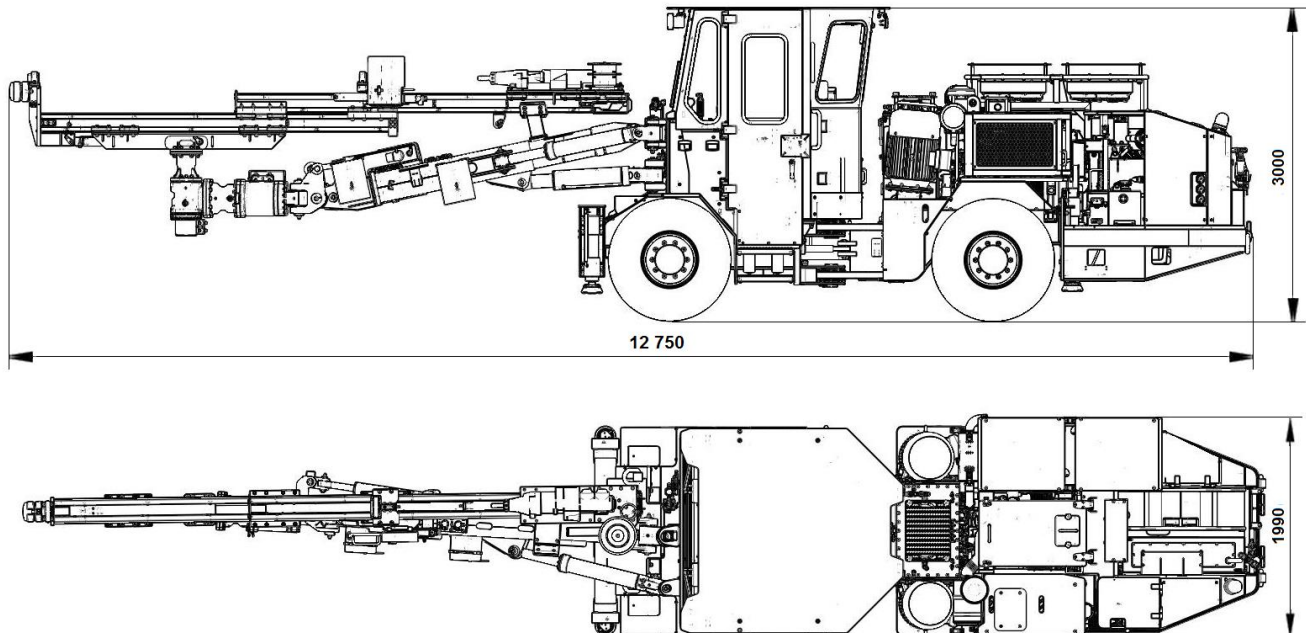


FACE MASTER 2.3 – 1B

Single boom drill jumbo



Note: drawing shows machine with optional closed, air-conditioned cabin and optional telescopic feeder.

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 with fixed canopy: 3.0m.
- Ergonomic, fully adjustable operator seat with suspension. Hydraulically adjustable operator's protection canopy conforming to FOPS & ROPS regulations.
- Full hydraulic proportional boom control by joystick. Shock protection is provided.
- B-40L Head Rotation Boom, equipped with two-axial hydraulic actuator, 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.

MAIN COMPONENTS

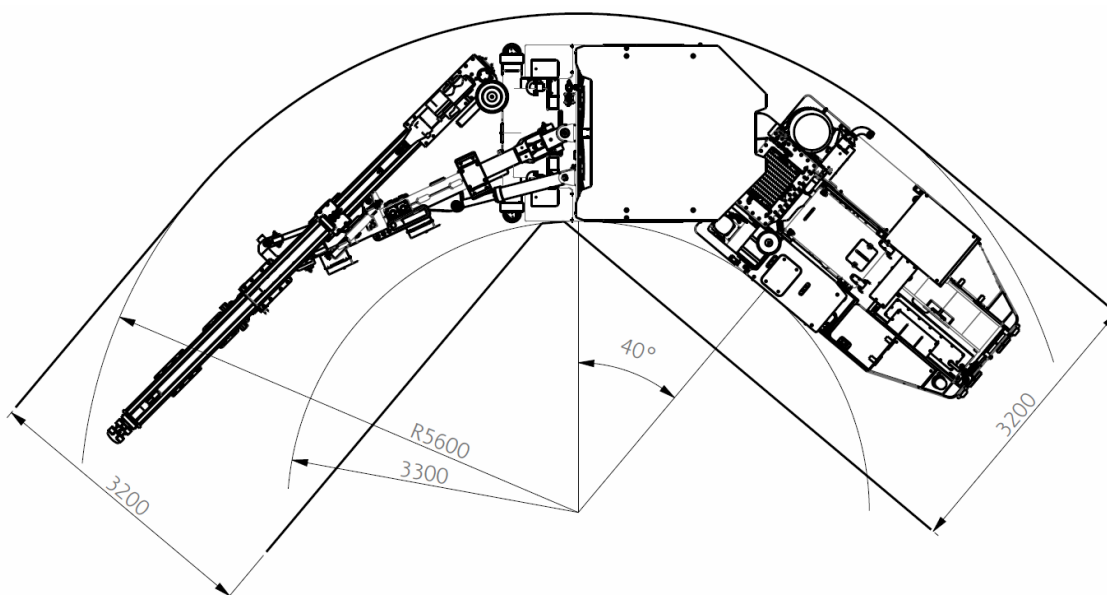
Rockdrill	Montabert HC 109
Boom	B 40 L
Diesel engine	Deutz TCD2012L04 – 95kW @ 2300 rpm
Feeder	F – 7000 series
Tires	12.00 x 20

FACE MASTER 2.3 – 1B

FEATURES

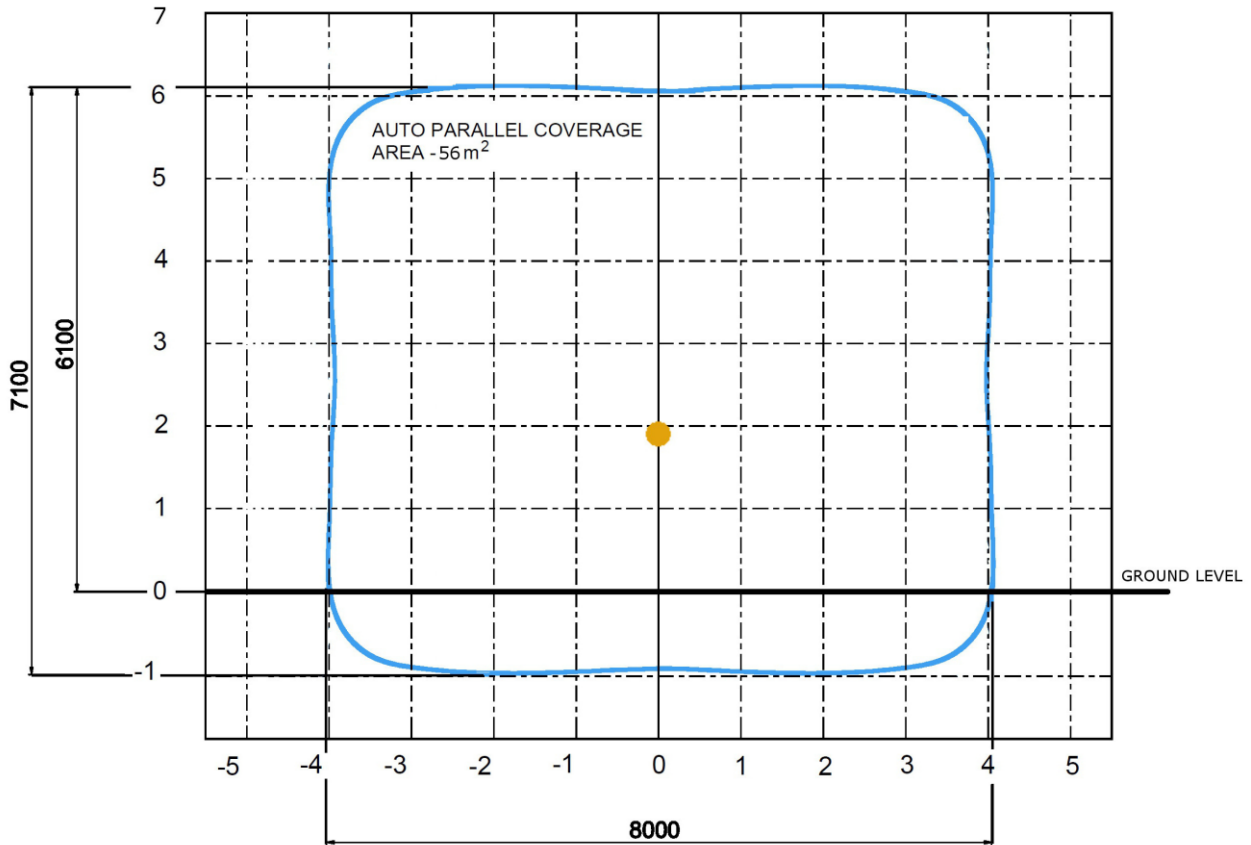
WEIGHT	20 600 kg
DIMENSIONS	
Length with proposed 14ft fixed feeder	12 500 mm
Width	1990 mm
Height	3000 mm
Minimum width of heading (with 14ft telescopic feeder)	3500mm
GRADEABILITY	
downgrade	15 degree
cross-grade	8 degree
Max. speed on flat surface	13 km/h
Max. speed on 10 degrees slope	7 km/h

Turning radius



Inner radius	3300 mm
Outer radius	5600 mm

COVERAGE – 56m² in auto parallel mode



BOOM

B 40 L (equipped with 2-axial rotary actuator)

Boom extension	1500 mm
Boom Lift	+40 /-30°
Boom Swing	+/- 40°
Feeder rotation	360°
Feeder crowd	1500 mm
Feeder swing	+90 /-90°
Rotary actuator swing	+30 /-30°
Weight (with slide support for telescopic 14/8ft feeder)	2150 kg

FACE MASTER 2.3 – 1B

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.

Type	F-7000 (14ft)
Overall length	5 885 mm
Hole depth	3 800 mm
Rod length	4 305 mm
Weight	850 kg

CARRIER

Diesel engine	Deutz TCD2012L04 - 95 kW @ 2300 rpm, liquid cooled
Tramming	Four wheel drive (Power shift)
Transmission	1120MT12441 Dana Off-Highway
Torque converter	Transmission integrated
Axles	113 Dana Off-Highway front and rear
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 20
Fuel tank	100 l
Electrical control system	24 V
Battery	2 x 12 V
Driving lights	4 x 35 W LED
Automatic centralized lubrication system	SKF
Hand pump to release emergency/parking brakes	

HYDRAULIC SYSTEM

Hydraulic pump	Axial-piston with load sensing for percussion and two gear pump for rotation and feed
Percussion	140 bar
Feed	80 bar
Rotation	100 bar
Tank of oil with oil level indicator, return filter	260 l
Filtration	10 µm
Oil cooler	Water cooling system
Hydraulic oil	HV 68

FACE MASTER 2.3 – 1B

WATER SYSTEM

Water booster pump	rotodynamic Grundfoss 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 type
Capacity	0,7 m ³ /min

ELECTRICAL SYSTEM

Motor	1 x 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	140 lpm @ 140 bar
Rotation speed	120 – 300 rpm
Rotation torque	max. 1275 Nm

OPTIONAL EQUIPMENT

CLOSED, AIR-CONDITIONED CABIN	Height of the machine: 3,0m
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
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
BY – PASS FILTRATION	Additional recirculation independent hydraulic filtration system for both tramming and drilling systems

FACE MASTER 2.3 – 1B

FEEDER GUIDING SYSTEM	Enables drilling parameters monitoring + accurate feeder positioning (in reference to drill plan)
ELECTRIC CABLE	
SPARE WHEEL	12.00 x 20" (including rim and tire)

TELESCOPIC FEEDER

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