

EBH160 CANTILEVER ROAD HEADER



EBH160 cantilever road header is designed by KAMACH MINING with multifunction hydraulic-control cantilever road header.

It adopts modular design, compact in size, easy to assemble;

Cutting head: international brands like Epiroc, etc.

Travel motor and reducer: international brands like Rexroth, Danfoss, etc, allows the road header to mobilize on $\pm 22^\circ$ slope;

High efficiency: single electric motor drive the road header thru transfer box;

Foldable cutting arm, help collecting the gravels;

Other main components are imported;

1. Executed standard:

MT/T 238.3-2006 <Cantilever road header Part 3: General technology>

Q/ST 01-2018

2. Main Parameter of equipment

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Over-all parameter

Equipment weight (empty weight)	32 Metric Ton
Overall dimensions	10.25 m×2.8 m×2.05 m
Maximum dis-assemble size of equipment body	5.5 m×2.0 m×1.8 m
Maximum break-down size of chassis	3130mm×960mm×1320mm
Maximum break-down weight of chassis	≤3500 mm
Total power installed	160 kW
Feeder width	2800 mm
Electricity needed	660/1140VAC 50/60Hz

Hydraulic system

Rate hydraulic pressure	32 MPa
Working method	Load sensitive + Constant power supply
Operate method	Pilot control
Oil cooler cooling method	Liquid-cooling and Air-cooling
Oil tank volume	≥280
Maximum hydraulic oil temperature	75°C

Walking mechanism

Walking method	Integrated hydraulic motor + reducer+Crawling
Track board width	450 mm
Ground contact pressure	≤0.13 MPa
Walking speed	0 ~ 9.5 m/min
Ground clearance	250 mm
Grade ability	±25°

Cutting head

Mounting method	Horizontal axis
Rotate speed	0 ~ 75 rpm
Power	120 kW
Most economic suitable roc coefficient	80/60 MPa
Cutting width	5450 mm
Cutting height	4345 mm
Cutting depth	960 mm

First conveyor

Transport mechanism	Single chain drive scraper
Loading capacity	60 m³/h
Scraper chain speed	0.8 m/s
Tightening method	cylinder

Sprayer

Spray method	External
Spray pressure	≤4 MPa
Water flow	≥30 L/min

3. Main components and supplier

S/N	Component	Manufacturer	Remark
1	Main pump 1	Rexroth	
2	Main valve 1	Rexroth	
3	Main pump 2	Rexroth	
4	Main valve 2	Rexroth	
5	Main pump 3	Rexroth	
6	Main valve 3	China	
7	Cutting head	Epiroc	
8	Hose	Continental	
9	Electric motor	ABB or Chinese famous brand	
10	Electric cabinet	Chinese famous brand	
11	Conveyor motor	Chinese famous brand	
12	Track	Chinese famous brand	
13	Star wheel motor	Chinese famous brand	
14	Walking motor	Rexroth	
15	Water pump	Italy brand	
16	Cylinder	Hengli or other famous brand	

4. Technical documents

S/N	Name	Quantity	Remark
1	Operator's manual & maintenance manual	1	
2	Parts Catalogue	1	
3	Delivery list		
4	Main diagram		
5	Hydraulic diagram		
6	Electric diagram		

5. AFTER-SALE SERVICE

Maximize productivity time and reduce costs for the clients.

- ✓ 1 year|2000 engine hours warranty after commissioning;
- ✓ Rolling spare parts stock in the owner's country at supplier's cost;
- ✓ Free training in supplier's workshop;
- ✓ Free on-line training for the buyer's operators;
- ✓ 24-hours on-line support.