

BCS 185

BAUER Cutter System 185

with BCS 185 power pack

BC-System



BCS 185 – BAUER Cutter System 185

With the BAUER trench cutter system BCS 185, you are choosing a product built on over 40 years of experience and countless success stories in the trench cutter industry. Our proven and reliable components are the result of decades of innovation and a passion for delivering exceptional solutions.

The BCS 185 is the powerhouse of our single-purpose carrier product line. This cost-effective trench cutter system is perfectly tailored to meet your needs. With the hose reel system, you can effortlessly reach an impressive cutting depth of up to 90 m. Additionally, the cutter can be equipped with a turning device for the trench cutter. All proven BAUER trench cutters can be easily operated with this system.

Your benefits at a glance:



Compact and flexible/turnable: Smaller footprint and various setup configurations for tight jobsites or corner panels



Modular design: Flexible, quickly ready for use and easy to transport



Minimal emission: Less noise, lower fuel consumption



Highlights

Max. cutting depth:	90 m
Maximum hook load:	46 t
Hose Drum System (HDS):	Turning option

HDS 90 or HDS 90-T

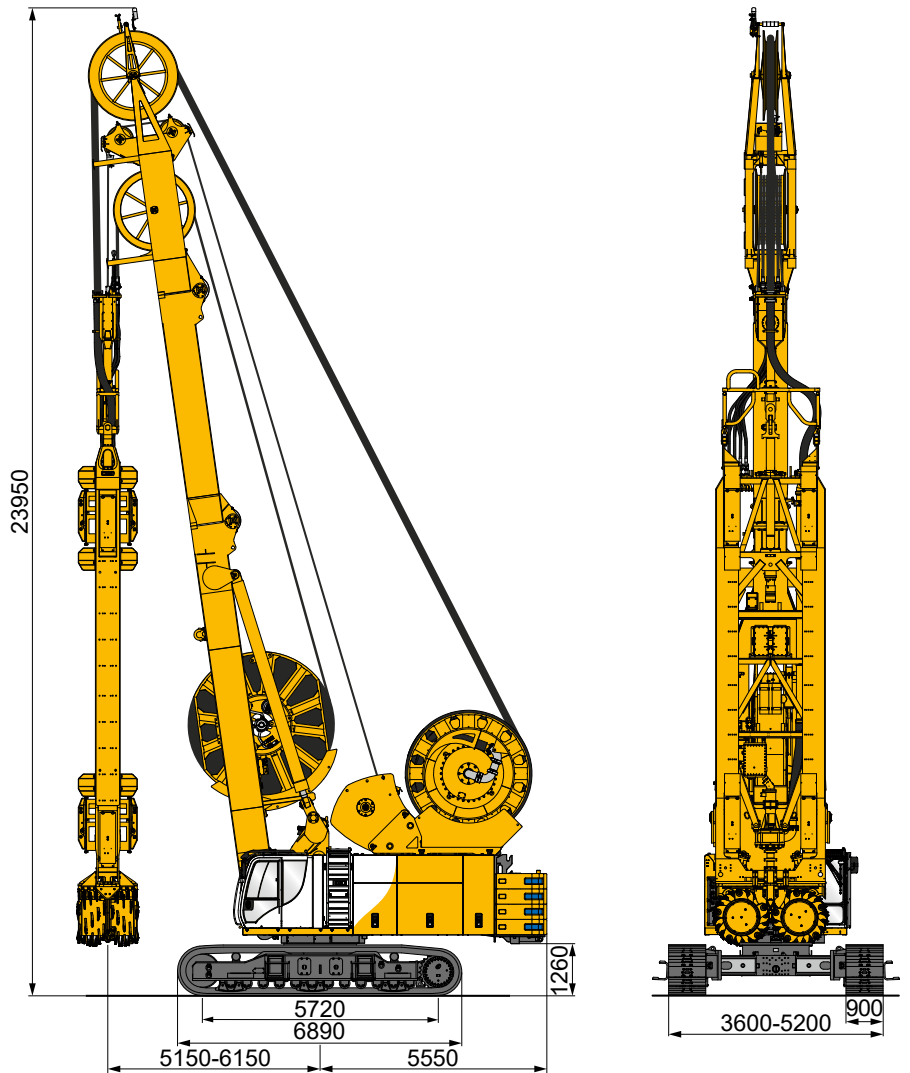
A compact hose drum system designed for cutting depths up to 90 meters. It has hydraulically operated drums for coiling mud and hydraulic hoses. Its streamlined design minimizes dimensions by arranging the drums in a single line. It also offers an optional rotation device for flexible trench cutter operation.

BC 35

A trench cutter that is the perfect fit for the BCS 185 and can handle most of the diaphragm wall projects. For challenging projects the system can also accommodate the BC 48 and, of course, all other BAUER trench cutter models.

MT 185

The base machine for an efficient trench cutter system. It provides high stability, ergonomic features, and modern technologies like the B-Tronic. It enables simple operation and display of working parameters in real time.



Base Carrier – MT 185		
Upper carriage		BT 160
Engine	Volvo TAD 16	Volvo TWD 16
Rated output ISO 3046-1	565 kW @ 1,800 rpm	565 kW @ 1,550 rpm
Engine conforms to	- UN/ECE R96 ¹⁾ - China Nonroad Stage III	- EU Stage V - EPA/CARB Tier 4 final
Diesel tank / AdBlue tank capacity	1,150 l / –	1,150 l / 165 l
Sound pressure level in cabin (EN 16228, Annex)	Lpa 80 dB (A)	
Sound power level (2000/14/EG a. EN 16228, Annex B) measured (guaranteed)	Lwa 106 (108) dB (A)	
Undercarriage		UW 185
Crawler type	B 8	
Traction force, effective	883 kN	
Overall width of crawlers (retracted / extended)	3,580 mm / 5,200 mm	
Width of track shoes	900 mm	
Hose Drum System-HDS		HDS 90 / HDS 90-T
Cutting depth	90 m	
Turning device	Optional Trench width > 800 mm	
Max. hook load	46 t	
Max. recovery force	600 kN	
Cutter winch		M6 / L3 / T5
Pulling force, effective	300 kN	
Rope diameter	32 mm	
System information		BCS 185
Recommended BAUER trench cutter	BC 35 with BCF 11 gearboxes	
Total weight with BC 35 1,500 mm and RSC cutter wheels	approx. 180 t	

1) Exhaust emission equivalent to EPA Tier 2

G = Weight
B = Width

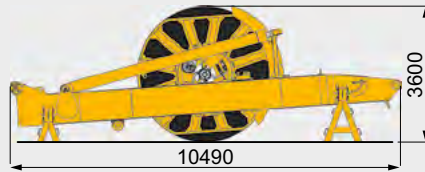
Weights shown are approximate values; optional equipment may change the overall weight and dimensions.

G = 89.2 t
W = 3,600 mm

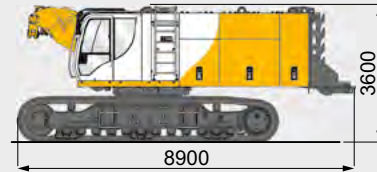


G = Weight
W = Width

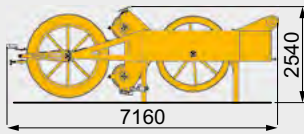
G = 24.5 t
W = 2,200 mm



G = 65.3 t
W = 3,600 mm



G = 4.4 t
W = 1,500 mm



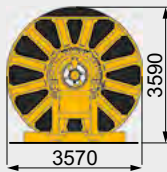
G = 7.2 t ea. (4 pcs.)
W = 3,500 mm



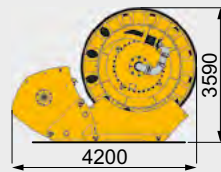
G = 39.1 t
W = 3,600 mm



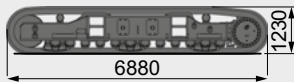
G = 11.8 t
W = 2,100 mm



G = 18 t
W = 2,300 mm



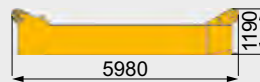
G = 13.1 ea. (2 pcs.)
W = 1,300 mm



G = 2.4 t
W = 1,500 mm



G = 3.5 t
W = 1,200 mm



Highlights

The newest innovation BCS 185 power pack offers all key features of the BCS 185, with the bonus of maximum flexibility.

Maximum cutting depth	90 m
Maximum hook load	46 t
Hose Drum System (HDS)	Turning option



Flexibility to project requirements

The machine can be equipped with a hydraulic power pack with either diesel or electric drive allowing optimal adaptation to various project conditions.



Adaptation to confined job sites

Three different options of positioning the power pack (side assembly, rear assembly or remotely on the ground) create flexibility for jobsites with limited space



Integrated auxiliary drive

For loading and unloading base machine without power pack.



Maximum transport width

The maximum transport width of the device is 3 meters, which facilitates transportation and ensures compliance with standard transport regulations.

With electric power pack HE 1400



No local CO₂ emissions

Operating with an electric generator eliminates local CO₂ emissions, providing a more environmentally friendly solution and reducing the project's carbon footprint.



Reduction of construction site noise

The electric drive contributes to lowering noise levels on-site, making it possible to work in noise-sensitive areas with reduced sound pollution.



BCS 185 power pack

System information	BCS 185 power pack
Recommended BAUER trench cutter	BC 35 with BCF 11 gearboxes
Total weight with BC 35 1,500 mm and RSC cutter wheels, side assembly power pack	approx. 187 t
Sound pressure level in cabin (EN 16228, Annex B)	L _{PA} 80 dB(A)
Sound power level (2000/14/EG a. EN 16228, Annex B) measured (guaranteed)	with HE 1400: L _{WA} 103 (105) dB(A) with HD 1400: L _{WA} 107 (109) dB(A)

Power Pack HD / HE 1400

	HD 1400	HE 1400
Engine	Diesel engine	Electric engine
Engine Type	CAT C18	three-phase asynchronous motor
Engine conforms to	- UN/ECE R96 ¹⁾ - China Nonroad Stage III	- EU Stage V - EPA/CARB Tier 4 final
Rated output ISO 3046-1	570 kW @ 1,850 rpm	563 kW @ 1,850 rpm
Diesel tank capacity	1,100 l	-
Electrical equipment	-	soft starter (IT grid required)
Supply voltage	-	690 V
Connection type	-	clamped
Frequency	-	50 Hz

Hydraulic system

Flow rate		
- open circuit	3 x 425 l/min + (1 x 325 l/m)	3 x 390 l/min + (1 x 295 l/min)
- closed circuit	2 x 125 l/min + 1 x 100 l/min	1 x 370 l/min + 1 x 115 l/min + 1 x 90 l/min
Max. working pressure	300 (350) bar	
Hydraulic oil tank capacity	1,300 l	

Dimensions frame without ladder, exhaust and Silent Pack

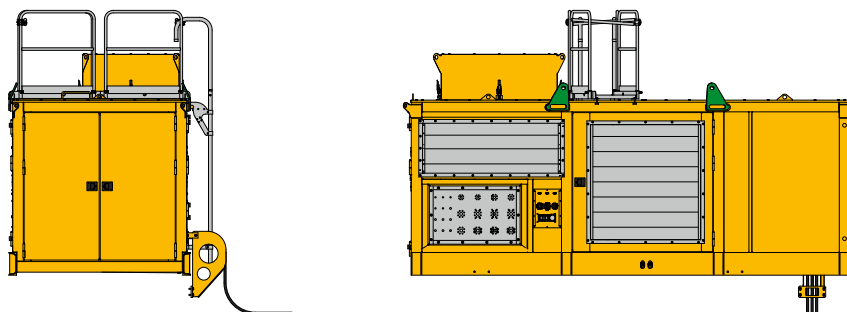
Length	6,031 mm
Width	2,400 mm
Height (approx.)	2,542 mm

Weight

Overall weight (approx.)	13,200 kg	13,500 kg
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Other

Operating temperature	-20 °C to +40 °C	
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1) Exhaust emission equivalent to EPA Tier 2

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*toll-free number, where available

24/7



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