

# DRIFTER HL820T

## TECHNICAL SPECIFICATION

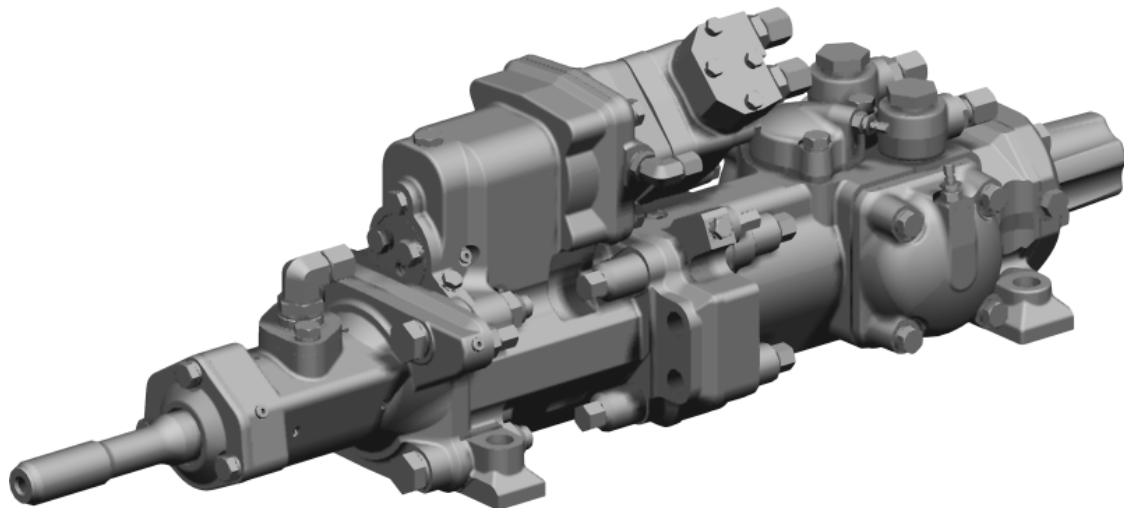
HL820T hydraulic rock drill is designed for drilling 64 - 127 mm diameter holes in Sandvik hydraulically controlled surface long hole drill rigs.

HL820T is a heavy hydraulic percussive rock drill with independent rotation and separate flushing. High drilling capacity and reliability are enabled by functional modules. HL820T is equipped with a hydraulic stabilizer to control contact between drill bit and rock. This ensures optimal drilling performance with high drill steel life time. Three rotation motor options are available for torque/speed adjustment.

Optional Power Extractor guarantees trouble-free drilling in extreme conditions. The design is covered by several patents.

### KEY FEATURES

Hole diameter	64 - 127 mm
Power class	21 kW
Percussion rate	53 Hz
Operating pressure	200 bar 80 – 200 bar (percussion) 200 bar (rotation max.)
Rotation motortype	OMT 200, OMT 250, OMT 315
Drill steels	38 mm / 45 mm / 51 mm
Shank adapter	Male type, side flushing
38 mm rods (Not optimal)	T38 / 600
45 mm rods	T45 / 600
51 mm rods (Optimal)	T51 / 600



#### MAIN DIMENSIONS

Overall length	1 342 mm
Length	1 140 mm
Profile height	291 mm
Width	334 mm
Weight	265 - 310 kg

#### ROTATION MECHANISM

Motor	Orbit type (3 options)		
Motor type	OMT200	OMT250	OMT315
Torque (200 bar)	1 095 Nm	1 335 Nm	1 765 Nm
Rotation speed	0 - 180 rpm	0 - 180 rpm	0 - 180 rpm
Flow (at max. speed)	79 l/min	99 l/min	128 l/min

#### FLUSHING

Max. pressure (air / water)	20 bar
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#### ACCUMULATORS

Accumulator gas	Nitrogen N2
High pressure (HP)	50 bar
Low pressure (LP)	4 bar
Stabilizer	30 bar
Filling valve	Vg8 DIN 7756

#### SHANK LUBRICATION

Air flow (pressurized)	200 - 300 l/min
Air pressure (at rock drill)	4 - 7 bar
Oil consumption	250 - 550 g/h

#### OIL RECOMMENDATIONS

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

#### OPTIONS

Power extractor	See separate specification
Tools for HL820T Complete set	ID 551 50623
Tools for HL820T Field service set	ID 550 05529

