

ENGINE

Maker / Model	HYUNDAI / HM8.3
Type	6 cylinder, water cooled, 4-cycle, turbocharged, charge air cooled, direct injection, mechanical controlled diesel engine.
Gross Power	194 kW (260 HP) at 2,200 rpm
Net Power	190 kW (255 HP) at 2,200 rpm
Max. Power	195 kW (261 hp) at 2,000 rpm
Peak Torque	1,150 N-m (848 lb.ft) at 1,300 rpm
Displacement	8.3 l (506 cu in)

HYDRAULIC SYSTEM

MAIN PUMP

Type	Variable displacement tandem axis piston pumps
Max. flow	2x306lpm
Sub-pump for pilot circuit	Gear pump

Cross-sensing and fuel saving pump system.

HYDRAULIC MOTORS

Travel	Two speed axial pistons motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake

RELIEF VALVE SETTING

Implement circuits	350 kgf/cm ² (4,980 psi)
Travel	350 kgf/cm ² (4,980 psi)
Powerboost (boom, arm, bucket)	380 kgf/cm ² (5,400 psi)
Swing circuit	300 kgf/cm ² (4,270 psi)
Pilot circuit	40 kgf/cm ² (570 psi)
Service valve	Installed

HYDRAULIC CYLINDERS

No. of cylinder bore X stroke	Boom 2-Ø150x1,480 mm
	Arm 1-Ø160x1,685 mm 1-Ø170x1,685 mm (6.15, 6.45 HD Only)
	Bucket 1-Ø140x1,285 mm 1-Ø145x1,285 mm (2.20 Only)

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	29,500 kgf (65,030 lbf)
Max. travel speed (high / low)	6.4 km/hr (3.98 mph) / 3.6 km/hr (2.11 mph)
Gradeability	35° (70%)
Parking brake	Multi wet disc

SWING SYSTEM

Swing motor	Fixed displacement axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	11.2 rpm

COOLANT & LUBRICANT CAPACITY

	liter	US gal	UK gal
Fuel tank	600	158.5	132
Engine coolant	25	6.6	5.5
Engine oil	26.5	7.0	5.8
Swing device	11	2.91	2.42
Final drive (each)	8.0 (7.8)	2.06	1.72
Hydraulic system (including tank)	414	109.4	91.06
Hydraulic tank	210	55.5	46.2

UNDERCARRIAGE

The X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing springs and sprockets, and a track chain with double or triple grouser shoes.

Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	48 EA
No. of carrier roller on each side	2 EA
No. of track roller on each side	9 EA
No. of rail guard on each side	2 EA

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 6,450 mm (21' 2") boom, 3,200 mm (10' 6") arm, SAE heaped 1.44 m³ (1.88 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

OPERATING WEIGHT

Shoes		Operating weight		Ground pressure
Type	Width mm (in)	kg (lb)		kgf/cm ² (psi)
Triple grouser	600 (24")	HX340S L	33,000 (72,750)	0.64 (9.03)
	700 (28")	HX340S L	33,570 (74,010)	0.55 (7.88)
	800 (32")	HX340S L	33,950 (74,850)	0.49 (6.97)

AIR CONDITIONING SYSTEM

The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. (Global warming potential : 1,430)

The system hold 0.8 kg refrigerant consisting of a CO₂ equivalent 1.14 kg metric tonne. For more information, please refer to the manual.



Photo may include optional equipment.

Gross Power
194 kW (260 HP) at 2,200 rpm

Net Power
190 kW (255 HP) at 2,200 rpm

Bucket Capacity
1.44 m³ (1.88 yd³)

Operating Weight
33,000 kg / 72,750 lb

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