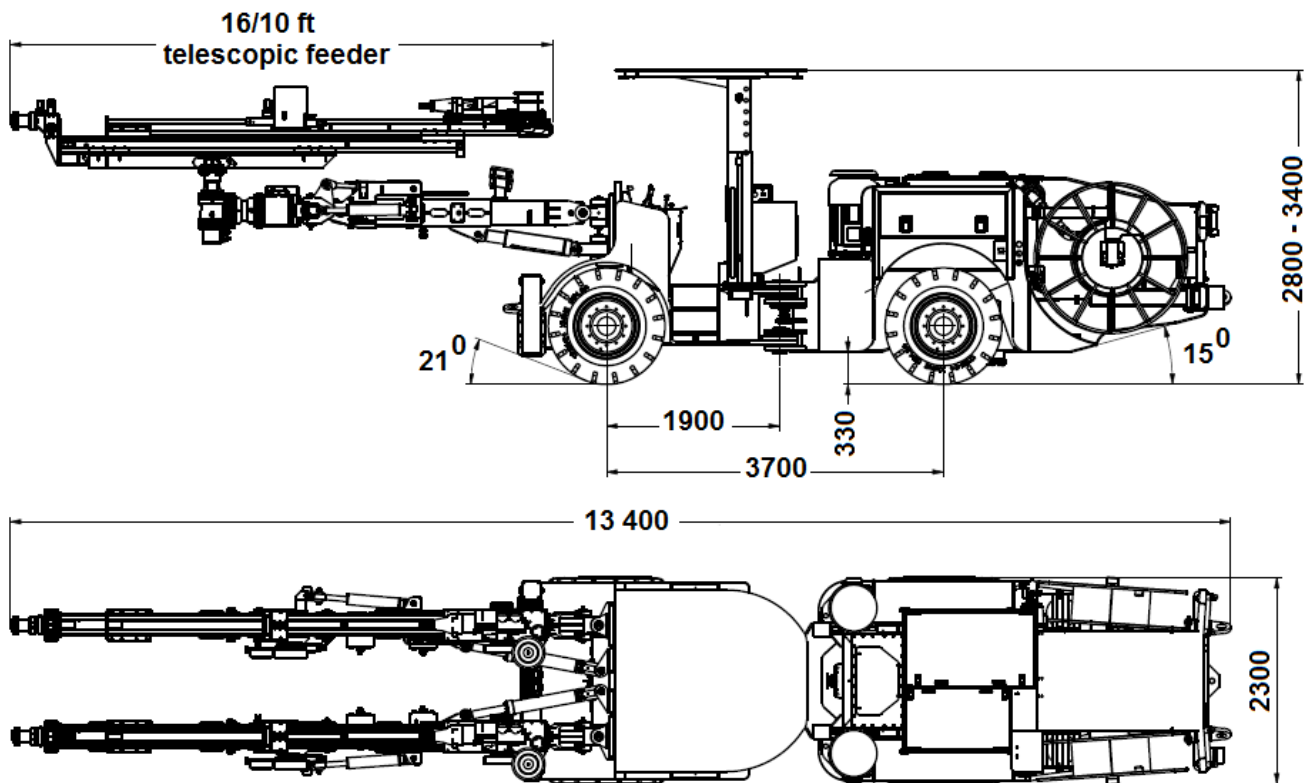


FACE MASTER 2.8MPD (Multi-Purpose Drill)

Twin boom drill jumbo



DESCRIPTION

- Diesel powered articulated chassis with permanent 4-wheel drive.
- Fail-safe, wet multi-disc service brakes with additional fail-safe emergency-parking brake.
- Latest concept heavy duty alloy profile telescopic feeders on both booms with stainless steel guide surfaces. Designed to improve performance, and reduce operation costs.
- Minimum tramming height: 2.8m.
- Full hydraulic proportional boom control by joystick. Shock protection is provided.
- B-40HD Dual-Axial Rotation Boom, with full automatic parallelism in both planes, and the boom can also be used for cross-cutting, drilling of bolt holes, meshing and bolt (split set) installation.
- Hydraulic steering ensures low operation costs and high performance

MAIN COMPONENTS

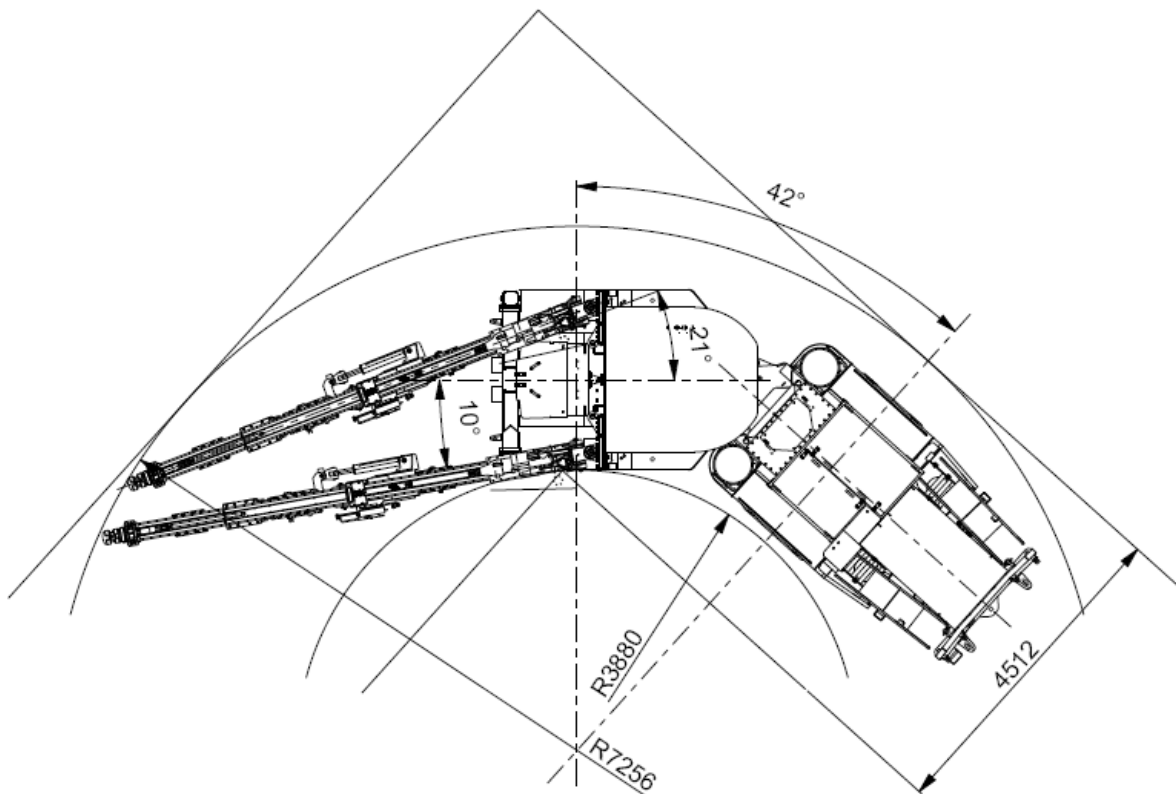
Rockdrill	Montabert HC 110 CS high frequency version
Boom	B 40 HD (Heavy Duty)
Diesel engine	Deutz TCD2013L04 - 115 kW @ 2300 RPM
Telescopic Feeders	MMTF - series
Tires	14.00 x 24

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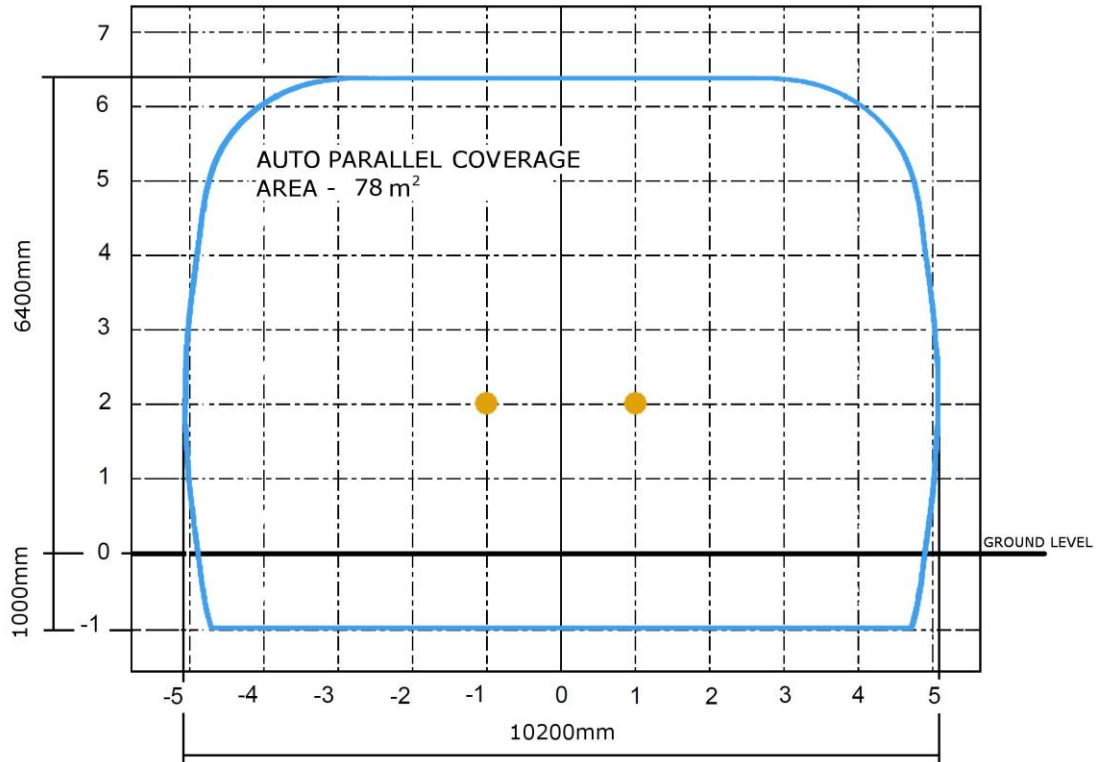
FEATURES

WEIGHT	Approx. 28000 kg
DIMENSIONS	
Length (with 16 / 10ft telescopic feeders)	13 400 mm
Width	2 300 mm
Height (tramming position)	2 800 mm
Height (max. working position)	3 400 mm
Turning radius	$R_i = 3660$ mm
	$R_o = 7200$ mm
Minimum width of heading	4460 mm for headings @ 90 degrees turn

Dimensions – turning radiuses



Coverage



BOOM

B 40 HD – 2axial rotary actuator

Boom extension	1200mm
Boom Lift	+40 /-30°
Boom Swing	+/- 40°
Feeder rotation (horizontal axis)	360°
Feeder swing (vertical axis)	+180 /-180°
Feeder crowd	1500mm
Feeder tilt (with rotary actuator)	0-40°
Weight	2400kg

TELESCOPIC FEEDER

The telescopic feeders allow to drill face blast holes, bolt holes in the roof and side walls, meshing and split set installation. High efficiency hydraulic system provides high-speed maneuverability of working units.

Model number	Rock drill type	Type of rods	Length of rods Min-Max [mm]	Max. depth of drilled hole [mm]	Overall length collapsed – extended [mm]
MMTF4915/3100-HC110	HC – 110	16ft – 10ft	4915 – 3100	4400 – 2600	6700 – 4885

RUBBER BUMPER INSTALLED AT THE FRONT OF FEEDER

FACE MASTER 2.8MPD (Multi-Purpose Drill)

CARRIER

Diesel engine	Deutz TCD2013L04 – 115 kW @ 2300 RPM liquid cooled
Tramming	Four wheel drive (Power shift)
Transmission	R 24000 Dana Off-Highway
Axles	113 Dana Off-Highway
Articulation	Danfoss – Orbitrol controlled by steering wheel
Brakes	Fail-safe, wet multi-disc service brakes with additional fail-safe emergency-parking brake
Tires	12.00 x 24
Fuel tank	90 l
Electrical control system	24 V
Battery	2 x 12V
Driving lights	4x 35 W LED (2 front and 2 back) + 4x 35W LED from the front and the back of the canopy
Max. speed on flat surface	12 km/h
Automatic centralized lubrication system	SKF
Hand pump to release emergency/parking brakes	

HYDRAULIC SYSTEM

Hydraulic pumps	2x Axial-piston with load sensing
Percussion	225 bar
Feed	150 bar
Rotation	150 bar
Tank of oil with oil level indicator, return filter	300 l
Filtration	10 µm
Oil cooler	Water cooling system
Hydraulic oil	HV 68
24V electric pump	Electric pump to fill hydraulic oil tank up.

WATER SYSTEM

Water booster pump	rotodynamic pump
Max. capacity	215 lpm @ 15 bar
Min. inlet pressure	3 bar
WATER HOSE REEL	MINE MASTER
Capacity	60 m

FACE MASTER 2.8MPD (Multi-Purpose Drill)

AIR SYSTEM

Compressor	screw compressor
Capacity	0,986 l/min @ 10 bar
AIR DRYER	System of compressed air dryer and filters to provide clean and dry compressed air for rock drill lubrication. System based on U.S. AIRFILTER ENGINEERING Company.

ELECTRICAL SYSTEM

Electric Motor	2 x 75 kW
Voltage	to suit customer's requirements
Working lights	6 x 55 W – 24 V LED or Xenon type
CABLE REEL	MINE MASTER
Capacity	120 m

ROCKDRILL

Montabert HC 110 CS version

Shank adapter	T45
Weight	200 kg
Impact power	21 – 31 kW
Percussion oil flow	max. 135 l/min @ max. 225 bar
Rotation oil flow	65 l/min
Rotation pressure	max. 175 bar
Frequency	74 – 67 Hz (4440 – 4020 -1/min)
Energy per blow	320 – 430 J
Rotation speed	290 RPM
Rotation torque	557 Nm

OPTIONAL EQUIPMENT

CLOSED, AIR-CONDITIONED CABIN	Fixed height of 3,4m
HYDRAULIC OPERATED EXTENSION CANOPY	Provide minimum tramming height 2,8m. The canopy can be lifted up to 3,4m.
FIRE SUPPRESSION SYSTEM	ANSUL LT-A-101-30, 6 nozzles, activated manually
FIRE SUPPRESSION SYSTEM WITH FLAME DETECTION	ANSUL LT-A-101-30 SC-N with Checkfire 210, 6 nozzles, activated automatically
BY – PASS FILTRATION	Additional recirculation independent hydraulic filtration system for both tramming and drilling systems

FACE MASTER 2.8MPD (Multi-Purpose Drill)

SPARE WHEEL

14.00 x 24" (including rim and tire)

FEEDER GUIDING SYSTEM

Enables drilling parameters monitoring + accurate feeder positioning (in reference to drill plan)

ELECTRIC CABLE
