

## Leopard DI650i T4F/S5 SURFACE DRILLS

**TECHNICAL SPECIFICATION** 

Leopard DI650i is a diesel powered, self-contained crawler mounted intelligent down-the-hole drill rig designed for demanding high-capacity production drilling applications in surface mining, as well as large-scale quarry applications. The drill is equipped with an operator's cabin, fixed boom, dry dust collector, drill pipe changer and incorporates a state-of-art design and layout.

KEY FEATURES	
Hole diameter:	115 - 203 mm (4½" – 8")
Drill pipes:	89, 102, 114, 127 and 140mm* (3½", 4", 4½", 5" and 5 ½"*)
DTH-Hammer	4", 5", 6" (optimum size)
Engine output:	403 kW/1800 rpm (Tier 4F / Stage V)
Air delivery	28,3 m³/min (1000cfm) working pressure up to 30 bar (435 psi)
Production capacity:	2,1 Mt/a, one shift operation
Total weight :	25,100 kg (55,336 lb) dry weigth

\*with MRH6 option

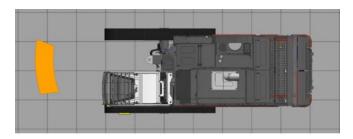


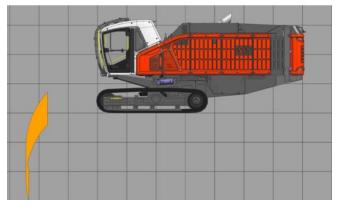
## STANDARD COMPONENTS Rotary head HTRH6 Chain feed Pipe changer, indexing carousel type Fixed boom Cabin iCAB Carrier, track mounted Powerpack, diesel driven, hydraulic pumps and onboard compressor Dust collector X-200 Hydraulic system, electric load sensing Control system, PLC controlled proportional electro- hydraulics Working lights, 9 pcs Service lights in engine compartment, 5pcs 1 Set Manuals, paper copy 1 Set Manuals, USB memory

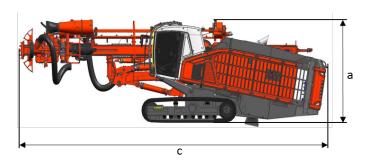
THE JAWS FOR DRIL	L STEELS	
DRILL STEEL TYPE	DRILL STEEL	RECOMMENDED
	DIAMETER	HOLE DIAMETER
Pipes	89 mm	115 - 127 mm
		41/2" - 5"
Pipes	102/114 mm	140 - 172 mm
		5 ½" – 6 ¾"
Pipes	127/140 mm	152-203 mm
		6"- 8"

SELECTION OF OPTIONS
Alternative seat with 3-point seat belt and air cushioning
H13 Cabin filter, HEPA
Cooler bag in cabin
Radio CD/MP3 Bluetooth, Handsfree, DAB
Radio with CD-MP3 player
Reversing camera
Roller blinds for cabin windows
Explosion proof cabin window
Heated mirrors
Emergency glass breaker hammer (additional outside of the cabin)
Kit for alternative pipes, each
Service winch (requires remote control-, or full-radio option)
Thread greasing
Full cycle one hole automatic drilling
Compressor flow control system
MRH6 HD Rotation head, up to 203mm hole size and 140mm drill pipes
Central lubrication system Lincoln
Central lubrication system Sandvik
Electric fuel filling pump
Electric hydraulic oil filling pump
Fast fill connection for engine coolant, hydraulic and engin
Fast fill connection for fuel Wiggins
Fluid service fill safety lock out
Fire suppression system Sandvik Eclipse, automatic
Fire suppression Ansul (hybrid), automatic
Guides for grousers
Hydraulic rear ground support
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SELECTION OF OPTIONS







## DIMENSIONS

Weight	25,100 kg (55,336 lbs) (dry weight)
Width	3.00 m (9.8 ft)
Height	a, 3.5/4.2 m (11.5/13.8 ft), transportation/on site operation
Total length	c, 12.4 m (40.7 ft)

Sandvik Mining and Rock Technology reserves the right to make changes to the information on this data sheet without prior notification to users. Please contact a Sandvik representative for clarification on specifications and options.

ROCKTECHNOLOGY.SANDVIK