

# DRIFTER HL650

## TECHNICAL SPECIFICATION

HL650 hydraulic rock drill is designed for drilling 64–102 mm diameter holes. HL650 is used in surface drill rigs.

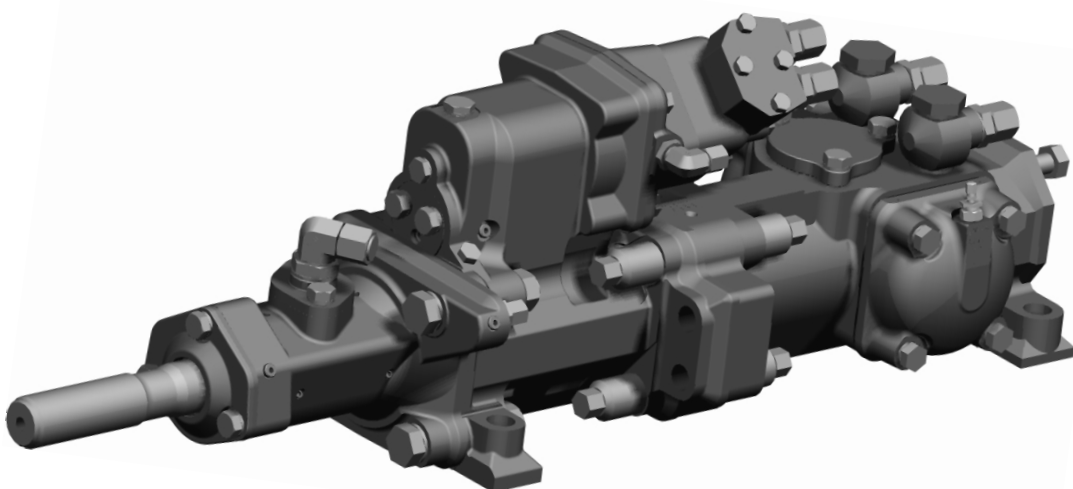
HL650 is a heavy hydraulic percussive rock drill with independent rotation and separate flushing. High drilling capacity and reliability are achieved through functional modules.

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 drilling	64 - 102 mm
Power class	17.5 kW
Percussion rate	44 - 56 Hz
Operating pressure	
Percussion	100 - 170 bar
Rotation (max.)	200 bar
Rotation motortype	OMT 200, OMT 250 or OMT 315
Drill steels	38 mm 45 mm 51 mm
Shanks	
38 mm rods	T38 / 600
45 mm rods	T45 / 600
51 mm rods	T51 / 600
Weight	245 - 300 kg



#### ROTATION MECHANISM

Motor	Orbit type
Motor type 1	OMT 200
Torque (at 175 bar)	1 095 Nm
Rotation speed	0 - 180 rpm
Flow (at max speed)	79 l/min

#### ROTATION MECHANISM

Motor	Orbit type
Motor type 2	OMT 250
Torque (at 175 bar)	1 335 Nm
Rotation speed	0 - 180 rpm
Flow (at max speed)	99 l/min

#### ROTATION MECHANISM

Motor	Orbit type
Motor type 3	OMT 315
Torque (at 175 bar)	1 766 Nm
Rotation speed	0 - 180 rpm
Flow (at max speed)	128 l/min

#### FLUSHING PRESSURE

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
Filling valve	Vg8 DIN7756

#### SHANK LUBRICATION

Air flow	200 - 300 l/min
Pressure	4 - 7 bar
Oil consumption	250 - 550 g/h

#### OIL RECOMMENDATION

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

#### OPTION

Special tools for HL650 / Complete set	ID 150 73078
Special tools for HL650 / Field tools set	ID 150 73488
Power extractor	See separate specification

