



HD HYUNDAI CONSTRUCTION EQUIPMENT

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		KUBOTA D1703	
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	●

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	●

● Standard / ○ Option

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

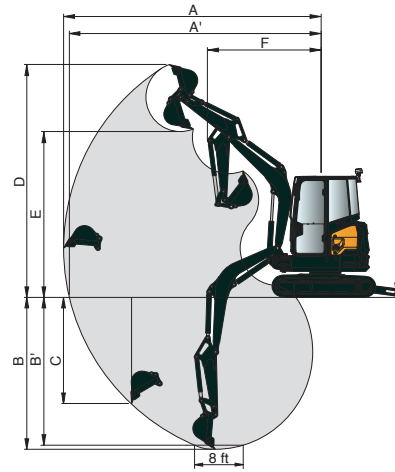
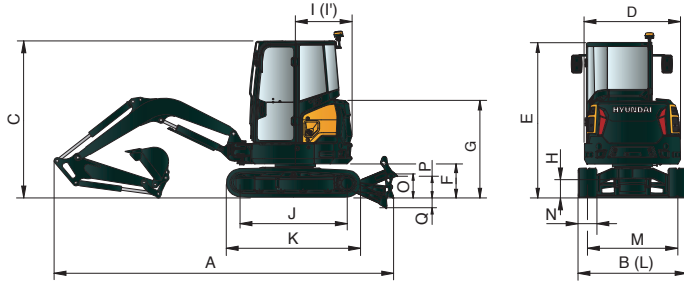
* The photos may include attachments and optional equipment that are not available in your area.

* 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 (mm)	10' 0"	(3,050)
C Max vertical wall digging depth		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)

DIGGING FORCE			STD Arm	LONG Arm
Bucket Digging force	SAE	kN	28.6	28.6
		kgf	2,914	2,914
		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 ²)	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			
		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	ft (m)	
13.1 (4.0)	lb					*1,790	1,650	11.4 (3.46)	
	kg					*810	750		
9.8 (3.0)	lb				*1630	1,320	*1,680	1,170	14.2 (4.32)
	kg				*740	600	*760	530	
6.6 (2.0)	lb			*2,050	2,050	*1,740	1,300	*1,650	15.5 (4.74)
	kg			*930	930	*790	590	*750	
3.3 (1.0)	lb			*2,840	1,920	*2,010	1,260	*1,650	16.0 (4.86)
	kg			*1,290	870	*910	570	*750	
0.0 (0.0)	lb		*2,490	*2,490	*3,280	1,810	*2,160	1,210	15.5 (4.73)
	kg		*1,130	*1,130	*1,490	820	*980	550	
-3.3 (-1.0)	lb	*3,220	*3,220	*4,870	3,420	*3,090	1,790	*1,960	14.1 (4.30)
	kg	*1,460	*1,460	*2,210	1,550	*1,400	810	*890	
-6.6 (-2.0)	lb		*3,460	*3,460	*2,050	1,830		*1,500	11.2 (3.43)
	kg		*1,570	*1,570	*930	830		*680	

- 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.

