

# HL635L

With Tier 2 / Stage II Engine Installed

OPERATING WEIGHT: 10,300kgs

GROSS POWER : 92KW @ 2,300 rpm

BUCKET CAPACITY: 2m<sup>3</sup>

Max. Speed: 36.0 km/h



# HIGH FUEL EFFICIENCY AND PERFORMANCE



## Powerful, Fuel Efficient and Energy-saving Engine

Weichai turbocharged engine are built for maximum power, reliability and optimum fuel efficiency. These engines meet the emission standards EPA Tier II, EU Stage II. Weichai WP6(HL635L) engine has power of 92kW. The Weichai engines provide more energy saving and stronger power.



## Reliable and Proven Transmission

Shantui Transmission & Torque converter (HL635L) is best matching with Weichai WP6 engine. Shantui Transmission & Torque converter is reliable and easily for operation to suit in all requirements of working situations.



## Durable and Sturdy Axle

Feicheng Yunyu durable and sturdy front and rear axle provides running stability, good performance even in poor jobsite conditions, and maximization of the operation capability.

## HL635L CATALOG INFORMATION

Specification		Unit	HL635L
Engine	Model	-	VP6G125E23
	Power	kW	92
Operation Weight		kg	10,300
Bucket Capacity		m <sup>3</sup>	1.5-3.0
Rated Operating Load		kg	3,000
Breakout Force		kN	100
Overall Length		mm	7,040
Wheelbase		mm	2,750
		-	35
		mm	7,040x2,460x3,200
Horizontal Pass Radius (Outside of Bucket)		mm	6,040
Minimum Turning Radius (Outside the Tire)		mm	5,544
Dumping Height		mm	2,850
Clearance Range		mm	1,000
Max. Breakout Force		kN	100
Max. Tractive Force		kN	95
Driving Speed	Forward I/III/IV	km/h	7/13/24/36
	Reverse V/II	km/h	9/29
Work Device Cycle Time	Raise	sec	≤5.1
	Dump Time	sec	≤1.4
	Float Down Time	sec	≤2.6
	Fastest Total Cycle Time	sec	≤9.1

# OPERATOR FRIENDLY DESIGNED CAB



## Spacious Cab with Excellent View

Spacious cab designed with ergonomics approach boasts low noise and excellent view; arcshaped front window, large rear window & side windows offer wide view in all directions.



## Excellent Air Circulation System

Excellent air conditioning and circulation system provide operators with more comfortable working environment.



## Storage Spaces with Multiple Functions



## Suspension Seat

It can be adjusted to the position optimized for driver's weight and size reducing operator's fatigue.



## Centralized Monitoring Panel

Centralized monitoring panel designed with simplicity of ergonomics that shows working conditions and warning lights at a glance.



## Air Purification Filter

It effectively filters dusts out of the cab to keep the air clean and fresh.



## Customized Operation with Joystic Control



## Large Side Mirror

Large side mirror ensures the operator's driving safety.



## Specifications

### ENGINE

Description	Unit	HL635L
Emission Regulation	-	Tier 2
Model	-	WP6G125E23
Gross Power	hp/rpm	125/2,300
	kV//rpm	92/2,300
Net Power	hp/rpm	113/2,300
	kV//rpm	83/2,300
Peak Torque	Nm/rpm	500/1,400-1,500
Torque Rise	%	30
Displacement	cc	6,750
Number of Cylinders	-	6
Aspiration	-	Turbocharged

### TRANSMISSION

Description	Unit	HL635L
Transmission Type	-	Fixed Axis Power Shift
Transmission Configuration	-	4f-2r
Torque Converter	-	3 Element-Single Stage
Maximum Travel Speed, fwd	km/h	36
Maximum Travel Speed, rev	km/h	29
Number of Speed, fwd	-	4
Number of Speed, rev	-	2

### AXLES

Description	Unit	HL635L
Differential Front Type	-	Conventional Only
Differential Rear Type	-	Conventional Only
Axle Oscillation	°	±10

### HYDRAULIC SYSTEM

Description	Unit	HL635L
Main Pump Type	-	Gear
Main Relief Pressure	MPa	16
Raise	sec	≤5.1
Dump Time	sec	≤1.4
Float Down Time	sec	≤2.6
Fastest Total Cycle Time	sec	≤9.1

### LOADER PERFORMANCE

Description	Unit	HL635L
Operation Weight	kg	10,300
Rated Load	kg	3,000
Tipping Load	kN	65
Full Turn Tipping Load	kN	60
Bucket Breakout Force	kN	100
Maximum Dump Angle at Full Height	°	45
Dump Clearance at Full Height Discharge	mm	2,850
Dump Reach at Full Height Discharge	mm	1,000
Reference Bucket	m <sup>3</sup>	1.7
Bucket Rollback at Ground Level	°	48
Maximum Hinge Pin Height	mm	3,683

### SERVICE CAPACITIES

Description	Unit	HL635L
Fuel Tank	L	180
Engine Oil	L	13
Cooling System	L	40
Hydraulic Reservoir	L	180
Transmission and Torque Converter	L	37
Axles, Each	L	40



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PLEASE CONTACT