

HL710S

Hydraulic rock drill

Key features

Hole diameter range	54 - 89 mm
Kinetic power	20 kW
Percussion rate	52 Hz
Percussion pressure	Up to 190 bar
Rotation pressure	Up to 200 bar
Rotation motor range	OMT 200 / 250
Shank length	600 mm

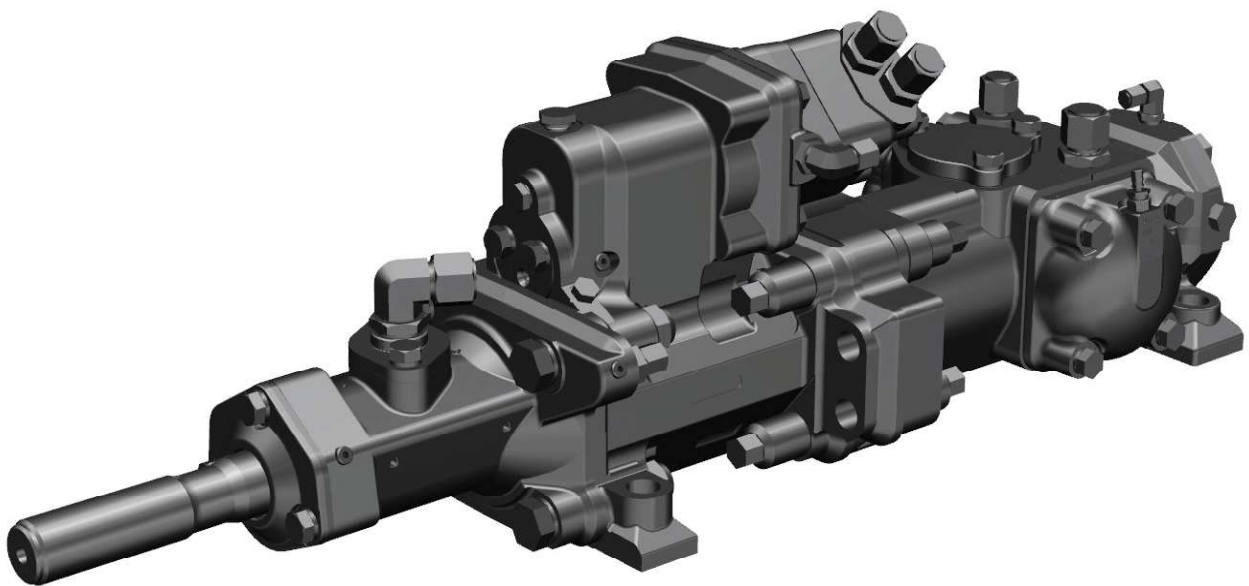
Rock tools and hole diameters

Thread	Rod Ø (mm)	Hole Ø (mm)
T35	39	54 - 57
T38	39	64
T45	46	76
T45	65 (tube)	76 - 89
T51	52	89

Sandvik HL710S is a hydraulic top hammer rock drill designed for DL2710 and DL2720 underground longhole drills. It is capable of drilling Ø54 ... 89 mm holes up to 38 meters in depth, using T35, T38, T45, T51 MF-rods or Ø65 mm tube rods.

The HL710S hydraulic rock drill is designed to ensure high drilling capacity, easy maintenance and low operating cost. The construction of the rock drill is based on the main body modules tied together with four short side bolts; this ensures minimum number of joint faces and large contact surfaces. The percussion module is simple in design and consists of only two moving parts – the piston and the distributor sleeve around the piston. The moving parts are not in contact with the rock drill body modules.

There are two rotation motor variants to meet the rotation torque and RPM requirements of different hole diameters and rock formations. The optional power extractor is used for opening rock tool joints manually. The design of the HL710S is covered by several patents.



Rotation mechanism

Motor	Orbit type	
Motor type	OMT 200	OMT 250
Torque (200 bar)	1095 Nm	1335 Nm
Rotation speed	0 - 180 rpm	0 - 180 rpm
Flow (at max.speed)	79 l/min	99 l/min

Flushing pressure

Max. pressure (air / water)	20 bar
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Shank lubrication

Air flow	200 - 300 l/min
Pressure	4 - 7 bar
Oil consumption	400 - 850 g/h

Oil recommendation

Oil operating temperature	+40°C up to +60°C
Oil recommendation	See Sandvik drill lubricant recommendation for detailed information

Main dimensions

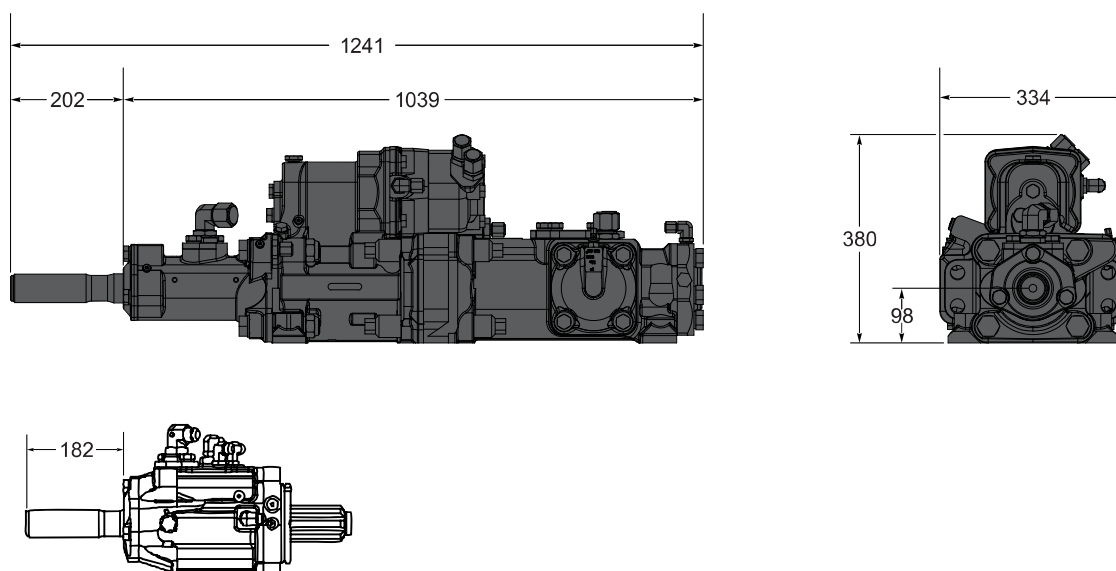
Overall length (A)	1241 mm
Length (B)	1039 mm
Profile height (C)	282 mm
Width	334 mm
Weight	245 kg

Accumulators

Accumulator gas	Nitrogen N2
High pressure (HP)	50 bar
Low pressure (LP)	4 bar
Filling valve	Vg8 DIN7756

Option

Special tools for HL710S Complete set	Specification TS2-449
Special tools for HL710S Field kit	Specification TS2-450
Power extractor	See separate specification



All dimensions in mm

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