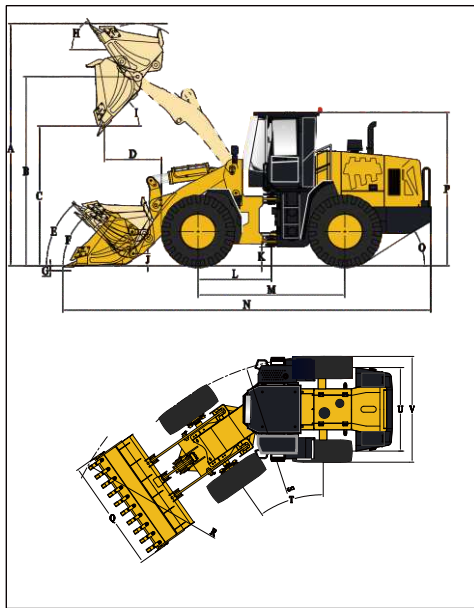


SPECIFICATIONS

DIMENSIONS

All dimensions are approximate. Dimensions may vary with bucket and tire choice. Refer to operating specifications.



NO.	DESCRIPTION	UNIT	STD Dump	High Dump
A	Overall Height – Bucket Raised	mm	5264	5545
B	Bucket Pin Height at Max. Lift	mm	4115	4478
C	Dump Clearance at Max. Lift (45°)	mm	3056	3400
D	Reach at Max. Lift and 45° Dump	mm	1330	1254
E	Rack Back Angle at Carry	°	45	51.1
F	Rack Back Angle at Ground	°	41	44.8
G	Digging Depth	mm	50	50
H	Rack Back Angle at Max. Lift	°	57	56
I	Dump Angle at Max. Lift	°	43	44.5
J	Carry Height	mm	284	204
K	Ground Clearance	mm	398	398
L	Center Line of Front Axle to Hitch	mm	1650	1650
M	Wheel Base	mm	3300	3300
N	Overall Length	mm	8288	8567
O	Departure Angle	°	28	28
P	Height to Top of Cab	mm	3400	3400
Q	Overall Width over Bucket	mm	3000	3000
R	Min. Turning Radius over Bucket	mm	7264	7374
S	Min. Turning Radius over Tires	mm	6341	6353
T	Steering Angle – Left/Right	°	35	35
U	Width at Tread Center	mm	2240	2240
V	Overall Width over Tires	mm	2835	2835

TECHNICAL PARAMETERS

Basic	Bucket Capacity	3.0m³
	Rated Payload	5000kg
	Max Operating Weight	17600 Kg
	Max Traction Force	178 kN
	Breakout Force	186 kN
Engine	L×W×H	8288(8567)×3000×3400mm
	Maker/Model	Weichai /WP8G231E671
	Rated Power	228 HP (170kw) @ 2200 rpm
	Maximum Torque	1200Nm/1500rpm
	Bore x Stroke (mm)	126×130mm
	No. of Cylinders /Displacement	6/7.47L
	Air Cleaner	Three Stage Air Cleaner
	Alternator	70Amp
	Battery	2-24V/120Ah
	Starting Motor	24V/7.5kW
DRIVE TRAIN	Transmission Type	Planetary Powershift
	Shift Type	Mechanical Powershift Control
	Pressure of Transmission	1.1-1.5MPa
	Torque Converter Type	Single-stage, Duo-turbine, 4-element
	Axles	Rigid (Front)&Oscillating (Rear)
	Rear Axle Oscillation (°)	±10°
	Differential	Conventional
	Main Reducer	Spiral Bevel, 1-stage Reduction
	Final Reducer	Planetary Reduction
	Tire	23.5-25 L-3 16PR TT
	Travel Speed-Forward	10.2/35 km/h
	Travel Speed-Reverse	16 km/h
	Service Brake	Gas Push Oil Caliper Brake
	Setting Pressure	0.70-0.78MPa
	Parking Brake	Air Actuated Caliper Brake
BRAKE SYSTEM	Emergency Brake	Air Actuated Caliper Brake
	Type	Hydraulic Load Sensing System
STEERING SYSTEM	Pump	220L/min-2200rpm
	System Pressure	15MPa
	Cylinder Type	Double Acting
HYDRAULIC SYSTEM	Steering Angle	±35°
	Type	Joystick Control (Single-lever)
	Pump	220L/min-2200rpm
	Control Valve	2 Spool
	System Pressure	18MPa
SERVICE REFILL CAPACITY	Cycle Time (Sec)	11
	Fuel Tank (L)	285L
	Hydraulic Tank (L)	265L
	Crankshaft (L)	17L
	Transmission (L)	48L
	Front Axle/Rear Axle (L)	28L/28L

STANDARD CONFIGURATION

WEICHAI BSV ENGINE
Mechanical Power-shift Control
Dry-Type Axle
Joystick Working Control (Single Lever)
Air Actuated Caliper brake
ROPS & FOPS Cabin
Air Condition and Heating
Tilttable Steering
Digital LCD Display
Rear View Camera
FAN inside Cabin
Beacon
USB Charger
Sun Visor
Front Cabin Guard
Radio/MP3 Music System
Lockable Oil Tank Cap
Oil Bath Filter (Standard)
RMS (Remote Management System)

OPTIONAL CONFIGURATION

High Dump
Radial & Tubeless Tires
3rd Spool for auxiliary Function
Sliding Cabin Window
Wet Drive Axle
ZF Transmission
Rock Bucket - 2.7 m3
GP Bucket - 3.2 m3
Coal Bucket - 4.5 m3
Light Material Bucket - 5.0 m3
Bucket - 3 Piece Cutting Edge

SERVICE REFILL CAPACITY

Engine Oil	22 Ltr
Hydraulic Oil	165 Ltr
Transmission Oil	48 Ltr
Axle Oil	56 Ltr
Brake Oil	5.4 Ltr

HL650I-V



HD Hyundai Construction Equipment India Pvt. Ltd.

Factory Location

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Village: Khalumbre, Taluka: Khed, Dist: Pune-410501
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Please Contact

Scan the QR code
with your phone
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March 2025

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Operating Weight : 17600 - 18310 Kg

Emission : BSV Certified

Gross Power : 228 HP (170 kw) @2200 rpm

Bucket Capacity : 2.7 - 5.0 m³

Payload : 5000 Kg



HYUNDAI
CONSTRUCTION EQUIPMENT
INDIA

DESIGNED FOR SMART WORK

HL650I- V

MINING AND QUARRY SOLUTION

OPERATOR COMFORT

- Fully Adjustable Suspension Seat
- Spacious Cabin - 360° View
- High Performance - Air Conditioning
- Sun Visor
- Fan
- Ergonomic Positioned - Switches and Pilot Control
- USB Charger
- Music System
- LED Lights inside cabin
- Ergonomic Hand Rest
- Tilttable Steering Column
- Digital LED Display

SAFETY FEATURES

- ROPS /FOPS Cabin - Standard
- Cabin Front Guard - Standard
- Rear View Camera - Standard
- Battery Cut-off Switch
- Beacon
- Guard for Lamps
- Engine Emergency Cut off Switch
- Articulation Lock
- Steps & hand Rail
- Large External Mirror

ELECTRICAL SYSTEM

- LED working lights
- LED Cabin Lamp
- 5" Digital LCD display
 - a) Work Status
 - b) Error Code Display
 - c) Warning Indicators
- On board Diagnostics (OBD)
- RMS (Remote Management System)



HIGH PERFORMANCE

- 228 HP BSV Compliant Electronic Engine
- 1200Nm - Higher Torque
- 4 Valve Technology - Efficient Combustion
- 3 Working Mode - L/M/H
- High Fuel Efficiency
- Low Noise
- Z bar linkage with high breakout force
- Faster Cycle time
- Hydraulic operated pilot with Return to dig feature

PROVEN DRIVELINE SYSTEM

- Transmission
 - Fixed shaft type , power shift transmission
 - Proven Quality - High Reliability
 - Simple Design - Easy to Service
- Axle
 - Dry Type - Standard / Wet Type - Option
 - Highly Durable - Suited for Long working hours
 - ZF make Axle - Option Available

WIDE RANGE OF BUCKETS

- Suitable for various applications as per customer requirements

Standard		Option		
GP	Rock/HD	GP	Coal	Light Material
3.0	2.7	3.2	4.5	5.0

SIMPLIFIED MAINTENANCE

- Large side doors for easy reach to Maintenance Points
- Display of error codes on instrument cluster - faster resolution of any issues
- 24x7 service and Parts availability through Hyundai authorized Dealership