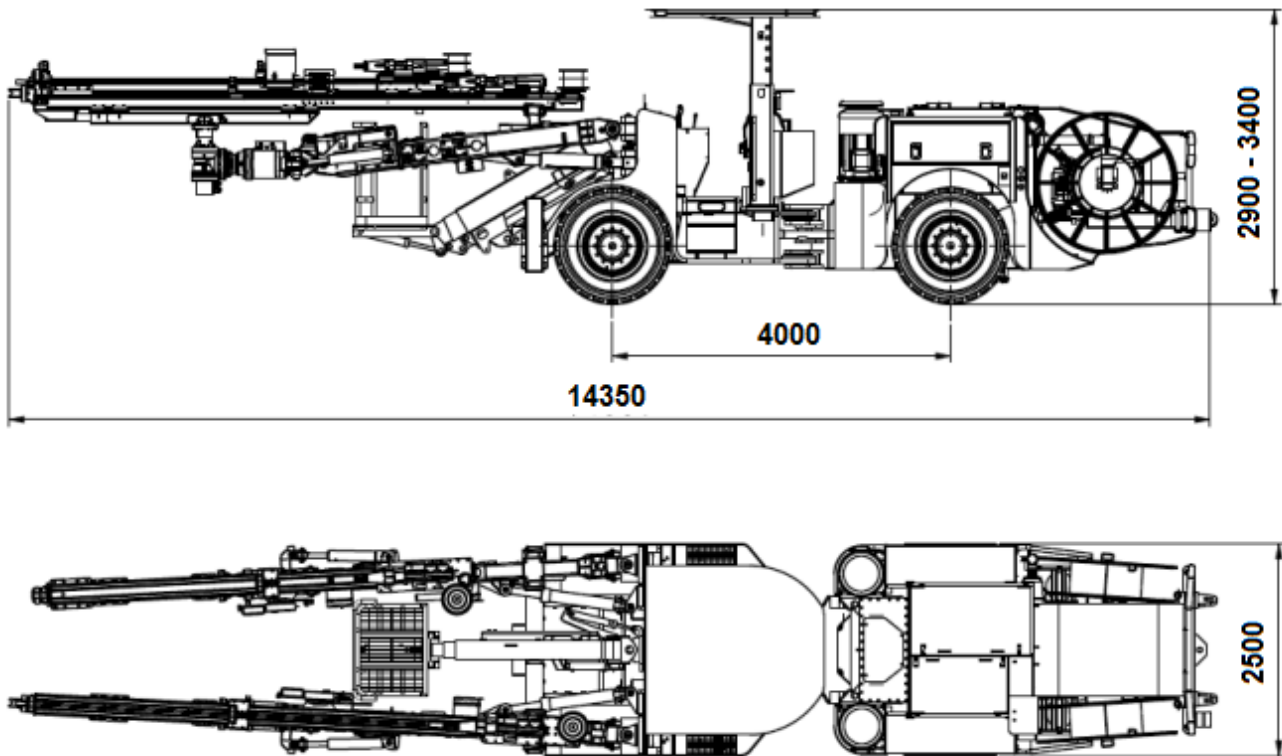


FACE MASTER 3.0 Mk3

Twin boom drill jumbo with service basket



ATTENTION: The drawing shows machine, where right boom is equipped with 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.
- Minimum tramming height: 2,9m. The canopy is provided with hydraulic cylinders and can be lifted up to 3,4m.
- Full hydraulic proportional boom control by joystick. Shock protection is provided.
- B-40 HD1 head rotation boom, equipped with 2-axial rotary actuator as well as with automatic parallelism in both planes, and the boom can also be used for cross-cutting.
- Hydraulic steering ensures low operation costs and high performance
- Reliable hydraulic controls – ensuring low operating costs and high performance.

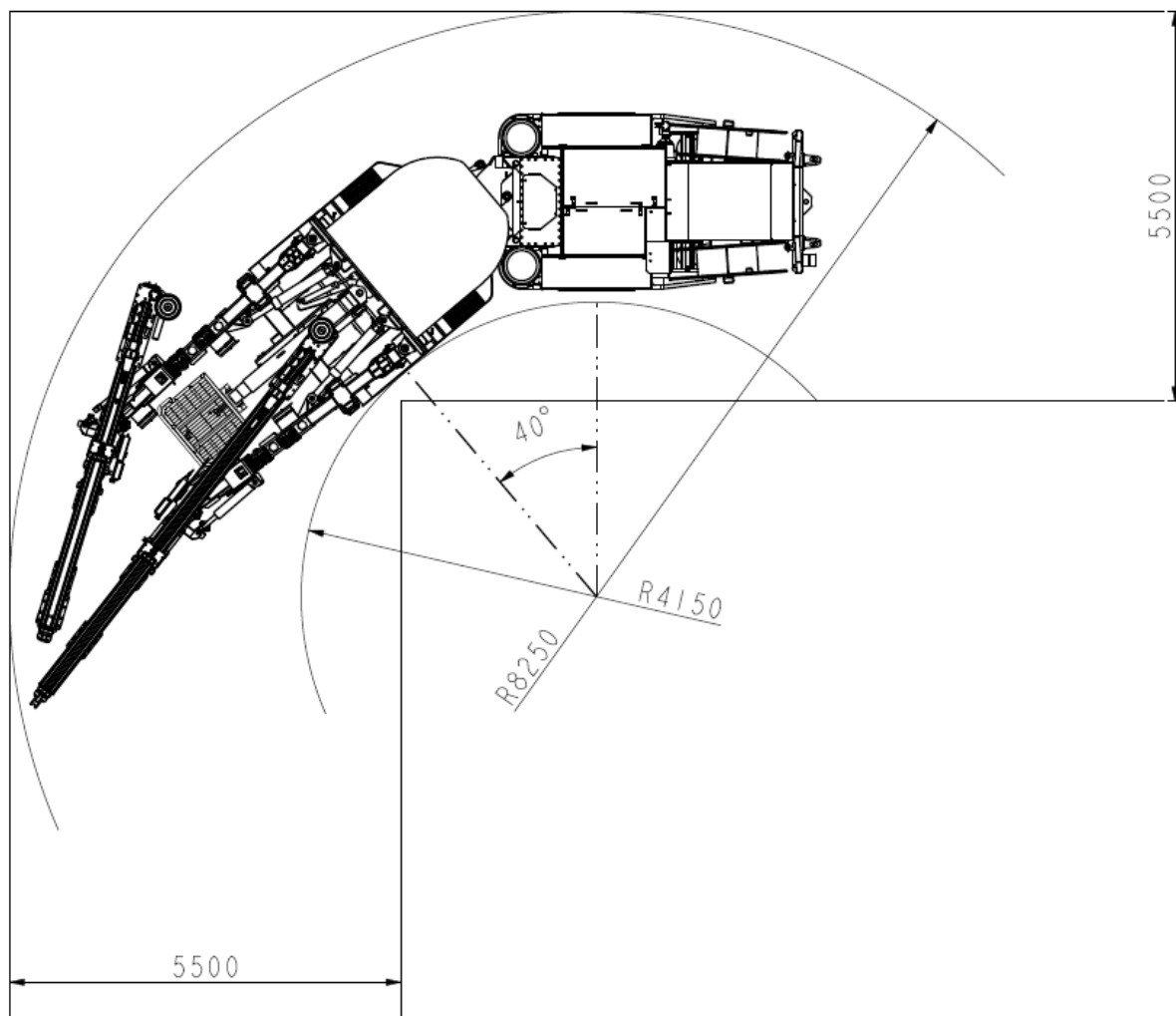
MAIN COMPONENTS

Rockdrill	Montabert HC 109
Boom	B 40 HD1
Diesel engine	Deutz TCD2013L04- 113 kW @ 2300 rpm
Feeder	F – 8000 series
Tires	14.00 x 24 foam filled

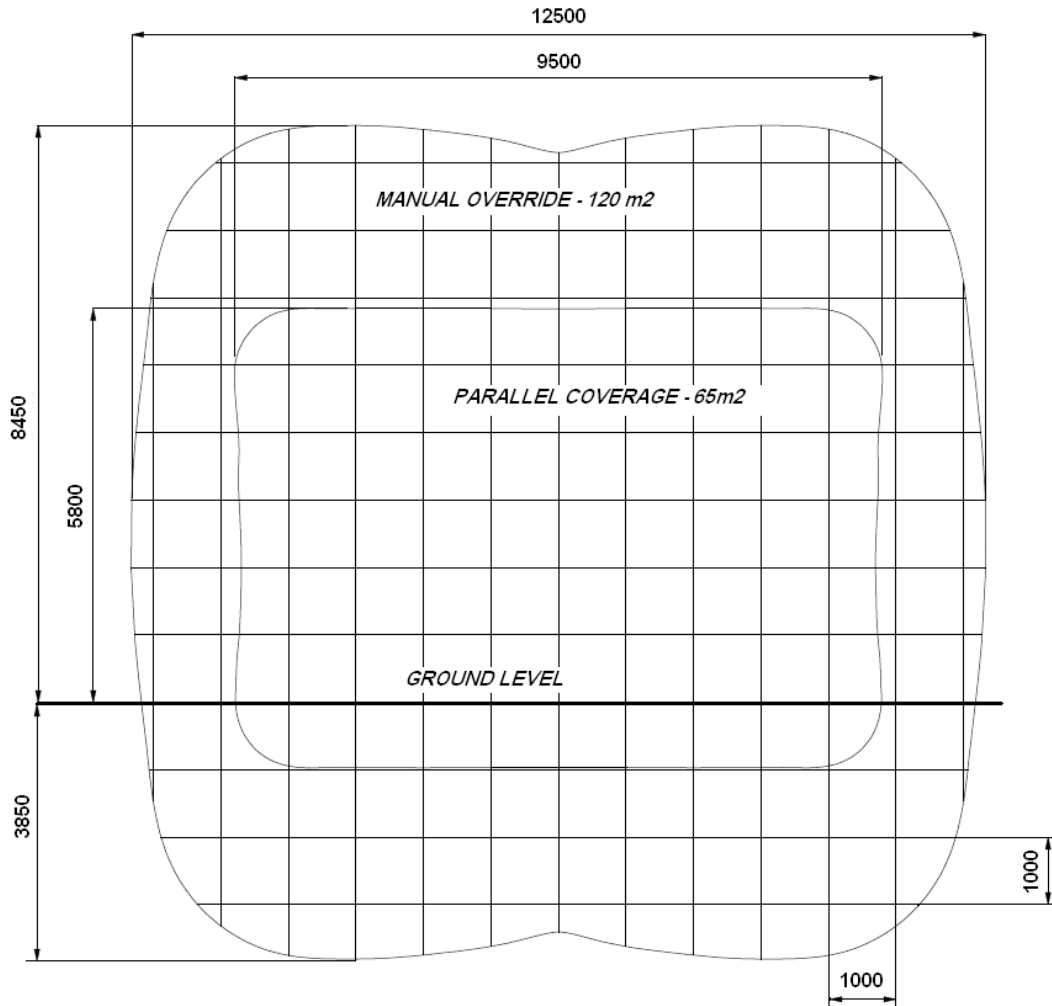
FACE MASTER 3.0 Mk3

FEATURES

WEIGHT	30 000 kg
DIMENSIONS	
Length (with 14ft feeders)	14 350 mm
Width	2 500 mm
Min, tramming height	2 900 mm
Max. working height - canopy	3 400 mm
Turning radius	R _i = 4 320 mm R _o = 7 900 mm
Tramming ability	
Gradeability (longitudinal inclination)	10 degrees
Cross-grade	5 degrees



Face drilling coverage



ATTENTION: manual override is possible only when 1-axial rotary actuators are installed.

BOOM

B 40 HD1 (equipped with 2-axial rotary actuator)

Boom extension	1500mm
Boom Lift	+50 /-30°
Boom Swing	+50° /- 30°
Feeder rotation	360°
Feeder crowd	1500mm
Feeder swing	+90 /-90°
Weight	2900kg

FACE MASTER 3.0 Mk3

FEEDER

F-8000 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	5885 mm
Hole depth	4400 mm
Rod length	4305 mm
Weight	850 kg

CARRIER

Diesel engine	Deutz TCD2013L04 - 113 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	14.00 x 24
Fuel tank	90 l
Electrical control system	24 V
Battery	2 x 12V
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	300 l
Filtration	10 µm
Oil cooler	Water cooling system
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 ½ " water hose)
Capacity	60 m

AIR SYSTEM

Compressor	screw compressor
Capacity	0,95 m3/min

ELECTRICAL SYSTEM

Motor	2 x 75 kW, start with STAR/DELTA mode
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	190 – 275 rpm
Rotation torque	max. 1275 Nm

OPTIONAL EQUIPMENT

CLOSED, AIR-CONDITIONED CABIN	Height of the machine: 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
AIR-MIST SYSTEM WITH 400L TANK	Mounted instead of water hose reel; additional air-coolers and more efficient compressor added

FACE MASTER 3.0 Mk3

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 tire)

FEEDER GUIDING SYSTEM

The electronic extra system is a support for the operator to execute the drilling pattern in accordance with requirements. Data logging included.

ELECTRIC CABLE

FEEDER

F-8000 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	10ft	12ft	16ft	18ft
Overall length	4740 mm	5270 mm	6500 mm	7100 mm
Hole depth	2780 mm	3200 mm	4400 mm	5000 mm
Rod length	3050mm	3700 mm	4915 mm	5565 mm
Weight	790 kg	820 kg	880 kg	910 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