

TROIDON 44 XP

Front face jumbo for small sections



TROIDON 44 XP is a front face drilling rig of 1.30 m width recommended for small sections from 2.50 m x 2.50 m to 4.50 m x 4.50 m.

It comes equipped with drifter Montabert HC 95 of 22kW, the fastest and least maintenance, incorporating back hammering to prevent rods stuck.

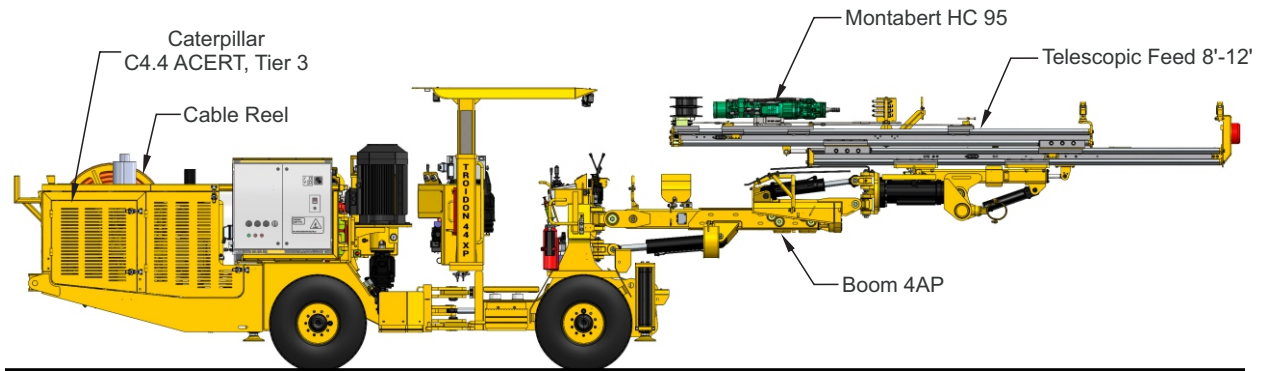
Its boom with automatic parallelism and its simple design, without technical complications, make this equipment a reliable machine .

Its design is modern and compact with all its main components "inside" of the rig such as cable reel, water pump and compressor.

The hydraulic system with DCS control (Direct Control System), makes this rig highly reliable for the operation.

Chassis for heavy duty, articulated 4WD, self-propelled with diesel engine and electrohydraulic system for drilling.

SPECIFICATIONS



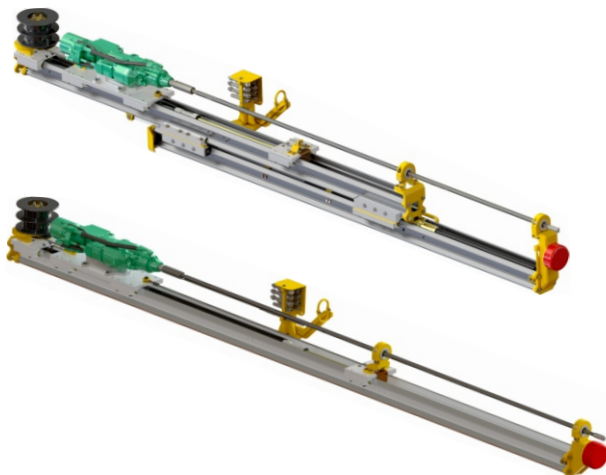
DRIFTER

• Model	Montabert HC 95 (095LMa)
• Percussion power	22kW
• Percussion pressure	180 - 200 bar
• Frequency	62Hz (3700 bpm)
• Rotation Speed	0 - 296 rpm
• Rotation torque	764 Nm
• Hole diameter	45 - 75 mm
• Air consumption (flushing)	8000 l/min (7 - 10 bar)
• Air consumption (lubrication)	300 l/min (a 3 bar)
• Oil consumption (lubrication)	0.8 cc/min
• Water consumption	60 - 120 l/min (8 - 20 bar)
• Shank Adapter	R38, T38, T45 - male
• Weight	186 kg

FEED

• Model	RE 2500 series
• Drifter advance	Hydraulic cylinder and steel rope
• Feed extension	715 mm

Feed Type	Overall length (mm)	Rod length (mm)
Advance Feed 12'	5258	3700
Advance Feed 14'	5848	4305
Telescopic Feed 8'-12'	4073 / 5268	2475 (8') / 3700 (12')
Telescopic Feed 8'-14'	4073 / 5878	2475 (8') / 4305 (14')



CARRIER

• Model	C44.7
• Diesel engine	Caterpillar C4.4 ACERT, Tier 3
• Power	106 kW @ 2200 rpm
• Exhaust catalyser	Standard
• Transmission	Hydrostatic
• Transmission pump	Sauer Danfoss
• Hydrostatic motor	Four MSE 18 motors, ± 8°
• Rear axle oscillating	
• Tramming speed:	
- Horizontal	Max. 7.5 km/h
- Positive ramp 15%	Max. 6.5 km/h
• Positioning pump	Parker, PGP511
• Emergency and parking brakes	SAHR (Spring Applied Hydraulic Release)
• Steering (articulated carrier)	±38°
• Tyres	10.00 x R15
• Hydraulic jacks	2 extendable front, 2 rear
• Canopy	FOPS / ROPS
• Fuel tank	15.8 gal / 60 l
• Battery	2x12 V, 90 Ah
• Electric system	24 VDC
• Tramming lights	8X, LED 26W, 10.5 - 32 VDC
• Centralized grease system	SKF
• Drilling lubrication system	SKF
• Automatic fire suppression system	ANSUL, 4 nozzles
• Fire extinguisher	1x6kg, Type ABC

BOOM

• Model	Boom 4AP
• Boom extension	1200 mm
• Lift angle	+45° / -26°
• Swing angle	±30°
• Rotation	360°
• Hydraulic cylinders	Parker

HYDRAULIC CONTROL SYSTEM

• Direct control valve	Parker KA-18
• Control DCS (Direct Control System)	
• Percussion pump (compensated pressure)	Rexroth A10VO100
• Triple pump	Parker
• Working pressure	180 - 200 bar
• Hydraulic oil tank	33 gal / 126 l
• Hydrostatic oil tank	22 gal / 86 l
• Hydraulic return filter	Parker, 10μ
• Hydraulic pressure filter	Parker, 10μ
• Hydraulic filter saturation indicator	Parker
• Low oil level indicator	Hydac
• Oil temperature indicator	Hydac

WATER AND AIR SYSTEM

• Electric compressor	CTN3
• Maximum capacity	1.65m³/min (58 CFM)
• Working pressure	8 bar
• Water pump and hydraulic motor	Grundfoss, CR5 - 9
• Maximum flow	6.9 m³/h (115 l/m)@3500rpm
• Minimum water inlet pressure	2 bar
• Bowman cooler	FG-120, 48.6 GPM, 20 bar
• Air tank	60 l

ELECTRIC SYSTEM

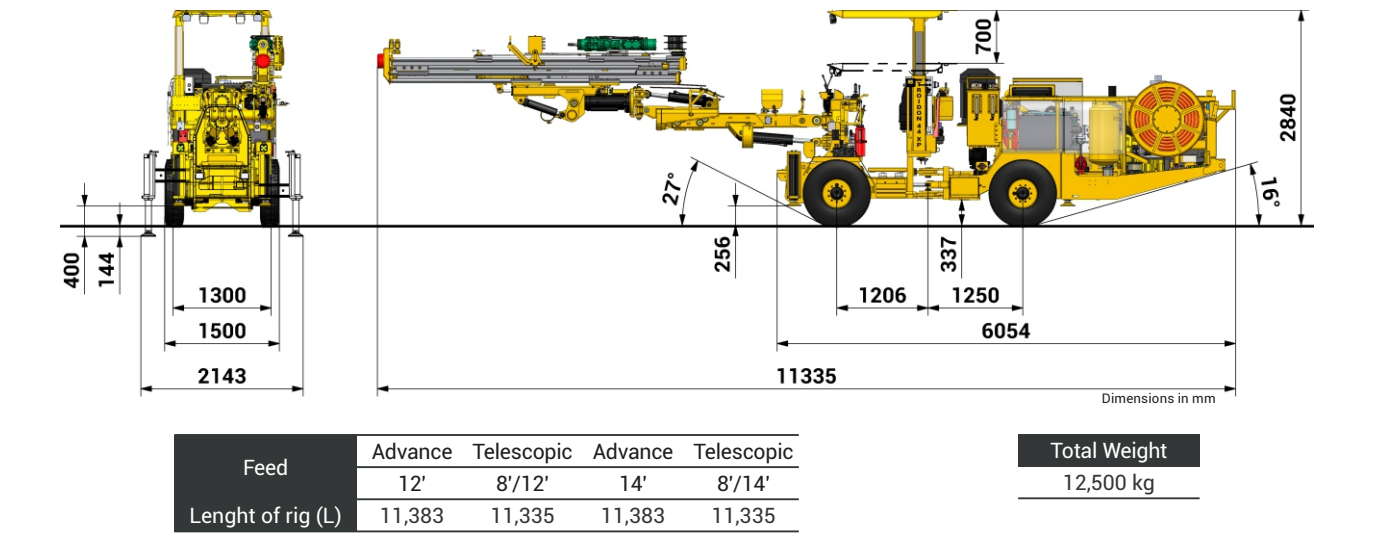
• Electric motor	75kW (100 HP)
• Voltage	380 - 440 - 550 - 690 - 1000 VAC
• Frequency	50 - 60 Hz
• Starting method	Star - Triangle
• Option to 1000 VAC	Direct start
• Overload protection and ground fault	Schneider, Module VIGI
• Percussion horometer	24V
• Phase sequence indicator	Siemens
• Battery charger	IN 32 VAC, 300W 13A OUT 28 VDC
• Electric transformer	1.5 kVA
• Working lights	2X, LED 56W, 9-33 VDC
• Electric cable reel	90 m
• Electric cable	3x1/0 - AWG (50 mm)
• Degree of protection	IP 55
	IP 65 (optional)
• Cable Reel	

OPTIONS

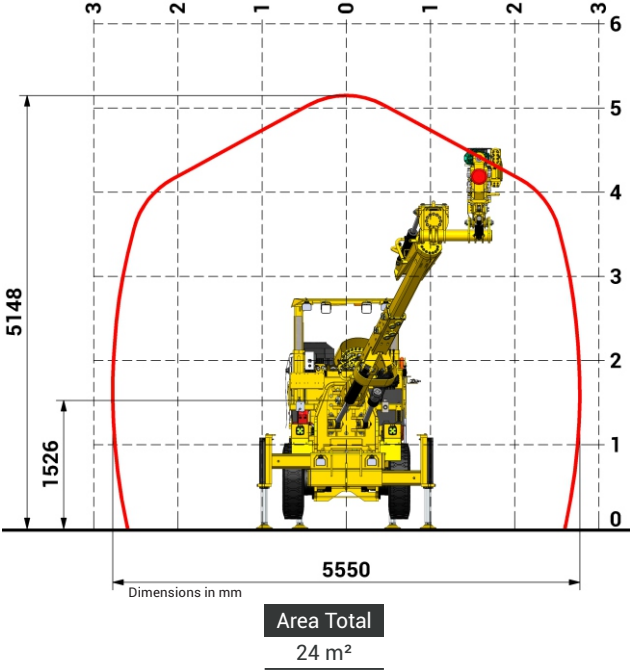
• Diesel engine	Deutz BF4L914, Tier II 72.4 kW @ 2300 rpm
• A/C Enclosed Cabin	FOPS/ROPS certifications

T-POINTER OPTION FOR SCALING

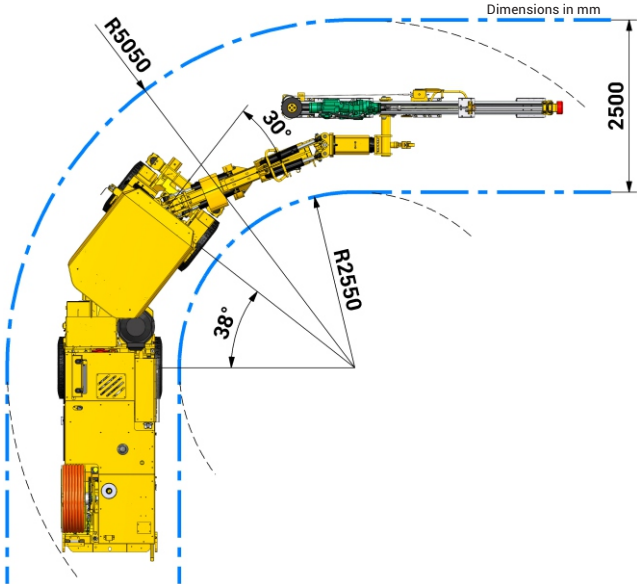
DIMENSIONS



COVERAGE AREA



TURNING RADIUS



OPTIONAL: ADVANCE FEED

