

# HL775 -9S

With Tier 3 Engine installed

## Specification

### ENGINE

Maker/Model	CUMMINS QSM11	Bore x Stroke	125mm(4.92") x 147mm(5.79")
Type	Watercooled, 4-cycle, turbocharged, charge aircooled direct injection, electronic controlled diesel engine	Displacement	10.8L (659 cu in)
Gross power	300HP (224kW) / 2,000rpm	Compression ratio	16.3 : 1
Net power	285HP (213kW) / 2,000rpm	Air cleaner	Dry, two stage dual elements
Max. power	343HP (256kW) / 1,800rpm	Alternator	24V, 70 Amp
Maximum torque	161kg-m (1,165lb-ft) / 1,400rpm	Battery	2x12V,220Ah
No. of cylinders	6	Starting motor	24V, 7.8 kW

No derating for continuous operating required up to 3,048m(10,000ft). This engine meets the EPA(Tier III) / EU(Stage III-A) Emission regulation.

### TRANSMISSION

Torque converter type	3-elements, single-stage single-phase	Travel speed	km/h (mph)
Tire	26.5 R25, L3	Forward	1st 7.0(4.3)
			2nd 12.3(7.6)
			3rd 25.8(16.0)
			4th 37.0(23.0)
		Reverse	1st 7.0(4.3)
			2nd 12.3(7.6)
			3rd 25.8(16.0)

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

### AXLES

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

### HYDRAULIC SYSTEM

Type	Open-centered, tandem circuit system	Bucket Controls	Type	Pilot operated lift and tilt circuit, single-lever(joystick) control standard.
Pump	Fixed Gear type, 434 liters/min (114.6 gal/min)@gal/min		Lift Circuit	The valve has four functions ; raise, hold, lower and float. Can adjust automatic kickout from horizontal to full lift.
Control valve	2 Spool (Bucket, Boom) 3 Spool (Bucket, Boom, Aux) Pilot pressure controled type		Tilt Circuit	The valve has three functions ; tilt back, hold and dump. Can adjust automatic bucket positioner to desired load angle.
System pressure	210 kgf/cm <sup>2</sup> (3,046psi)			

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MOVING YOU FURTHER



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\*Photo may include optional equipment.

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CONSTRUCTION EQUIPMENT