



ID # 3739

Naziv: TAMROCK SUPER 316G/CAB

Kategorija:	Bušilice
Brend (marka):	TAMROCK
Napomena:	detaljne karakteristike na slikama
Oprema:	3 ruke za bušenje, stope, radna signalizacija
Lokacija:	Posušje, Bosna i Hercegovina
Ispravnost stroja:	Ispravan
God. proizvodnje:	1994
Radnih sati:	3570
Težina stroja:	34420 kg
Model motora:	Deutz FL413LW
Snaga motora:	102 kW
Vrsta pogona:	Dizel
Veličina gume:	12.00x20 R18













1.5. TECHNICAL DATA

1.5.1. CARRIER:

Type	TC 400
ENGINE:	
Type	Deutz F6L 413 FRW
Structure	4-stroke, swirl-chamber diesel
Cylinders	6
Piston displacements	3768 cm ³
Output	102 kW/2300RPM (138 hp)
Cooling system	air cooling
Oil sump capacity	12 l
Oil type	API—Class CC/SE or CC/SF
Fuel consumption	28l/h
Weight	790 kg
TRANSMISSION	
Clark Powershift	Three speeds forward and reverse.
type	12.6 MHR 24341
Axles:	
front:	SISU BTI
rear:	SISU CEA (i=22.4)

OSCILLATION

Engine end axle oscillation ± 7°

BRAKES

Service brake	Compressed air brake systems with drum brakes in all wheels. Two separate circuits.
Safety/parking brake	Drum brakes actuated by spring, released by compressed air.

HYDRAULICS

Hydraulic pump 22/11cm³ / r 230 bar

STEERING AND CONTROL

Steering valve Orbitrol OSPB – 315

ELECTRIC SYSTEM

Voltage	24 V
Battery	2 x 12V
Starter motor	4.8 kW 24 V
Alternator	Valeo 45A
Fuses:	
main fuses	25A ja 50A
circuit breaker	

1.5.3. FEED:

Type	TF 500–18
Weight	490 kg
Total length	7100 mm
Feed advance	5270 mm
Feed force	25 kN
Drifter rod	18'

1.5.4. HYDRAULIC ROCK DRILL:

Type	HL550 Super
Weight	130 kg
Length	1000 mm
Profile height	76 mm
Percussion mechanism:	
Flow	115 l / min / 230 bar
Operating pressure	120 – 250 bar
Percussion rate	68 Hz
Impact energy	325 Nm
Accumulator pressure:	
– high pressure (HP)	80 bar
– low pressure (LP)	4 bar
Accumulator gas	Type N ₂
Filling valve	Vg 8 DIN 7756
Rotation mechanism:	
Motor type	OMSU 80
– flow	46 l / min / 250 rpm
– pressure	max. 175 bar
Torque	400 Nm / 175 bar
rotation speed	0 – 250 rpm
Flushing:	
– water flow	40 l / min
– pressure	10...20 bar
Working temperature of standard system:	
ambient temperature with	
water flushing	0...+ 40 °C
Oil operating temperature	+ 40...+ 60 °C
Hose fittings:	
Percussion:	
pressure and return sides	JIC 1 1/16"–12
Rotation	JIC 3/4"–16
Flushing	JIC 3/4"–16

1.5.2. BOOM:

Measures and technical data:

ZRU 1000E middle boom

Weights:	
– boom and hoses	2300 kg
– boom, HL550Super, THF 500 and hoses	3050 kg

Other specifications:

Boom head rotation	360°
Boom lift	
– up	60°
– down	30°
Boom swing (symmetric)	± 45°
Boom extension	2000 mm
Feed swing (symmetric)	± 45°
Feed tilt	
– up	30°
– down	60°
Feed extra tilt	90°

ZRU 1400E side booms

Weights:	
– boom and hoses	2850 kg
– boom, HL550Super, THF 500 and hoses	3600 kg

Other specifications:

Boom head rotation	360°
Boom lift	
– up	60°
– down	30°
Boom swing (symmetric)	± 45°
Boom extension	3200 mm (1800+1400)
Feed swing (symmetric)	± 45°
Feed tilt	
– up	30°
– down	60°
Feed extra tilt	90°

1.5.5. HYDRAULIC:

Powerpack HPP 555:

Length/width	450/605 mm
Height	1335 mm
Weight	420 kg
Electric power	55 kW
Rotation speed	3000 r/min (50 Hz)
Capacity of the pumps:	
– Percussion, feed and boom movements	130 l/min / 230 bar
Rotation	52 l/min / 210 bar

1.5.6. PNEUMATIC:

Compressor	Tamrock CD3000 D
Motor	18,5 kW
Capacity	1,7 m ³ / min
Maximum pressure	8 bar
Safety valve opening pressure	bar
Compressor oil filling capacity	6 l
Oil recommended	see separate oil recommendation

1.5.7. WATER CIRCUIT:

Water pump :	
Water pump	WBP3 HP
Motor	11 kW
Pressure	7 – 25 bar
High pressure water pump:	
Pressure	bar
Water hose reel	AL 189

1.5.8. ELECTRIC SYSTEM:

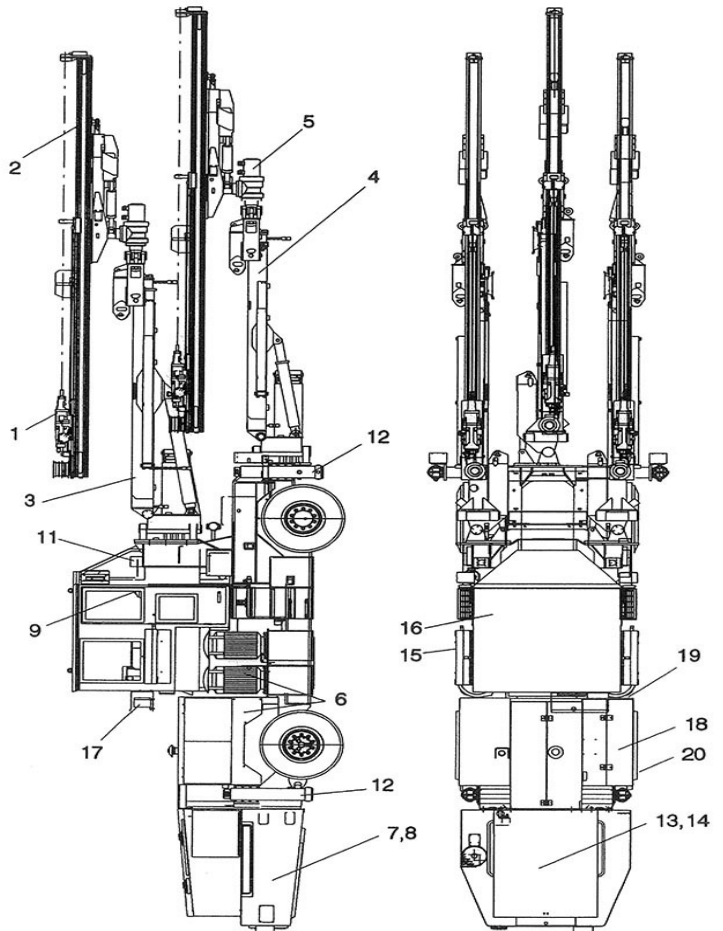
Voltage	380V/ 50 Hz
Input power	200 Kw
Electric motor	Strömberg (HPP 555)
Cable reel	AK 189
VYK	

1.5.9. OTHER TECHNICAL SPECIFICATIONS:

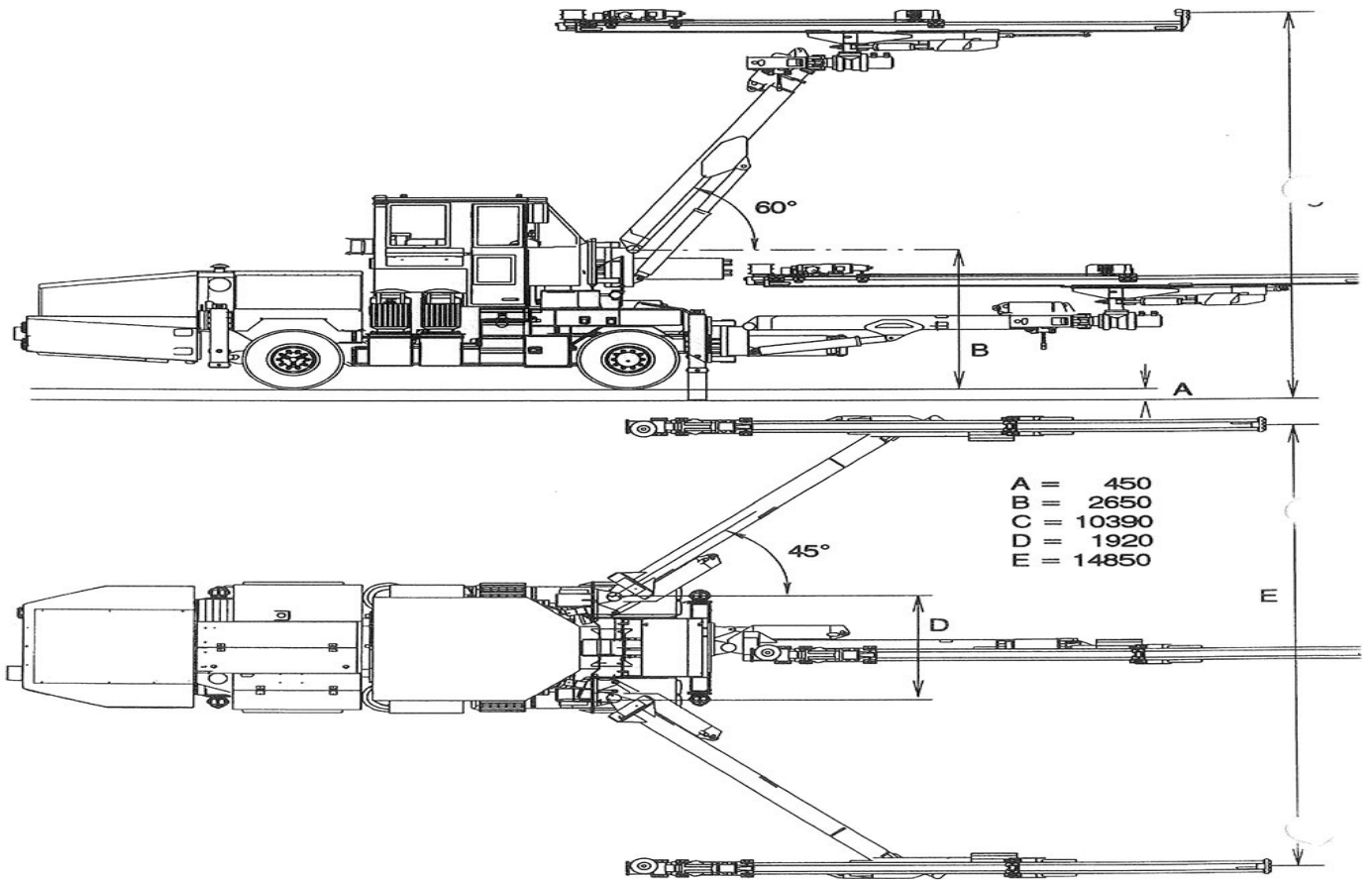
Tyres	12.00 x 20 PR 18
Pressure	8 bar
Total weight	34420 Kg
Level ground, booms in transport position, and rock drills in rear position:	
Front axle weight	25760 Kg
Rear axle weight	8640 Kg
Width	2,5 m
Length	15.7 m
Transportation high	3.2 m
Turning radius (inside/outside)	3.7 / 9.0 m
Tramming speed horizontal	max. 14 km/h
Tramming speed 14%=1:7=8°	4 km/h
Ground clearance	320 mm
Gradeability	15°
Traction force:	
I – gear	200 kN
II – gear	111 kN
III – gear	48 kN
Lightning:	
driving light	6X24V 70w
working light	4X220V / 500w
Tank capacity	
Fuel	160 l
Hydraulic oil	270 l
Water tank	160 l
Engine	19 l
Transmission	30 l
Axles oil capacity:	
front	17 l
rear	6 l
Planetary reduction:	
front	1.8 l
rear	1.0 l
NOISE LEVEL AND NOISE EMISSION	
Noise level at the operator's position .	80 dB (A)
Noise emission	105 dB (A)

1.6. MAIN COMPONENTS

1 Hydraulic rock drill	3 X HL 550 SUPER
2 Feeder	3 X THF 500 – 18
3 Boom	2 X ZRU 1400E
4 Boom	ZRU 1000E
5 Rotation mechanism	3 X Eckart
6 Hydraulic powerpack	3 X HPP 555
7 Water hose reel	AL 189
8 Cable reel	AK 189
9 Control panel	3 x TPC 530
10 Carrier	TC 400
11 TMS data displaying unit	TMS DDSS
12 Hydraulic jacks	HS
13 Compressor	C 2000 DTR
14 Water booster pump	WBP3
15 Return filters	
16 Cabin	
17 Cooling system	
18 Electric switchgear	MSE
19 Carrier main switch	
20 Main switch	



2.3. MAXIMUM DRILLING ANGLES AND OTHER DIMENSIONS



2.4. TRANSPORT MEASUREMENT AND TURNING RADIUS

