

**High power compact top-hammer long hole drill,
four wheel drive articulated hydraulic jumbo,
for fully mechanized production from medium size drifts.**

Rock drill	Standard	Alternative
Model	Hydrastar 300 L	Hydrastar 350 L
Standard male shank ..	R 38 - T 38	R 38 - T 38
Weight	145 kg	155 kg
Impact frequency	40-55 Hz	40-60 Hz
Percussion pressure ...	160-180 bar	160-180 bar
Impact power	12-16 kW	14-18 kW

Drill feed

Model	LHF 2000
MF rod length	4 to 6 ft
Drill steel	Ø 39

Boom

Model	BLTC
Weight (with hoses)	1150 kg
Feed roll-over	360°
Feed tilt	Forward 33°+ 7° Back 52°+ 23°
Feed extension	1200 mm

Hydraulic control panel

Model	I.B.C.L.
Providing	auto smooth collaring precise anti-jamming back pressure for gravity compensation greatly reduced number of hoses electro-valves for remote control implementation

Portable electric remote control (optional)

When not applying Rod Carousel and helper

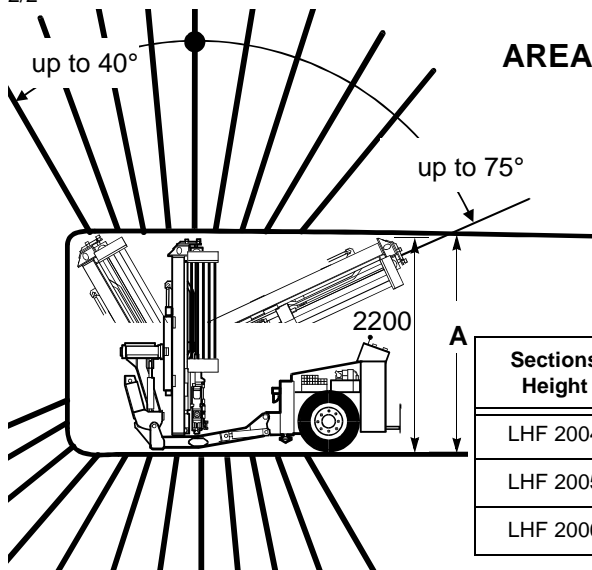
Controls	Percussion, Rotation, Flushing Drill feed (thrust, screwing, rod clamp, stingers)
----------------	--

Power Pack

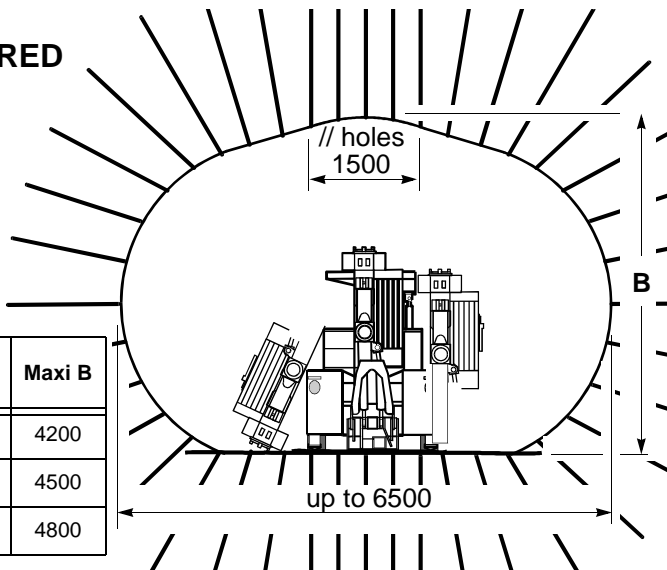
	Standard	Alternative
Model	P.P. 37 kW/3.2 Q	P.P. 45 kW/3.6 Q
Electrical motor	37 kW (50 hp)	45 kW (60 hp)
Hydraulic pump	fixed displacement, radial piston	

Tramming possibilities

Tramming speed	up to 6.5 km/h
Maximum operating grade	up to 35%
Weight, approximate	10100 kg



AREAS COVERED



Sections Height	Mini A	Maxi B
LHF 2004	3000	4200
LHF 2005	3300	4500
LHF 2006	3600	4800

Carrier Mercury LT

Service capacities

Fuel tank..... 60 litre

Hydraulic tank..... 200 litre

Engine

Diesel 4-cyl. Deutz F4L912W

Max. rating at 2300 rpm 55 hp (40 kW)

Cooling system..... Air-cooled

Exhaust treatment ECS purifier

Hydrostatic Transmission

One Pump Variable displacement
Axial piston, 0-75 cm³/rev

Four Wheel-motor Radial piston

Oscillation

Rear..... ± 6°

Wheels

Tyres..... 10.00 x 15

Steering 1 hydraulic cylinder

Steering control Stick steering

Articulation angle..... 35° either side from center line

Service Brake..... Hydrostatic transmission

Parking and Emergency Brakes

Type Hydraulic oil immersed
multiple disc brakes on each wheel

Actuation Emergency button
Spring applied, hydraulically released type

Stabilizers

Front..... 2 hydraulic jacks S.J. 2

Rear..... 2 hydraulic jacks S.J. 2

Oil Cooler

Type O.C. 25, water-actuated counterflow

Cooling capacity 25 kW

Protective telescopic canopy

Model..... T.C. 1

Lowering capability..... 750 mm

Rock Drill Lubrication

Compressor, piston type C.T. 2

Volume / Pressure..... 800 l/min - 4 bar

Motor Electric - 7.5 hp (5.5 kW)

Water Flushing

Water booster pump..... W.B.P. 2, centrifugal

Volume/Pressure..... 4000 l/h - 15 bar

Motor Electric - 5.5 hp (4 kW)

Electrical system

High/Low voltage..... Separate cabinets

Voltage *Standard* 380 - 660 V

Alternative 1000 V

Frequency 50 or 60 Hz

Cable Reel..... C.R.M.

Capacity 120 m of cable 32 mm O.D.

Lighting

Working light .. Two 24 V x 150 W halogen, W.L. 2.150

Tramming light Three 24 V x 70 W, T.L. 3.70

Tail light One 24 V x 15 W red light

Optional equipment

Portable electric remote control.

Safety cabin.

Fume diluter.

ANSUL Fire Suppression System LTA 101-30 (6 jets).

Spare wheel.

Electric cable.

Ground fault detector (not applicable to 1000 V).

Positioning lights, laser type.

Electronic inclinometers.

Extension Rod Handler and Carrousel E.R.H.C. 22.

Air & Water flushing for down holes drilling.

Automatic thread greasing system.

Front stinger.

Cuttings collector.