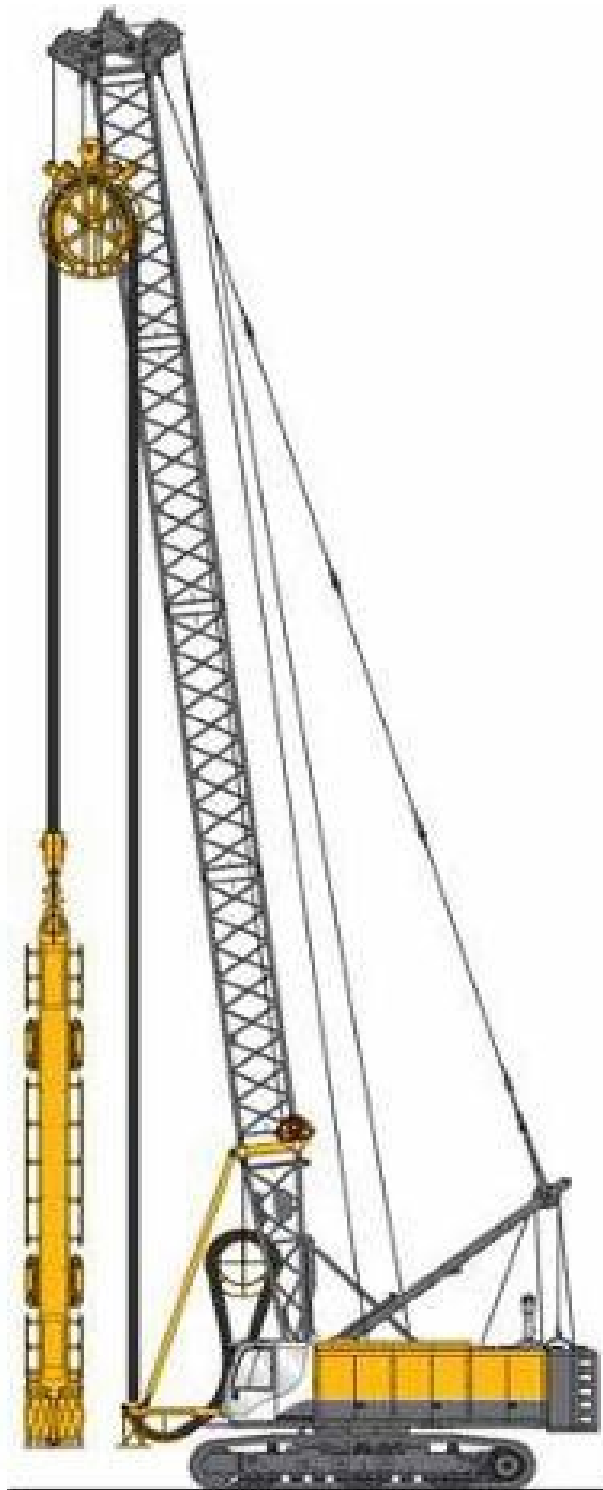




MC 86 / BC 35

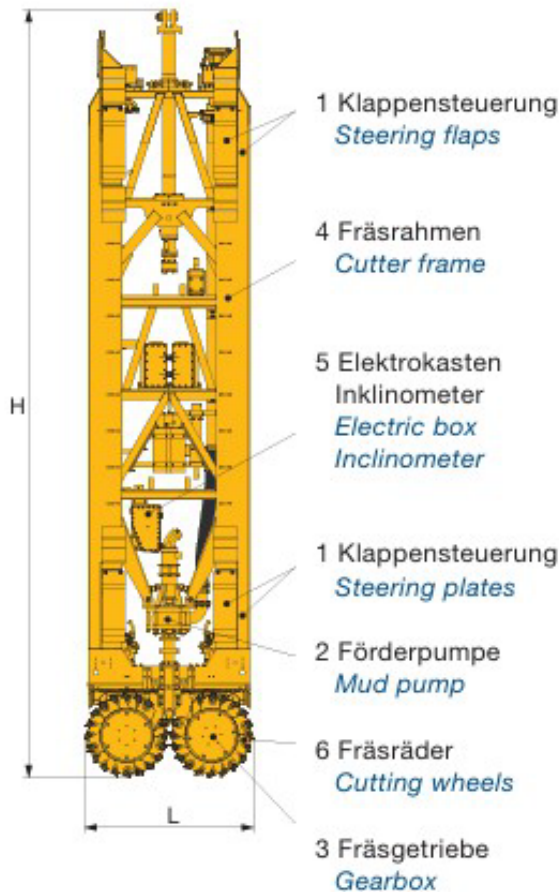


S.no	Equipment	BC 35 - MC 86
1	Brand	Bauer-BC 35
2	Type	HTS
3	Model	BC 35
4	Base machine	Bauer
5	Base Machine Model	MC 86
6	Base Machine - S.no	552
7	Cutter Frame Weight	35 Ton
8	Operating Complete	105 Ton
9	Gear Box Type (KN)	BAUER - BCF 10
10	Engine Make	CAT
11	Engine Model	C18
12	Engine S.no	WRH 12104
13	Engine Power	570 KW
14	Maximum Depth	50 Mtrs
15	YOM	2022
16	Current Working Hrs	11192
17	Commissioning Month /Year	01-Sep-24
18	Current Location	Gemini- Chennai
19	Sale rate	



Hose Tensioning System HTS

Technische Daten | Technical Details



Abmessungen Dimensions

Gesamthöhe H Overall height H	12.600 mm	41.3 ft
Schlitzlänge L Trench length L	2.800 mm	9.2 ft
Klappensteuerung (1) Steering flaps (1)	12 St	12 nos
Klappenhub oben Stroke (upper steering flaps)	100 mm	3.9"
Klappenhub unten Stroke (bottom steering flaps)	100 mm	3.9"
Förderpumpe (2) Mud pump (2)		
Ø Förderleitung Ø delivery pipe	152 mm	6"
Förderleistung Flow rate	450 m ³ /h	588 cu-yd/hr
Fräsgetriebe (3) Gearbox (3)	2 x BCF 9	2 x BCF 9
Drehmoment max. Torque	91 kNm	67120 lbf-ft
Drehzahl Speed of rotation	0 – 25 min ⁻¹	0 – 25 rpm

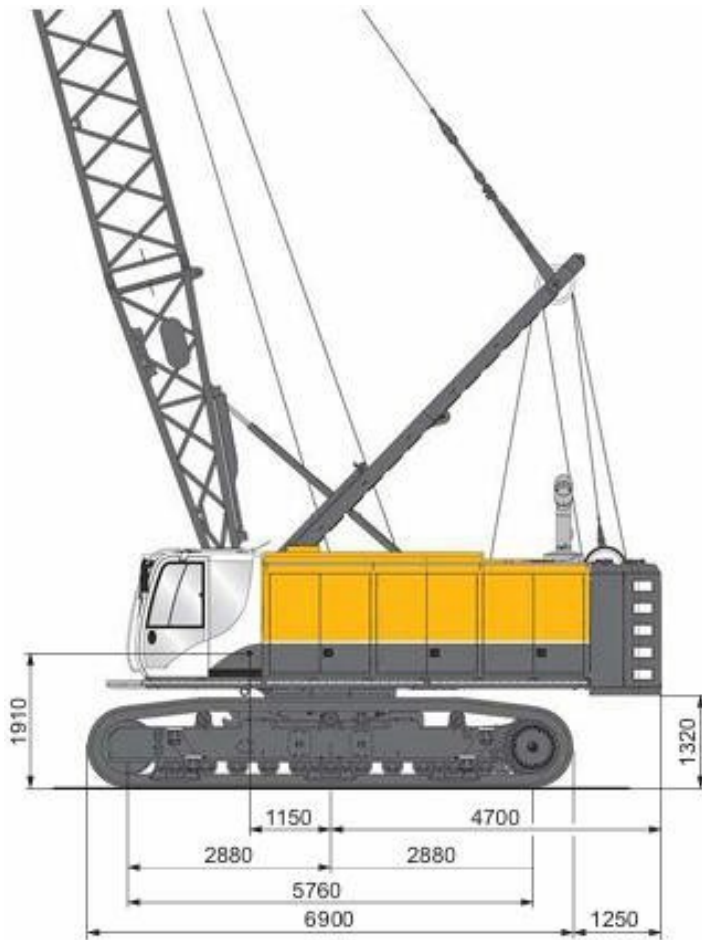


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Control System

- Programmable microprocessor control system (PLC) with electro-proportional control for high adaptable operation
- Clearly arranged control panel for rig functions, located to the right-hand side of the operator's seat
- B-Tronic (electronic control, monitoring and visualization system)
 - Large, bright and non-glare LCD color display
 - Clearly arranged display of the relevant machine and process parameters
 - Optimum positioning of the screen thanks to an individual adjustment system
- Two joysticks on the operator's seat for all functions or double-T control lever for rope grab operation
- Two foot pedals for controlling the crawler

Boom

- Robust tubular lattice boom with thick walled boom tubes, specifically designed for applications in specialist foundation engineering where high dynamic loads occur
- Basic boom consists of an A-frame, hoist winch, hoist rope, boom butt
 - The boom is designed for use with Bauer hose drum systems
 - Boom extensions and boom head according to the application

Hydraulic System

Modern, high-performance hydraulic system with energy-saving flow control on demand and power management system in multiple-circuit technology

Flow Rates

Main circuits for duty-cycle applications	2 x 430 l/min
Main winch circuits	2 x 400 l/min
Additional circuit	1 x 328 l/min
Swing-gear circuit	1 x 204 l/min
Hydraulic pressure	320 bar
Hydraulic tank capacity	1,000 l

- Closed circuits for the main winches
- Open hydraulic circuits for additional consumers (optional)
- Closed hydraulic system for slewing gear
- Additional gear pumps for cooling and control systems
- Electro-hydraulic pilot control
- Cleaning of the hydraulic oil by means of large-dimensioned return oil filters, leak oil filters and pressure filters in the pilot control system
- Cooling system with high power reserves for working under permanent load even when subjected to unfavorable climatic conditions



Engine

CAT diesel engine	C18
Nominal output	570 kW
Operating speed	1,850 rpm
Diesel tank volume	1,250 l
Exhaust emission standard	EPA/CARB TIER 2

Optional:

CAT diesel engine	C18
Nominal output	563 kW
Operating speed	1850 rpm
Diesel tank volume	1,250 l
Exhaust emission standard	EPA/CARB TIER 4 final

Undercarriage

Rigid fully hydraulic crawler undercarriage with adjustable tracks

- 4 access ladders on the crawler, either mountable on the inside or on the outside

Type	UW 120 BC
Travel speed	approx. 1.25 km/h
Crawler type	B 8 B
Track shoe width	900 mm
Track width (retracted/extended)	2,600/4,160 mm
Crawler width (retracted/extended)	3,500/5,060 mm
Crawler length	6,910 mm

Load Hoist Assemblies

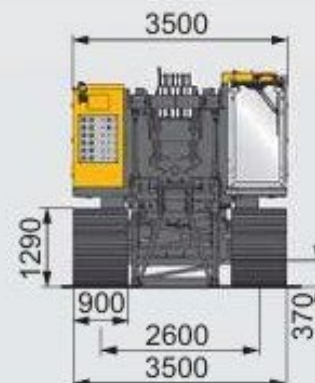
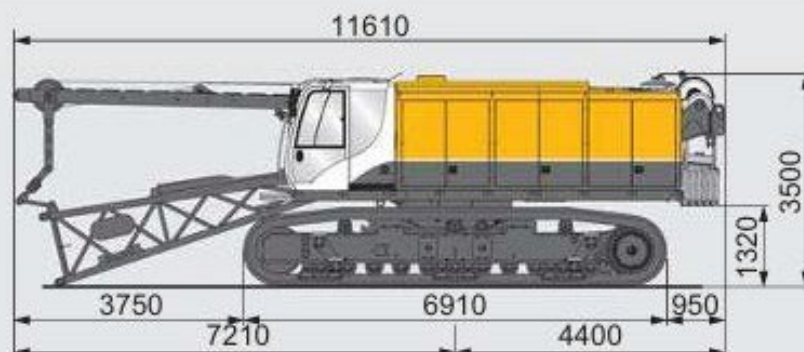
Low-maintenance, compact duty-cycle crane winches, powered by controlled hydraulic adjustable motors via integrated planetary gears

	Hoisting Winch	Free-fall Winch
Main winch 1	250 kN	300 kN
Main winch 2	250 kN	300 kN
Rope capacity Layer 1	50 m	38 m
Layer 1 - 2	112 m	87 m
Layer 1 - 3	178 m	139 m
Layer 1 - 4		195 m
Rope diameter	32 mm	34 mm
Drum diameter	800 mm	760 mm
Max. rope speed	94.3 m/min	103 m/min

Transport – Dimensions and Weights

Base Machine

G = 74.5 t



Counterweights

Standard Counterweight 1

G = 12.5 t



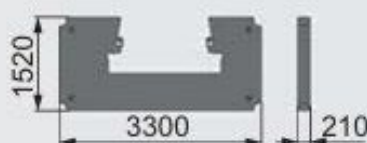
Standard Counterweight 2

G = 12.5 t



Additional Counterweight

G = 5 t



Add-on Counterweight

G = 2 x 2.5 t



Central Ballast

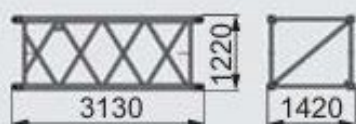
G = 4 x 1 t



Boom Components

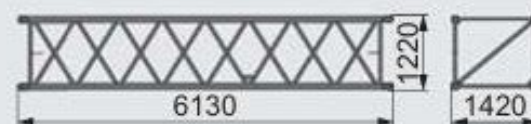
Boom Section 3 m

G = 1 t



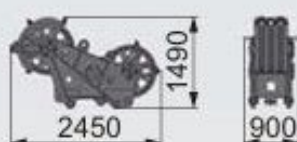
Boom Section 6 m

G = 1.6 t



Roller Head

G = 2 t



Boom Top

G = 1.3 t





Desander Plant



Desanding Plant

Type	BAUER MAT BE 250-60
Maximum delivery rate	250 m ³ /h (water)
Maximum slurry density	1.15 t/m ³
Viscosity	below 40
Sand contents ¹⁾	< 15% as measured by the sand contents measuring device
Main tank volume	2.2 m ³
Weight	4900 kg

Pump

Type	MM 150
Rotation speed	1650 rpm

Pump Motor

Type	225 M4
Required power supply	400V/50Hz / 460V/60Hz ²⁾
Power rating	55 kW
Revolutions	1500 rpm

Vibration Motor

Type	N 300-4
Electrical Connection	400V/50Hz / 460V/60Hz ²⁾
Power rating	2 kW
Revolutions	1800 rpm (at 60 Hz) 1500 rpm (at 50 Hz)

Cyclone

Diameter	450 mm (18")
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Scalping screen

Type	BAUER MAT GS 500-V
Throughput rate	500 m ³ /h
Weight	4050 kg

Vibration motor

Amount	2 pieces
Type	N 300-4
Revolutions	1800 rpm (at 60 Hz) 1500 rpm (at 50 Hz)

Electrical connection vibration motor

The information on the type plate is binding for the electrical supply data (e.g. voltage, frequency, power consumption).

Electrical connection	400V / 50 Hz, 460V / 60 Hz
Output	2 kW
Permitted voltage fluctuations	±5%.
Standard version	2x CEE standard plug 16 A, 5-pole.
UL, CSA, special version	connected by fixed terminal connection in the switch cabinet; 3-phases; 1 PE; 32 A. 1x neutral conductor

Screen

Mesh width	5 mm
Screen surface	2.4 m ²
Screen inclination	0 - 25°

Deflecting feed box

Delivery line connection	DN 200, PN 10
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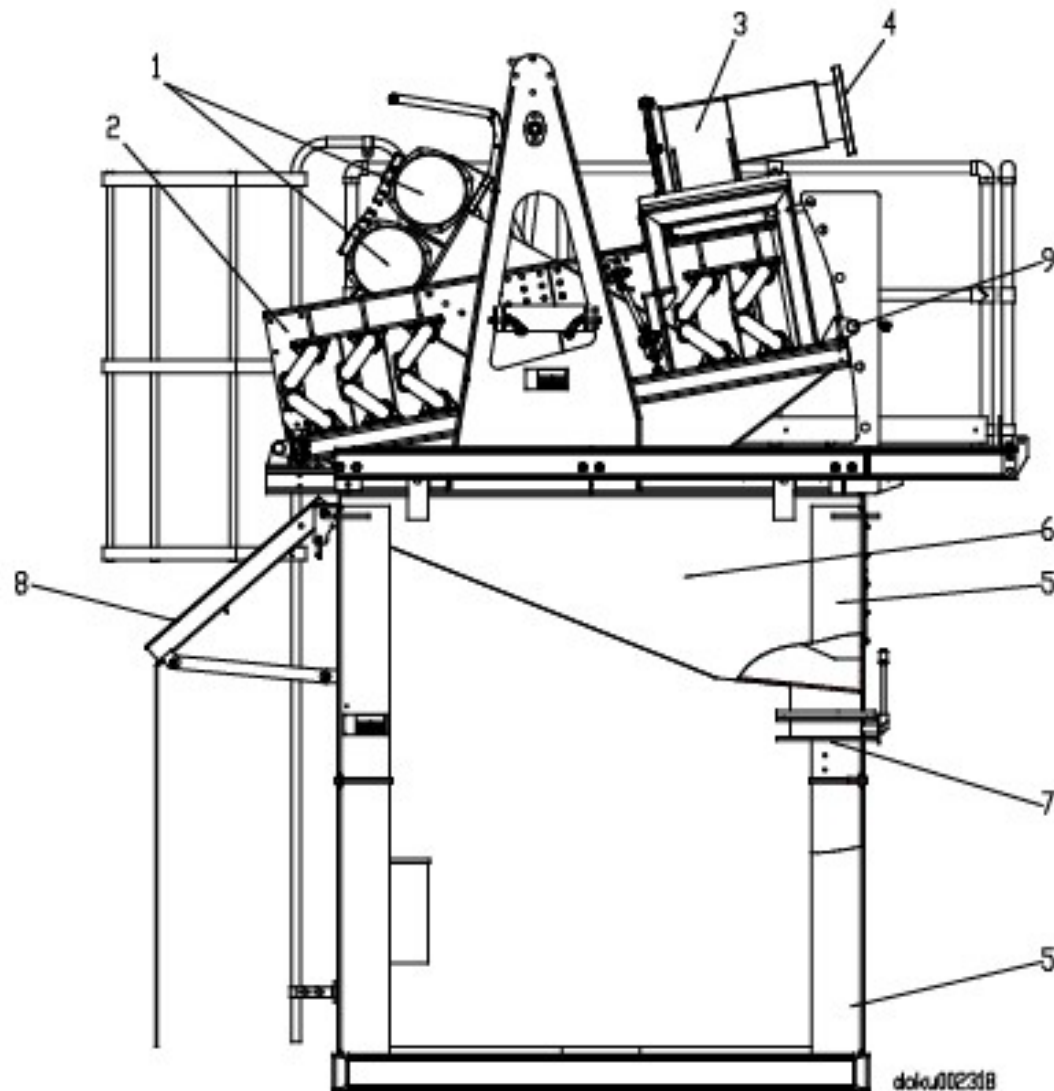
Walkway

Permissible load	500 kg/m ²
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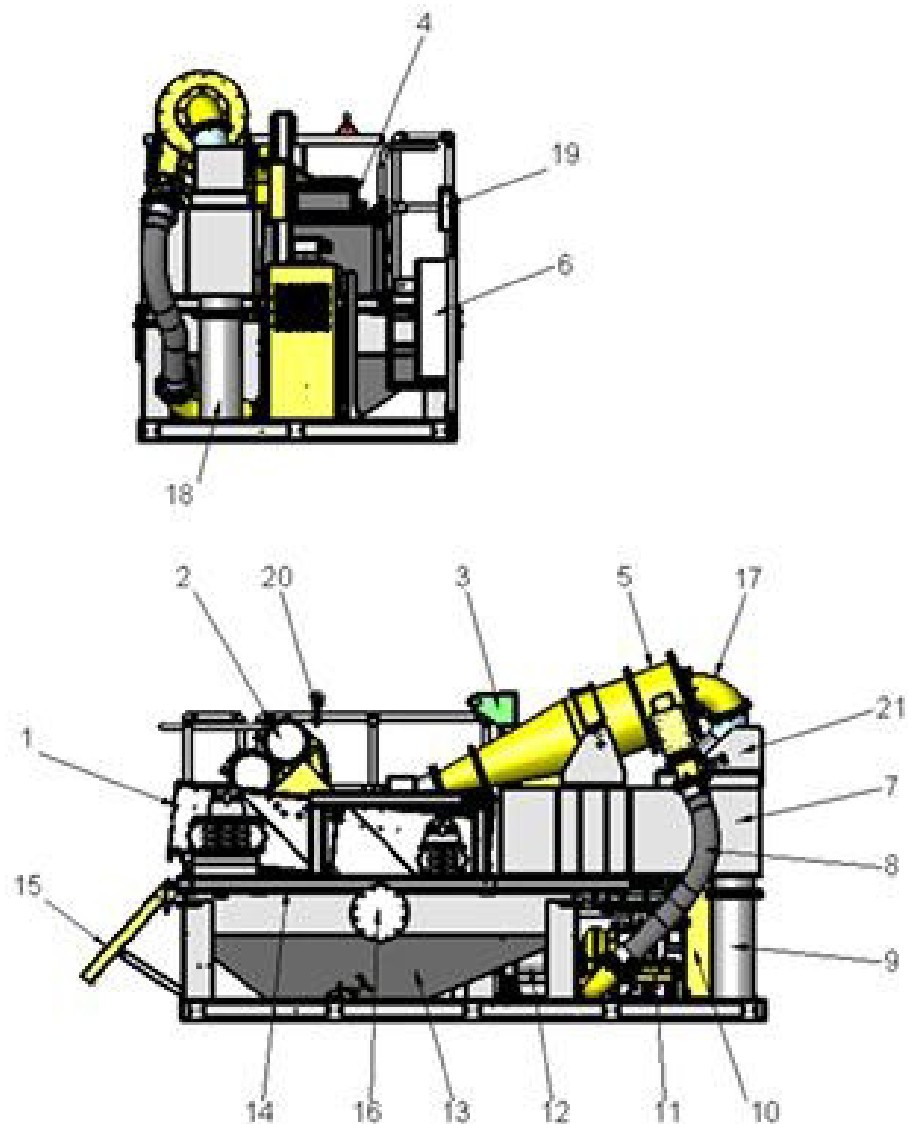
Sound emission

Sound pressure level (SPL)	82 dB(A)
Sound power level (SPL):	104 dB(A)

GS 500-V



- 1 Vibration motor
- 2 Vibration screen
- 3 Deflecting feed box
- 4 Delivery line connection (DN 200,PN 10)
- 5 Steel frame
- 6 Pan
- 7 Discharge line scalping screen
- 8 Slide plate
- 9 Height adjustment



- | | |
|--------------------------------------|------------------------------|
| 1 Vibrating Screen | 12 Outlet |
| 2 Vibration Motor | 13 Sump (Main Tank) |
| 3 Eyelet for Lifting of Entire Plant | 14 Upper Frame |
| 4 Feed Line to Deflector Box | 15 Slide Plate |
| 5 Cyclone Separator | 16 Sump Inlet |
| 6 Control Cabinet | 17 Cyclone Overflow |
| 7 Intermediate Tank | 18 Sump Discharge Line |
| 8 Cyclone Feed Line | 19 Remote Control |
| 9 Slurry Overflow | 20 Screen Lifting Attachment |
| 10 V-Belt Drive | 21 Splash Guard |
| Pump with Motor | |

Recent Pictures



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