

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 (2,990 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)

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

Weight (Approximate)

Operating weight, including 2,400mm (7'10") Boom, 1300mm (4'3") Arm, SAE heaped 0.11m³ (0.14yd³) excavator bucket, steel track, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

Shoe Width	Steel 300mm (12")
Operating Weight	3880 kg (8554 lb)
Ground Pressure	0.36 kg/cm ² (5.1 psi)

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	1,550	5'1"
D Overall width of upperstructure	1,540	5'1"
E Overall height of Cab	2,490	8'2"
F Clearance of under counterweight	525	1'9"
H Min. Ground clearance	295	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	1,250	4'1"
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

	mm	(ft-in)
Boom Length	2400 mm	
Arm Length	1300 mm	
A Maximum Digging Reach	5,287 (17'4")	
A' Digging Reach on Ground	5,165 (16'11")	
B Max Digging Depth	2,967 (9'9")	
B' Max digging depth (8 ft level)	2,489 (8'2")	
C Vertical Digging Depth	2,064 (6'9")	
D Maximum Digging Height	4,826 (15'10")	
E Maximum Dumping Height	3,425 (11'3")	
F Minimum Swing Radius	2,800 (9'2")	

HX33A



* Design aesthetics & features may vary from actual

HD Construction Equipment India Pvt. Ltd.

Factory Location

Plot No. A-2, M.I.D.C. Chakan, Phase II,
Village: Khalumbre, Taluka: Khed, Dist: Pune-410501
E mail: hyundai.care@theconnectionsindia.com
Toll Free No.: 1800 209 8600

Please Contact

@in.hd-hyundalcem @hdhyundalcemindia @HDHyundaiCIndia
@HDHyundaiCIndia @HDHyundaiCIndia @HyundaiCIndia

Scan the QR code
with your phone
camera & visit



JULY 2026

OPERATING WEIGHT: 3880 Kg

GROSS POWER: 25.2 PS

BUCKET CAPACITY: 0.11 m³ GP



HX33A



PRODUCTIVITY

1. Efficient, Tier 4 Kubota Engine
2. Advance Hydraulics System
3. Faster Swing Speed
4. Higher Digging Forces



EFFICIENCY

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



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



STRUCTURE & DURABILITY

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

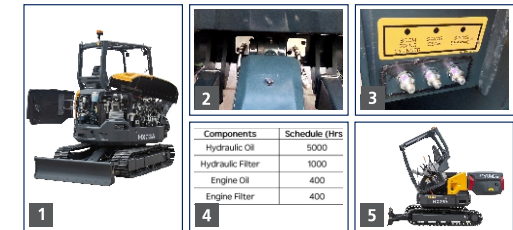


COMFORT INTELLIGENCE™



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. Cylinder Guards - Boom, Arm & Bucket
4. Safety Lever & Emergency Stop

