

**High power compact versatile drill, four wheel drive hydraulic jumbo,
for development and production in 4 to 24 m² sections.**

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

Standard

Face Long Hole

Alternative

Face

Model	Solid CC 2500 ... LHF 2000....	Telesc.CTEV
Steel length	8 to 14 ft	3 - 4 ft.....
Drill steel	H 32 - H 35	ø 39..... H 32 - H 35

Boom

Model	B 14 Combi
Type	Parallel holding
Weight (with hoses).....	1500 kg
Feed roll-over.....	360°
Feed extension.....	1400 mm

Hydraulic control panel

Model.....I.B.C.Q.C.
Providing auto smooth collaring
precise anti-jamming
only one control lever for thrust/percussion (full & half)
greatly reduced number of hoses
electro-valves for remote control implementation

Power Pack

Standard

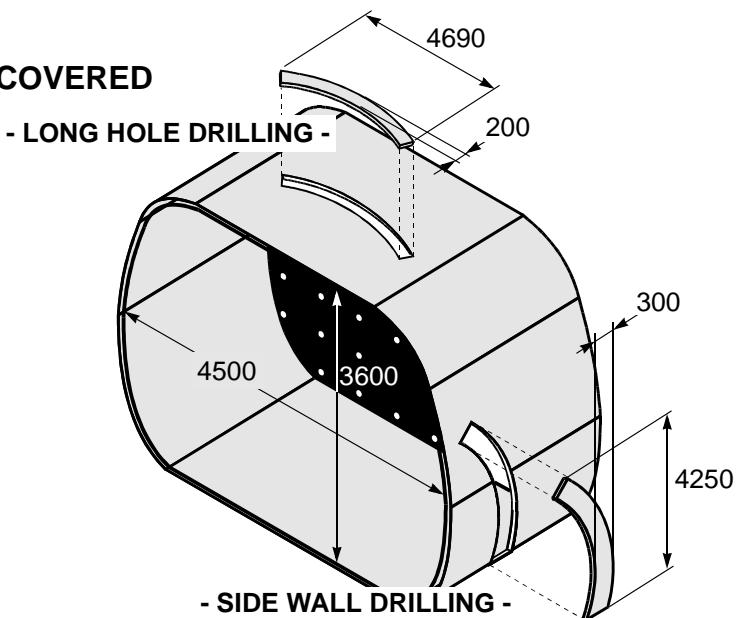
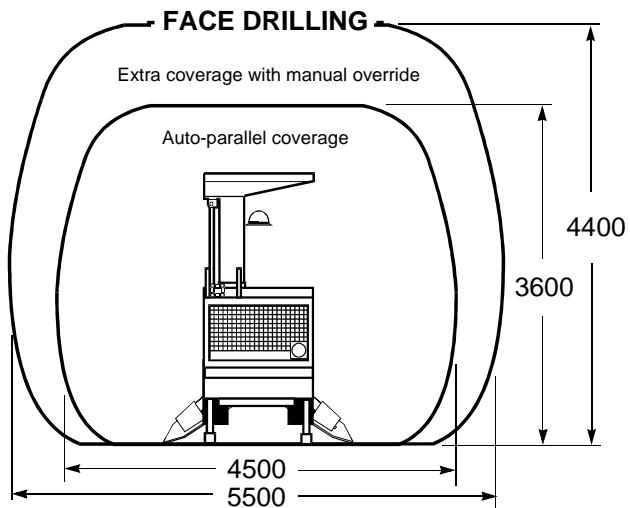
Alternative (for Hydrastar 350)

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..... 7300 kg

AREAS COVERED



Carrier Quasar

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 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 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 outriggers S.F.S.O. 27
 Rear 2 jacks S.J. 1

Telescopic canopy T.C. 1
 Lowering capability 900 mm

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 Standard Two 24 V x 70 W/W.L. 2.70
 Alternative Two 24 Vx150 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

Front clamping centralizer on face drill feed.
 ANSUL Fire Suppression System LTA 101-30 (6 jets).
 Spare wheel.
 Electric cable.
 Ground fault detector (not applicable to 1000 V).
 Fume diluter.
 Direct visual inclinometers for long hole feed.

Equipment for remote control:

- portable electric remote control.
- one 24 V x 150 W pedestal mounted halogen light.