



Net Power
24.2 rpm (17.8 kW)
at 2,200 rpm

Operating Weight
4,240 kg (9,350 lb)

Bucket Breakout Force
(ISO) 3,279 kgf /
7,229 lbf

Arm Digging Force
(ISO) 1,752 kgf /
3,862 lbf

ENGINE

MODEL		KUBOTA D1703	
Emissions certification		Tier-4 final	
Output	SAE	J1995 (gross)	25.2 rpm (18.5kw) @ 2,200 rpm
		J1349 (net)	24.2 rpm (17.8kw) @ 2,200 rpm
Displacement	cu.in. (cc)	101 (1,647)	
Number of cylinders			
3			
Bore x Stroke	in. (mm)	3.43 (87.0) x 3.64 (92.4)	
Aspiration		Natural	

HYDRAULIC SYSTEM

Pump Type		Variable displacement tandem axis piston pumps	
Maximum flow	gal (L)/min	9.7 (37.4) x 2 + 6.1 (23.1)	
Maximum Pressure	psi(bar)	3,280(230)	

AUXILLARY HYDRAULICS

2-Way	Flow	gpm (lpm)	14.3 (54)
	Pressure	gpm (lpm)	3,699 (260)
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	Pressure	gpm (lpm)	3,699 (260)

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	2.56
	High	kph	4.41
Displacement	cu.in. (cc)	101 (1,647)	
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 bearing lubrication	9.4		

SERVICE REFILL CAPACITIES

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

UNDERCARRIAGE

No. of track shoes on each side	22
No. of upper rollers on each side	1
No. of lower rollers on each side	4

OPERATING WEIGHT

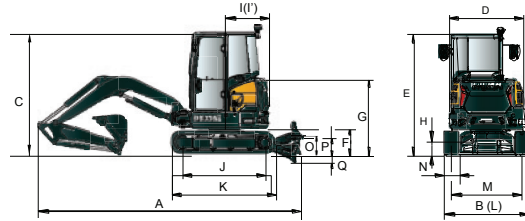
Operating weight (canopy)	8,640 (3,920)
Ground pressure (canpoy)	5.13 (1740)

● : 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	● Interchangability 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	● Interchangability bewteen rubber and steel track

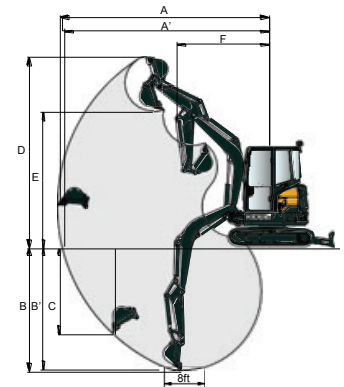
DIMENSIONS & WORKING RANGE

HX35Az



HX35AZ DIMENSIONS

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



HX35AZ WORKING RANGE

A Max digging reach		5,740	(18' 10")	
A' Max digging reach on ground		5,630	(18' 6")	
B Max digging depth		3,440	(11' 3")	
B' Max digging depth (8 ft level)		3,050	(10' 0")	
C Max vertical wall digging depth		2,390	(7' 10")	
D Max digging height		5,190	(17' 0")	
E Max dumping height		3,450	(11' 4")	
F Min swing radius		2,425	(7' 11")	
Bucket digging force	SAE	kN	24	26.2
		kgf	2,468	2670
	ISO	kN	26	28.5
		kgf	2,685	2910
Arm digging force	SAE	kN	16	16.9
		kgf	1,583	1720
	ISO	kN	16	17.3
		kgf	1,623	1760
		lbf	3,577	3880

HX35AZ DIMENSIONS

Track shoe link quantity	EA		
Travel speed (low/high)	km/hr (mph)	2.56/4.41	
Swing speed	rpm	9.4	
Gradeability	Degree (%)	35	
Ground pressure	kgf/cm (psi)	0.39	5.55
Max traction force	kg (lb)	3039	6700

Rating over-front Rating over-side or 360 degree

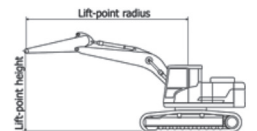
HX35AZ LIFTING CAPACITY

Unit : mm (ft-in)

2.4m (7' 10") boom, 1.3m (4' 3") arm equipped with 300mm (1') rubber track, dozer down position.

Lift-point height (m/ft)		Lift-point radius						At max. reach		
		2.0m (6.6ft)		3.0m (9.8ft)		4.0m (13.1ft)		Capacity	Reach	
4.0m	kg							*800	*800	3.06
13.1ft	lb							*1,760	*1,760	(10.0)
3.5m	kg							*750	610	3.63
11.5ft	lb							*1,650	1,340	(11.9)
3.0m	kg					*730	510	*730	500	4.03
9.8ft	lb					*1,610	1,120	*1,610	1,100	(13.2)
2.5m	kg					*740	510	*730	440	4.30
8.2ft	lb					*1,630	1,120	*1,610	970	(14.1)
2.0m	kg			*950	810	*770	500	*730	410	4.48
6.6ft	lb			*2,090	1,790	*1,700	1,100	*1,610	900	(14.7)
1.5m	kg			*1,120	780	*820	490	*740	390	4.58
4.9ft	lb			*2,470	1,720	*1,810	1,080	*1,630	860	(15.0)
1.0m	kg			*1,280	750	*870	480	*750	380	4.62
3.3ft	lb			*2,820	1,650	*1,920	1,060	*1,650	840	(15.1)
0.5m	kg			*1,400	730	*910	470	*760	380	4.58
1.6ft	lb			*3,090	1,610	*2,010	1,040	*1,680	840	(15.0)
0.0m	kg	*1,350	*1,350	*1,430	710	*920	460	*770	390	4.47
0.0ft	lb	*2,980	*2,980	*3,150	1,570	*2,030	1,010	*1,700	860	(14.7)
-0.5m	kg	*1,910	1,390	*1,400	710	*890	460	*780	410	4.28
-1.6ft	lb	*4,210	3,060	*3,090	1,570	*1,960	1,010	*1,720	900	(14.1)
-1.0m	kg	*2,250	1,400	*1,290	710	*780	460	*780	460	4.01
-3.3ft	lb	*4,960	3,090	*2,840	1,570	*1,720	1,010	*1,720	1,010	(13.1)
-1.5m	kg	*1,840	1,410	*1,090	720			*770	540	3.60
-4.9ft	lb	*4,060	3,110	*2,400	1,590			*1,700	1,190	(11.8)
-2.0m	kg	*1,240	*1,240	*710	*710			*700	*700	3.01
-6.6ft	lb	*2,730	*2,730	*1,570	*1,570			*1,540	*1,540	(9.9)

- 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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