

# TROIDON 55 XP

Front face jumbo for medium sections

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Front face drilling rig, electro-hydraulic, of 1.85 m width for tunneling in underground mining and civil works, for medium-sized sections from 3.5 x 3.5 m up to 5.5 x 5.5 m.

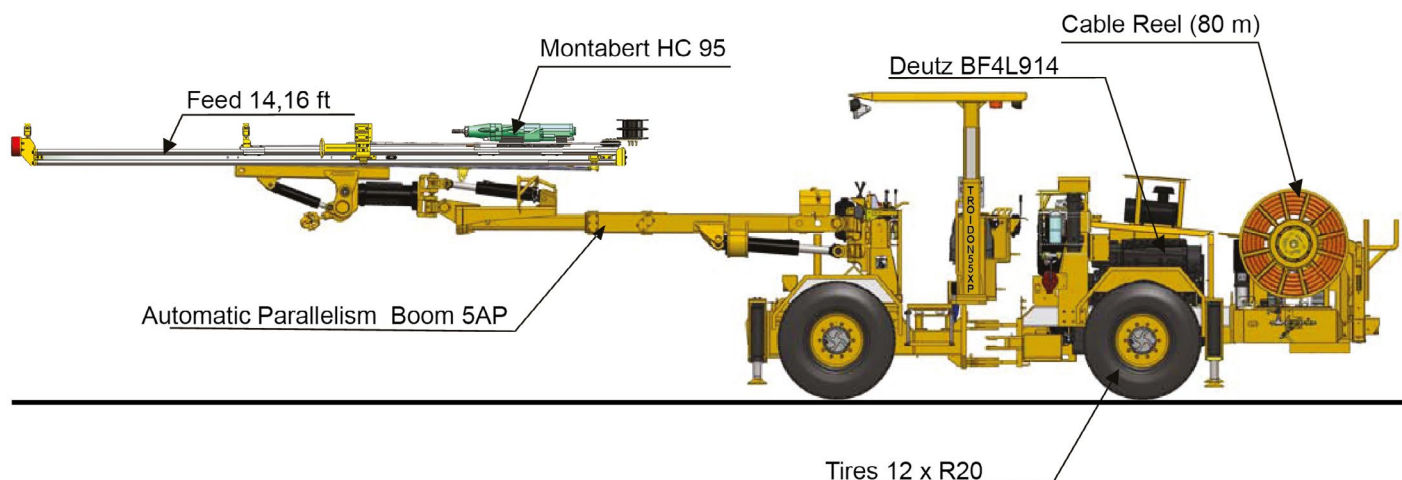
It incorporates the fastest rock drill of the market, Montabert HC 95 of 22 kW, equipped with Back Hammering to prevent rods stuck.

Chassis for heavy duty application, articulated 4WD, self-propelled diesel Deutz engine and equipped with hydraulic boom with parallel holding.

The direct control hydraulic system with controls piloted hydraulically, makes to this rig highly reliable for operation. On the other hand, the HC 95 Drifter has the lowest operation cost of the market in its class.

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# SPECIFICATIONS



## DRIFTER

• Model	Montabert, HC95 - LM
• Percussion Power	22 kW
• Percussion pressure	180 Bar
• Frequency Percussion	68 Hz
• Rotation speed	0 - 270 rpm
• Rotation Torque	750 Nm
• Hole diameter	51 - 75 mm
• Rhymed diameter	75 - 127 mm
• Lub air consumption	6 l/s (a 2.5 bar)
• Lub oil consumption	0.8 cc/min
• Water consumption	3 - 4 l/s (a 9 bar)
• Shank Adapter	T38, T45, Male
• Weight	185 kg
• Length with shank	1162 mm

## FEED

• Model	RE 2500 Series
• Advance drilling	Hydraulic cylinder and steel rope
• Feed force	25 kN
• Feed extension	1290 mm
• Standard Feed	14 ft rods
• Options	16 ft rods
	8-14 Telescopic feed

## BOOM

• Model	Boom 5 AP
• Automatic parallelism	
• Coverage area	34 m <sup>2</sup>
• Boom Extension	1200 mm
• Angle lift	+65°/ -20°
• Swing angle	± 30°
• Rotation angle	360°
• Hydraulic cylinders	Parker

## CARRIER

• Model	C66
• Diesel Engine	Deutz BF4L914, Tier II, EPA II
• Power	72.4 kW @ 2300 rpm
• Exhaust catalyst	Standard
• Transmission	Hydrodynamics
• Powershift gearbox	Dana, T12000
• Axle front / rear	Dana, Serie 112
• Rear axle Oscillating	± 8°
• Positioning pump	Parker, P315 B
• Service brakes	Separate
• Emergency and parking brakes	SAHR (Spring Applied Hydraulic Release)
	12.00 R 20
• Tyres	±41°
• Steering (articulated carrier)	
• Hydraulic jacks	2 extendable front, 2 rear
• Battery	2x12 V, 90 Ah
• Electric system	24 VDC
• Gradeability	15%
• Canopy	FOPS / ROPS
• Trimming lights	8X, Halogen 65W HD, 24 V
• Centralized Lubrication System	SKF
• Drilling Lubrication System	SKF
• Automatic fire suppression system	ANSUL, 6 boquillas
• Fire extinguisher	1x6kg, Tipo ABC
• High-pressure washing system	
• Reel grease gun	



HYDRAULIC CONTROL SYSTEM

• Direct Control Valve	Montabert Intelsense II Parker K18
• Percussion pump (compensated pressure)	Rexroth A10V0100 Parker PG315
• Rotation Pump	180 bar
• Work pressure	130 I
• Hydraulic oil tank	Parker, 10µ
• Hydraulic return filter	Parker, 20µ
• Hydraulic high filter	
• Saturation hydraulic filter indicator	Parker
• Indicator of low oil	Hydac
• Indicator temperature oil	Hydac

ELECTRIC SYSTEM

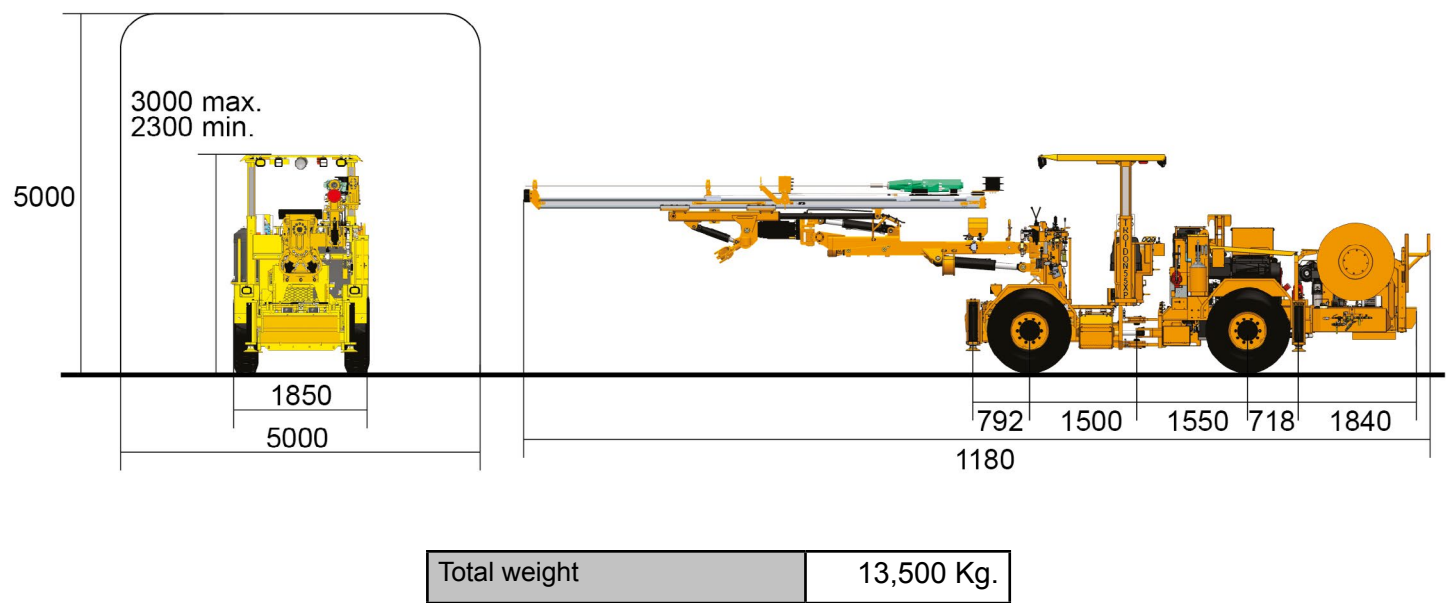
• Electric motor	ABB - 75kW / 100 HP
• Voltage	380 - 440 - 550 - 690 -1000 VAC
• Frequency	50 - 60 Hz
• Starting method	Star - Delta
• Option to 1000 VAC	Direct start
• Overload protection and ground fault	Schneider, Module VIGI
• Percussion hour meter	In the control panel
• Phase sequence indicator	Siemens
• Battery charger	32 VAC, 300W, 13A
• Electric transformer	3,5 kVA
• Work Lights	2X, LED N44, 50W, 6700 lm, 24 V
• Electric wire reel	90 m
• Electric wire	3X1/0 - AWG (50mm)
• Protection degree	IP 55

WATER AND AIR SYSTEM

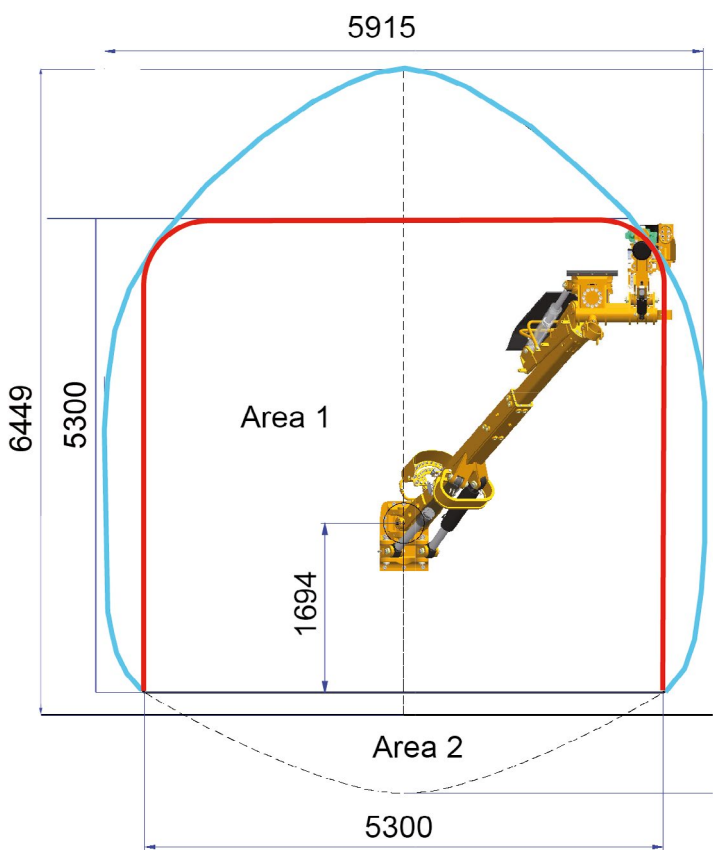
• Compressor	AC, LE7-10
• Maximum capacity	13.2 l/s (28 CFM)
• Work pressure	10 Bar
• Water pump with hydraulic motor	Grundfoss, CR5 - 9
• Maximum flow at 8 Bar	6.9 m³/h
• Minimum inlet pressure	2 Bar
• Cooler Thermal Transfer	EK 1018T, 80 GPM, 34 Bar
• Air tank	60 I



DIMENSIONS



COVERAGE AREA



TURN RADIO

