

**High power compact top-hammer long hole drill,  
four wheel drive articulated hydraulic jumbo,  
for production from very narrow drifts.**

<b>Rock drill</b>	<i>Standard</i>	<i>Alternative</i>
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

<b>Drill feed</b>	
Model .....	LHF 2000
Steel length .....	3 to 5 ft
Drill steel .....	∅ 39

<b>Boom</b>	
Model .....	BSL 360
Weight (with hoses) .....	800 kg
Feed roll-over .....	360°
Feed tilt .....	Forward ..... 30° Back ..... 70°
Feed extension .....	1200 mm

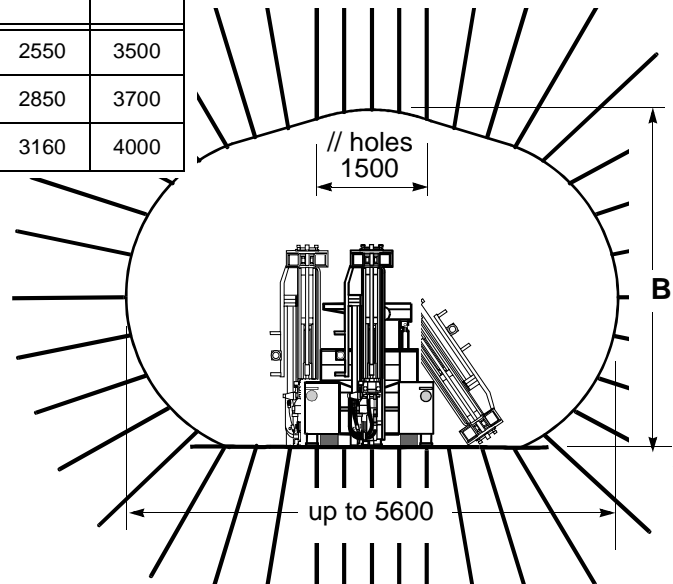
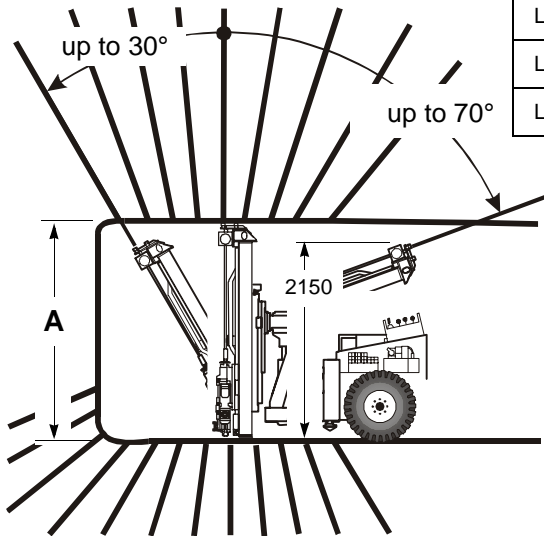
<b>Hydraulic control panel</b>	
Model .....	I.B.C.L
Providing .....	auto smooth collaring precise anti-jamming back pressure for gravity compensation greatly reduced number of hoses electro-valves for remote control implementation

<b>Portable electric remote control</b>	
Model .....	E.R.C.L
Controls .....	Percussion, Rotation, Flushing, Drill feed (thrust, screwing, rod clamp, stingers)

<b>Power Pack</b>	<i>Standard</i>	<i>Alternative</i>
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	

<b>Tramming possibilities</b>	
Tramming speed .....	up to 6.5 km/h
Maximum operating grade .....	up to 35%
Weight, approximate .....	7400 kg

Sections Height	Mini A	Maxi B
LHF 2003	2550	3500
LHF 2004	2850	3700
LHF 2005	3160	4000



**Carrier** ..... Quasar LT

**Service capacities**

Fuel tank..... 60 litre  
 Hydraulic tank..... 130 litre

**Engine**

Diesel ..... 3-cyl. Deutz F3L912W  
 Max. rating at 2300 rpm ..... 41 hp ( 30 kW )  
 Cooling system..... Air-cooled  
 Exhaust treatment ..... ECS purifier

**Hydrostatic Transmission**

One Pump ..... Variable displacement  
   Axial piston, 0-75 cm<sup>3</sup>/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..... 30° 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

**Rock Drill Lubrication**

Mine Air + Compressor ..... C.T. 1, piston  
 Volume / Pressure ..... 400 l/min - 4 bar  
 Motor ..... Electric - 4 hp ( 3 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.Q

Capacity ..... 100 m of cable 32 mm O.D.

**Lighting**

Working light ... One 24 V x 150 W halogen/W.L. 1.150  
   + One 24 V x 150 W halogen/W.L. 1.150  
   pedestal mounted  
 Tramming light ..... Three 24 V x 70 W/T.L. 3.70  
 Tail light..... One 24 V x 15 W red light

Caging dimensions and weight on primary dismantling		
	Front part	Rear part
Length ..... (mm)	2395	3135
Width ..... (mm)	1200	1200
Height ..... (mm)	1120	1270
Weight ..... (kg)	2200	4000

**Optional equipment**

- Telescopic protective canopy T.C. 1.
- 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.
- Direct visual inclinometers.
- Cuttings collector.
- Front stinger.