

HX35Az



* Design aesthetics & features may vary

OPERATING WEIGHT: 3790-4130 Kg

GROSS POWER: 24.8 HP @ 2200 rpm

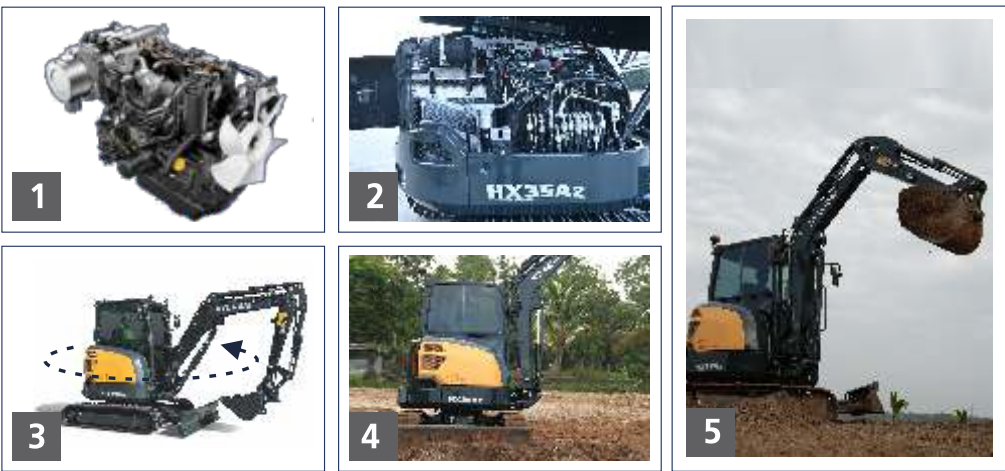
BUCKET CAPACITY: 0.11 m³ GP

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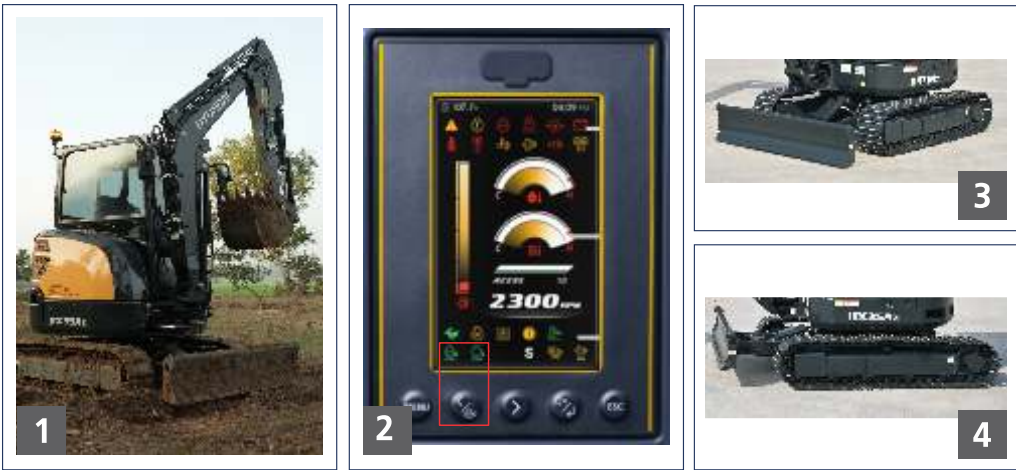
PRODUCTIVITY

- 1. Efficient, Tier 4 Kubota Engine
- 2. Advance Hydraulics system
- 3. Faster Swing speed
- 4. Zero Tail Swing
- 5. Higher Digging forces



EFFICIENCY

- 1. Wide Boom Swing Angle
- 2. Auto Engine Idle
- 3. Dozer Float
- 4. Auto Shift Travel Speed



COMFORT INTELLIGENCE™



OPERATOR CONVENIENCE

- 1. Spacious & Comfortable Seating Area, Multi Adjustment Operator Seat
- 2. New 5" LCD Digital Cluster
- 3. Maintenance Management
- 4. Self Diagnostic
- 5. Foldable Pedals, with Rubber Cover



FEATURES AND SPECIFICATIONS



STRUCTURE & DURABILITY

- 1. Rugged Upper & Lower Frame
- 2. Strong Boom & Arm
- 3. ROPS Cabin
- 4. Highly Durable Track & Rollers



TELLIGENCE™



SERVICEABILITY

- 1. Fully Accessible Engine & Aggregates
- 2. Two-piece Dozer Hose
- 3. Centralized Grease Fittings
- 4. Extended Maintenance Intervals
- 5. Tilt cabin - Easy access to internal components
- 6. Long Life Components



Components	Schedule (Hrs)
Hydraulic Oil	5000
Hydraulic Filter	1000
Engine Oil	400
Engine Filter	400



SAFETY

- 1. Master Switch
- 2. Anti Theft System
- 3. Additional Counterweight (Optional)
- 4. Cylinder Guards - Boom, Arm & Bucket
- 5. Safety Lever & Emergency Stop



*Terms & Conditions applicable

SPECIFICATIONS

Engine

MODEL		Kubota D1703
Type		Vertical, water cooled, 3 cylinders in-line, 4-cycle DI Diesel engine, low noise
Emission Standard		Tier 4
Rated flywheel horse power		
SAE	J1995(gross)	25.2 PS (18.5kW)
	J1995(net)	24.2 PS (17.8kW)
Max Torque		9.9 kgf.m (72 lbf.ft) @ 1320 rpm
Bore x stroke		87mm x 92.4mm (3.43" x 3.64")
Piston Displacement		1647 cc (101.0 in ³)
Starting motor		12V-1.2kW
Alternator		12V-30A

Hydraulic System

Main pump		
Type	Variable displacement piston pumps	
Rated flow	2 x 37.4 (9.9) + 23.1 (6.1) L(gal)/min	
Sub-pump for pilot circuit	Gear pump	

Hydraulic Motors

Travel	Two speed axial piston motor with counter balance valve and parking brake	
Swing	Axial piston motor with automatic brake	

Relief Valve Settings

Implement circuits	230 kgf/cm ² (3,270 psi)
Travel circuit	230 kgf/cm ² (3,270 psi)
Swing circuit	210 kgf/cm ² (2990 psi)
Pilot circuit	40 kgf/cm ²

Coolant & Lubricant Capacity

Refilling	liter
Fuel tank	46.8
Engine coolant	9.5
Engine oil	7
Hydraulic tank	36
Hydraulic system	63
Travel reduction gear oil	0.6 (each side)

Swing System

Swing motor	Axial piston motor
Swing bearing lubrication	Grease-bathed
Swing speed	9.4 rpm

Drives & Brakes

Max. travel speed(high)/(low)	4.4/2.6 kmph (2.7/1.6 mph)
Maximum traction force	3039 kgf (29.8kN)
Maximum gradeability	35°
Parking brake	Wet disc

Digging Force (ISO)

	1.6m Arm	1.3m Arm
Bucket	3281 kgf (32.2 kN)	3281 kgf (32.2 kN)
Arm	1623 kgf (15.9 kN)	2025 kgf (19.9 kN)

Weight (Approximate)

Operating weight, including 2,400mm (7'10") boom, SAE heaped 0.11m³ (0.14yd³) excavator bucket, steel track, AC Cabin, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

Shoe Width	Steel 300mm (12")	
	1.6m Arm*	1.3m Arm
Operating Weight	4130 kg (9110 lb)	3970 kg (8760 lb)
Ground Pressure	0.38 kg/cm ² (5.4 psi)	0.36 kg/cm ² (5.1 psi)

* with Additional Counterweight

Under Carriage

X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, track adjusters with shock absorbing springs and sprockets, and steel shoes.

Center frame	X-leg type
Track frame	Pentagonal box type
No. of carrier roller on each side	1
No. of track roller on each side	4

Dimensions

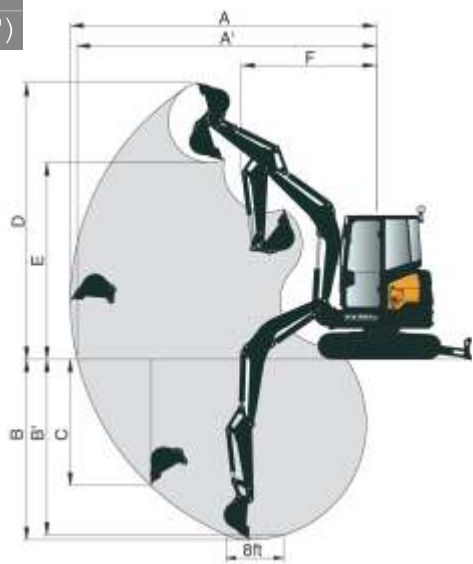
mm (ft-in)



A	Overall length	4,783	15'8"
B	Overall width	1,740	5'9"
D	Overall width of upperstructure	1,540	5'1"
E	Overall height of Cab	2,505	8'3"
F	Clearance of under counterweight	525	1'9"
H	Min. Ground clearance	167	0'7"
I	Tail swing radius	900	2'11"
J	Tumbler distance	1,680	5'6"
K	Track length (without grouser)	2,104	6'11"
M	Track gauge	1,440	4'9"
N	Track shoe width	300	1'0"
P	Ground clearance of blade up	383	1'3"
Q	Depth of blade down	447	1'6"
O	Height of blade	371	1'3"

Working Range

	Boom Length	2.4m (7'10")	
	Arm Length	1.6m (5'3")	1.3m (4' 3")
A	Maximum Digging Reach	5,580 (18' 4")	5,290 (17' 4")
A'	Digging Reach on Ground	5,460 (17' 11")	5,170 (17' 0")
B	Max Digging Depth	3,280 (10' 9")	2,980 (9' 9")
B'	Max digging depth (8 ft level)	2,850 (9' 4")	2,500 (8' 2")
C	Vertical Digging Depth	2,540 (8' 4")	2,250 (7' 5")
D	Maximum Digging Height	5,020 (16' 6")	4,820 (15' 10")
E	Maximum Dumping Height	3,615 (11' 10")	3,415 (11' 2")
F	Minimum	2,425 (7' 11")	2,350 (7' 9")



HD Construction Equipment India Pvt. Ltd.

Factory Location

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