

MOVING YOU FURTHER



HL770-9

With Tier 3 Engine installed



*Photo may include optional equipment.

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ENGINE

Maker/Model	HYUNDAI IHE 8.9
Type	Watercooled, 4-cycle, turbocharged, charge aircooled direct injection, electronic controlled diesel engine
Gross power	280HP(209 kW) / 2,000rpm
Net power	277HP(207 kW) / 2,000rpm
Max. power	310HP(231 kW) / 1,600~1,700rpm
Maximum torque	148kg.m(1,070 lb.ft) / 1,400rpm
No. of cylinders	6
Bore x Stroke	114 mm (4.5") x 145 mm (5.7")
Displacement	8.9 ℓ (543 cu in)
Compression ratio	17.8 : 1
Air cleaner	Dry, two stage dual elements
Alternator	24V, 70 Amp
Battery	2 x 12V, 160 Ah.
Starting motor	24V, 7.5 kW

☑ No derating for continuous operating required up to 1,829m (6,000ft).
This engine meets the EPA(Tier III) / EU(Stage III -A) Emission regulation.

TRANSMISSION

Torque converter type	3-elements, single-stage single-phase
Tire	26.5-25, L3

☑ Full automatic power shift, countershaft type with soft-shift in range and direction. Properly matched torque converter to engine and transmission for excellent working ability

Travel speed		km/h (mph)
Forward	1st	6.9(4.3)
	2nd	12.3(7.6)
	3rd	26.9(16.7)
	4th	41.0(25.5)
Reverse	1st	6.9(4.3)
	2nd	12.3(7.6)
	3rd	26.9(16.7)

Specification

HYDRAULIC SYSTEM

Type	Load sensing hydraulic system	
Pump	Variable axial piston pump, 359 liters/min 94.8 gal/min	
Control valve	2 Spool (Bucket, Boom) 3 Spool (Bucket, Boom, Aux) Pilot pressure controlled type	
System pressure	280 kgf/cm ² (3,982 psi)	
Bucket Controls	Type	Pilot operated lift and tilt circuit, single-lever(joystick) control standard.
	Lift Circuit	The valve has four functions ; raise, hold, lower and float. Can adjust automatic kickout from horizontal to full lift.
	Tilt Circuit	The valve has three functions ; tilt back, hold and dump. Can adjust automatic bucket positioner to desired load angle.
Cylinder	Type : Double acting No. of cylinders-bore x stroke; Lift 2-160 mm(6.2") x 765 mm(30.1") Tilt 1-180 mm(7.0") x 570 mm(22.4")	
Cycle Time	Raise : 5.4 sec Dump : 1.3 sec Lower : 2.8 sec Total : 9.5 sec	

AIR CONDITIONING SYSTEM

The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. (Global Warming Potential : 1430)
The system hold 0.85kg refrigerant consisting of a CO₂ equivalent 1.22kg metric tonne. For more information, Please refer to the manual

AXLES

Drive system	Four-wheel drive system
Mount	Rigid front axle and oscillating rear axle
Rear axle oscillation	± 11° (total 22°)
Hub reduction	Planetary reduction at wheel end
Differential	Conventional
Reduction ratio	23.334