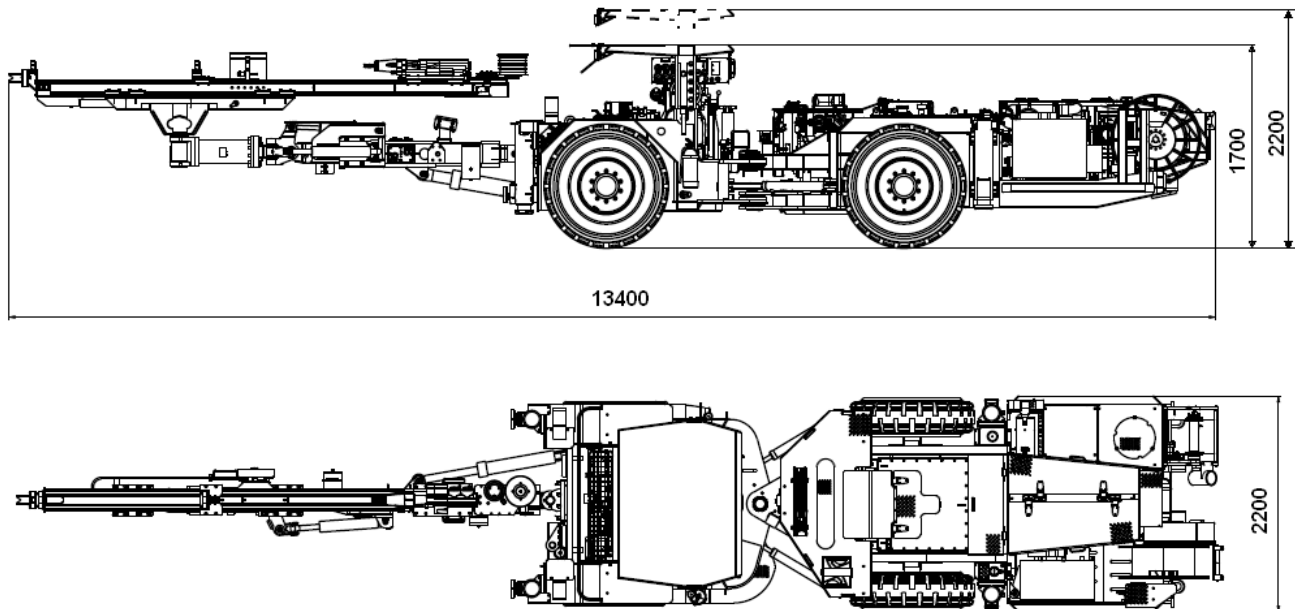


Low profile single boom drill jumbo



ATTENTION: The drawing shows machine with extension canopy, which is optional.

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 feeder with stainless steel guide surfaces. Designed to improve performance, and reduce operation costs.
- Trimming height: 2.2m.
- Full hydraulic proportional boom control by joystick. Shock protection is provided.
- Ergonomic, fully adjustable operator seat with suspension.
- B-40L 2-axis rotation boom, with full automatic parallelism in both planes, and the boom can also be used for cross-cutting.
- Reliable hydraulic controls – ensuring low operating costs and high performance.
- Machine is equipped with greasing points to lubricate pins and pivot connections.

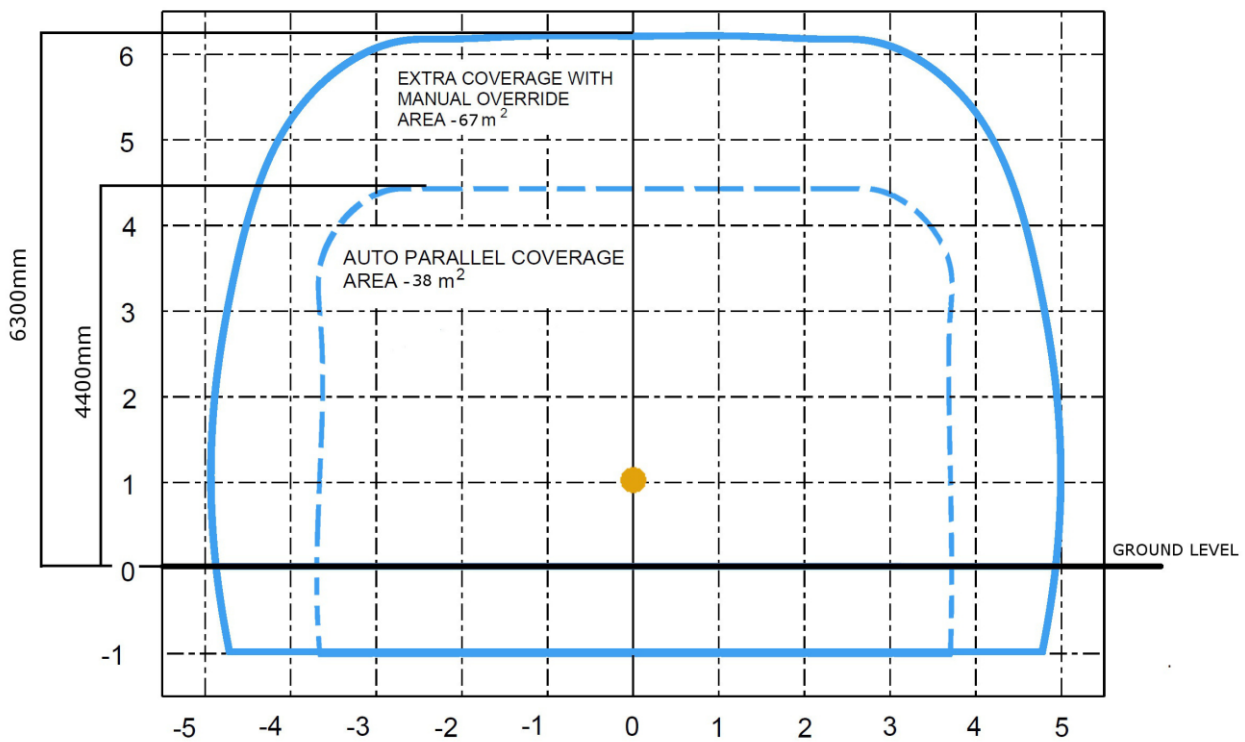
MAIN COMPONENTS

Rockdrill	Montabert HC 109
Boom	B 40 L
Diesel engine	Deutz TCD2012L04 - 95 kW @ 2300 rpm comply with COM 3 regulations
Feeder	12ft, F – 7000 series
Tyres	14.00 x 24

FEATURES

WEIGHT	18500 kg
DIMENSIONS	
Length (with 12ft feeder)	13400 mm
Width	2400 mm
Height	2200 mm
Turning radius	$R_i = 3500$ mm
	$R_o = 6850$ mm

Coverage



BOOM

B 40 L

Boom extension	1500 mm
Boom Lift	+40 /-30°
Boom Swing	+/- 40°
Feeder rotation	360°
Feeder crowd	1500 mm
Feeder swing	+40 /-40°
Feeder tilt	0-90°
Weight	2100 kg

FEEDER

F-7000 series

The feed frame is of aluminum alloy fitted with easily replaced, hollow stainless steel wear rails to carry the rockdrill cradle, moving guide and hose reeler. The bottom pair of these rails provide the connection with the slide support frame. The sliding fit of the rockdrill cradle and other moving parts is adjusted by means of setscrews. Rockdrill feed is provided by an internally housed hydraulic cylinder and wire rope arrangement which provides a feed force of 15,5 KN. Feeder is equipped with rubber bumper.

Type	F-7342 (12ft)
Overall length	5270 mm
Hole depth	3200 mm
Rod length	3700 mm
Weight	820 kg

CARRIER

Diesel engine	Deutz TCD2012L04 - 95 kW @ 2300 rpm, liquid cooled, comply with COM 3 regulations
Tramming	Four wheel drive (Power shift)
Transmission	R 32000 Dana Off-Highway
Torque converter	C270 Dana Off-Highway
Axles	123 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
Tyres	14.00 x 24
Fuel tank	90 l
Electrical control system	24 V
Battery	2 x 12 V
Driving lights	4 x 35 W, LED type
Max. speed on flat surface	12 km/h
Automatic centralized lubrication system	SKF
Hand pump to release emergency/parking brakes	

HYDRAULIC SYSTEM

Hydraulic pump	Axial-piston with load sensing
Percussion	140 bar
Feed	80 bar
Rotation	100 bar
Tank of oil with oil level indicator, return filter	200 l
Filtration	10 µm
Oil cooler	Water cooling system

FACE MASTER 1.7

Hydraulic oil	HV 68
---------------	-------

WATER SYSTEM

Water booster pump	rotodynamic pump
Max. capacity	90 lpm
Min. inlet pressure	3 bar
Water hose reel	MINE MASTER -60 m (prepared for 1" water hose)
Capacity	60 m

AIR SYSTEM

Compressor	screw compressor
Capacity	0,45 m3/min

ELECTRICAL SYSTEM

Motor	55 kW
Voltage	to suit customer's requirements
Working lights	2 x 35W LED + 2 x 35W xenon type – 24V
Cable reel	MINE MASTER
Capacity	80 m

ROCKDRILL

Montabert HC 109

Shank adapter	R38, T38
Weight	142 kg
Impact power	19,4 kW
Percussion oil flow	115 lpm @ 100 bar
Rotation speed	190 – 220 rpm
Rotation torque	max. 1000 Nm

OPTIONAL EQUIPMENT

CLOSED, AIR-CONDITIONED CABIN	Height of the machine: 2,4m
HYDRAULICALLY OPERATED EXTENSION CANOPY	Provide minimum tramming height 1,72m. The canopy can be lifted up to 2,2m.
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 1.7

AIR-MIST SYSTEM WITH 400L TANK	Mounted instead of water hose reel; additional air-coolers and more efficient compressor added
AIR-MIST SYSTEM WITH CONNECTION TO LOCAL WATER NETWORK	System with additional air-coolers and more efficient compressor
SPARE WHEEL	14.00 x 24" (including rim and tyre)
FEEDER GUIDING SYSTEM	Enables drilling parameters monitoring + accurate feeder positioning (in reference to drill plan)
ELECTRIC CABLE	

FEEDER

F-7000 series

The feed frame is of aluminum alloy fitted with easily replaced, hollow stainless steel wear rails to carry the rock drill cradle, moving guide and hose reel. The bottom pair of these rails provides the connection with the slide support frame. The sliding fit of the rock drill cradle and other moving parts is adjusted by means of setscrews. Rock drill feed is provided by an internally housed hydraulic cylinder and wire rope arrangement which provides a feed force of 15,5 KN.

Type	8ft	10ft	14ft
Overall length	4 210 mm	4 740 mm	5 885 mm
Hole depth	2 180 mm	2 780 mm	3 800 mm
Rod length	2 400 mm	3 050 mm	4 305 mm
Weight	760 kg	790 kg	850 kg

Item	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]
1	MMTF3100/1830-HC109	HC - 109	6-10 ft	1830-3100	1330 - 2600	3500 - 4755
2	MMTF3700/2440-HC109	HC - 109	8-12 ft	2440 - 3660	2240 - 3450	4100 - 5355
3	MMTF3700/2800-HC109	HC - 109	9-12 ft	2800 - 3660	2600 - 3450	4460 - 5355
4	MMTF4310/2440-HC109	HC - 109	8-14 ft	2440 - 4310	2240 - 4090	4100 - 5995
5	MMTF4310/2800-HC109	HC - 109	9-14 ft	2800 - 4310	2600 - 4090	4460 - 5795
6	MMTF3100/1830-HC50	HC - 50	6-10 ft	1830 - 3100	1330 - 2600	3175 - 4405
7	MMTF3700/2440-HC50	HC - 50	8-12 ft	2440 - 3660	2240 - 3450	3775 - 5005
8	MMTF3700/2800-HC50	HC - 50	9-12 ft	2800 - 3660	2600 - 3450	4135 - 5005
9	MMTF4310/2440-HC50	HC - 50	8-14 ft	2440 - 4310	2240 - 4090	3775 - 5645
10	MMTF4310/2800-HC50	HC - 50	9-14 ft	2800 - 4310	2600 - 4090	4135 - 5645