximum pressure	psi (bar)	3,280 (230)	

## AUXILIARY HYDRAULICS

1st Aux.	Flow	gpm (lpm)	16.0 (60.5)
	Pressure	psi (bar)	3,699 (260)
2nd Aux.	Flow	gpm (lpm)	16.0 (60.5)
	Pressure	psi (bar)	3,699 (260)

## 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	1-3.35 × 1.77 × 21.14 (85 × 45 × 537)		
	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	in (mm)	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)			

## ENGINE

Mechanically controlled Kubota engine	●
Double-element air filter	●
Auto-idling system	●
Water separator with filter	●

## HYDRAULIC SYSTEM

Open-center 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	●
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	●
12 V power socket	●
Side mirror	●

## TRAVEL SYSTEM

Drive motor	2 fixed-displacement axial piston motors		
Reduction system	2-stage planetary		
Max. travel speed	Low	mph (kph)	1.59 (2.56)
	High	mph (kph)	2.74 (4.41)
Displacement	cu in (cc)	101 (1,647)	
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 speed	9.4 rpm		

## SERVICE REFILL CAPACITIES

Fuel tank	12.4 (46.8)		
Engine coolant	2.5 (9.5)		
Engine oil	gal (ℓ)	1.8 (7)	
Hydraulic tank	9.5 (36)		
Hydraulic system	16.6 (63)		

## UNDERCARRIAGE

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

## OPERATING WEIGHT

Cabin	Operating weight	lb (kg)	8,930 (4,050)
	Ground pressure	psi (kgf/cm <sup>2</sup> )	5.35 (0.38)
Canopy	Operating weight	lb (kg)	8,630 (3,930)
	Ground pressure	psi (kgf/cm <sup>2</sup> )	5.19 (0.37)

● Standard / ○ Option

## CANOPY

Cup holder	●
Horn	●

## WORKING EQUIPMENT

Zero-tail swing	●
Boom swing function	●
Arm with thumb bracket	●
Long arm	○
Hyundai quick coupler	●
Quick coupler piping	●
Travel alarm	●
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	●
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\* Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards.

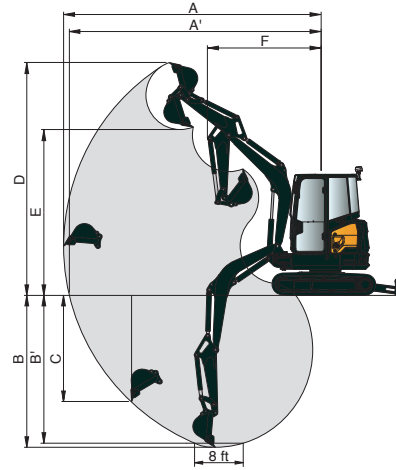
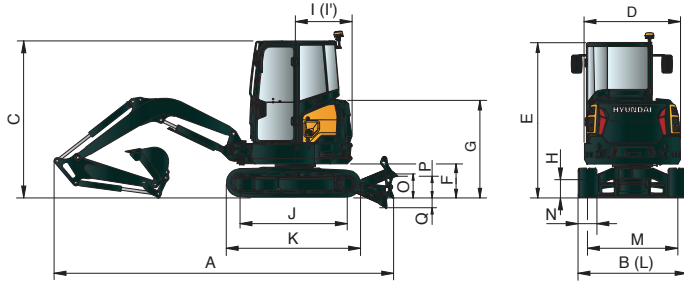
\* The photos may include attachments and optional equipment that are not available in your area.

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

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

# DIMENSIONS & WORKING RANGE

## HX35Az



DIMENSIONS		
Operating weight	lb (kg)	9,350 (4,240)
A Overall length		15' 8" (4,772)
B Overall width		5' 9" (1,740)
Overall width with dozer		5' 9" (1,740)
C Overall height		8' 3" (2,505)
D Overall width of upper structure		5' 1" (1,540)
E Overall height of cab		8' 3" (2,505)
F Ground clearance of counterweight		1' 9" (525)
G Overall height of engine hood		5' 1" (1,545)
H Minimum ground clearance		0' 7" (167)
I Rear-end distance	ft in (mm)	3' 3" (985)
I' Rear-end swing radius		3' 3" (985)
J Distance between tumblers		5' 7" (1,690)
K Undercarriage length (without grouser)		7' 0" (2,128)
L Undercarriage width		5' 9" (1,740)
M Track gauge		4' 9" (1,440)
N Track shoe width, standard		1' 0" (300)
O Height of blade		1' 4" (394)
P Ground clearance of blade up		1' 4" (408)
Q Depth of blade down		1' 6" (460)

WORKING RANGE		
A Max digging reach		18' 10" (5,740)
A' Max digging reach on ground		18' 6" (5,630)
B Max digging depth		11' 3" (3,440)
B' Max digging depth (8 ft level)	ft in	10' 0" (3,050)
C Max vertical wall digging depth	(mm)	7' 10" (2,390)
D Max digging height		17' 0" (5,190)
E Max dumping height		11' 4" (3,450)
F Min swing radius		7' 11" (2,425)

		STD Arm	LONG Arm
Bucket Digging force	SAE	kN 2,914	2,914
		kgf 6,423	6,423
		lbf 6,423	6,423
	ISO	kN 32.2	32.2
		kgf 3,281	3,281
		lbf 7,232	7,232
Arm Crowd force	SAE	kN 19.3	17.0
		kgf 1,963	1,705
		lbf 4,327	3,759
	ISO	kN 19.9	17.2
		kgf 2,025	1,752
		lbf 4,465	3,862

DIMENSIONS		
Travel speed (low/high)	mph (km/h)	1.6/2.7 (2.6/4.4)
Swing speed	rpm	9.4
Gradeability	degree (%)	35° (70%)
Ground pressure	psi (kg/cm <sup>2</sup> )	5.55 (0.39)
Max traction force	lb (kg)	6,700 (3,039)

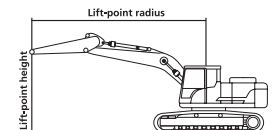
### LIFTING CAPACITY

Cabin, 8' 2" (2.48 m) boom, 5' 3" (1.6 m) long arm, 12" (300 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		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 (4.0)	lb				*1,790	1,650	11.4 (3.46)
	kg				*810	750	
9.8 (3.0)	lb			*1,630	1,320	*1,680	14.2 (4.32)
	kg			*740	600	*760	
6.6 (2.0)	lb		*2,050	2,050	*1,740	1,300	15.5 (4.74)
	kg		*930	930	*790	590	
3.3 (1.0)	lb		*2,840	1,920	*2,010	1,260	16.0 (4.86)
	kg		*1,290	870	*910	570	
0.0 (0.0)	lb	*2,490	*2,490	*3,280	1,810	*2,160	15.5 (4.73)
	kg	*1,130	*1,130	*1,490	820	*980	
-3.3 (-1.0)	lb	*3,220	*3,220	*4,870	3,420	*3,090	14.1 (4.30)
	kg	*1,460	*1,460	*2,210	1,550	*1,400	
-6.6 (-2.0)	lb		*3,460	*3,460	*2,050	1,830	11.2 (3.43)
	kg		*1,570	*1,570	*930	830	

- 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.



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