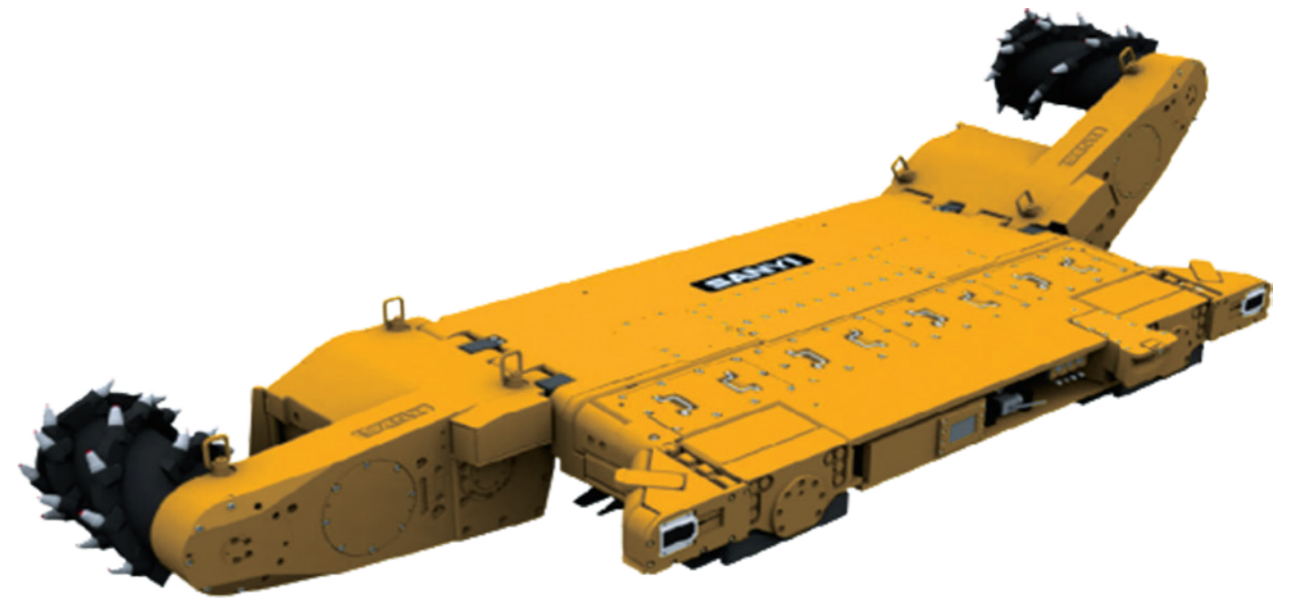


730C Series Thin Seam Coal Mining Machine



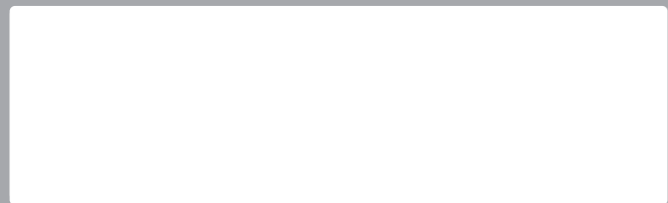
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Update date: October, 2017



Due to continuous update of technologies, the technical specification is subject to changes without further notice. The machine shown in the diagram probably contains additional equipment. The copyright is reserved by Sany Heavy Equipment Co., Ltd. Without the written consent of Sany Heavy Equipment Co., Ltd., it's prohibited to copy or duplicate any part of this brochure for any purpose.

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Product Lineup

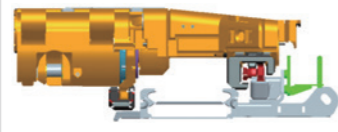
730C Series Thin Seam Coal Mining Machine Lineup

Equipment model	Mining height range (mm)	Machine face height (mm)	Yearly output (10,000 tons)
MG160/385-WD	0.8 ~ 1.3	525	30 ~ 50
MG210/485-WD	1.0 ~ 1.8	683	50 ~ 80
MG210/490-WD	1.2 ~ 2.4	725	60 ~ 100
MG260/590-WD	1.2 ~ 2.4	725	80 ~ 120
MG330/730-WD	1.2 ~ 2.4	725	100 ~ 150



PRODUCT ADVANTAGES AND FEATURES

Suspended machine body



730C series thin seam coal mining machine is presently a domestic thin seam long-boom mining machine of advanced performances, featuring low machine face height, short body length, and powerful cutting capacity. It's applicable for the mining needs of 0.8~2.2m coal seams and can be installed with 764/630 scraper conveyor to meet the mining height and capacity needs.

Short machine body



With short body length, this machine features good adaptability and trafficability. It's the world's shortened thin seam coal mining machine, featuring excellent adaptability.

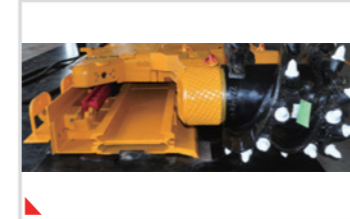


PRODUCT ADVANTAGES AND FEATURES



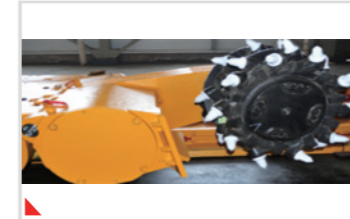
Powerful cutting capacity and good trafficability

1. With maximum single boom power at 330kW, this machine features powerful cutting capacity.
2. With shortest body length (>7m overall length), this machine can adapt to the fluctuation of coal seams to the maximum degree.



Low machine face height and large coal flow-through space

1. The suspended body layout of machine achieves lower machine face height.
2. The large coal flow-through space is superior to that of like machines.



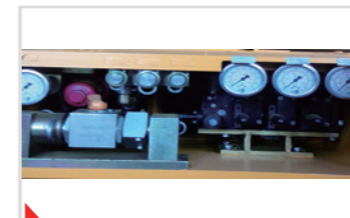
High productivity and good coal loading performance

1. High traction speed and high productivity
2. C-shaped boom works with corresponding coal blade to achieve excellent coal loading performance.



Stable cutting and reliable traveling

1. Short boom length and low vibration
2. Short torque shaft for easy maintenances
3. The lives of traveling wheels are no less than 6 months.



Load-sensing system

The load-sensing multi-way valve is applied to achieve high working efficiency and low heating value.

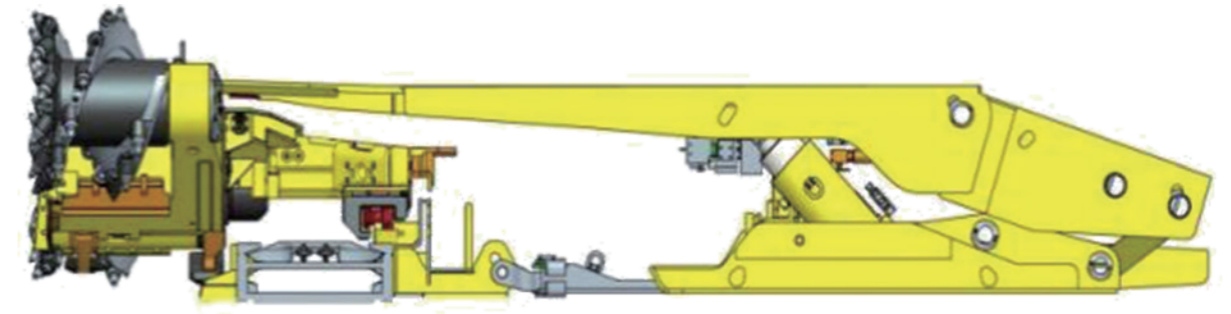
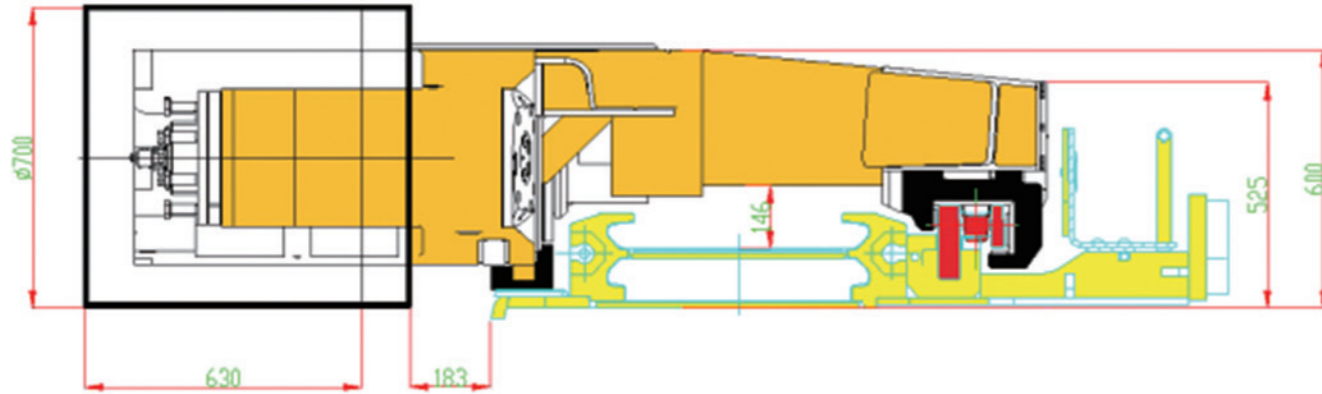


High-reliability electric system

1. The electronic control system of >5g seismic grade can adapt to the severe underground working conditions.
2. The modular design features simple structure and easy maintenances.
3. The 5.7" color display screen clearly shows all machine parameters.

730C series coal mining machine

730C series coal mining machine



MG160/385-WD coal mining machine

MG210/485-WD coal mining machine

MG160/385-WD coal mining machine

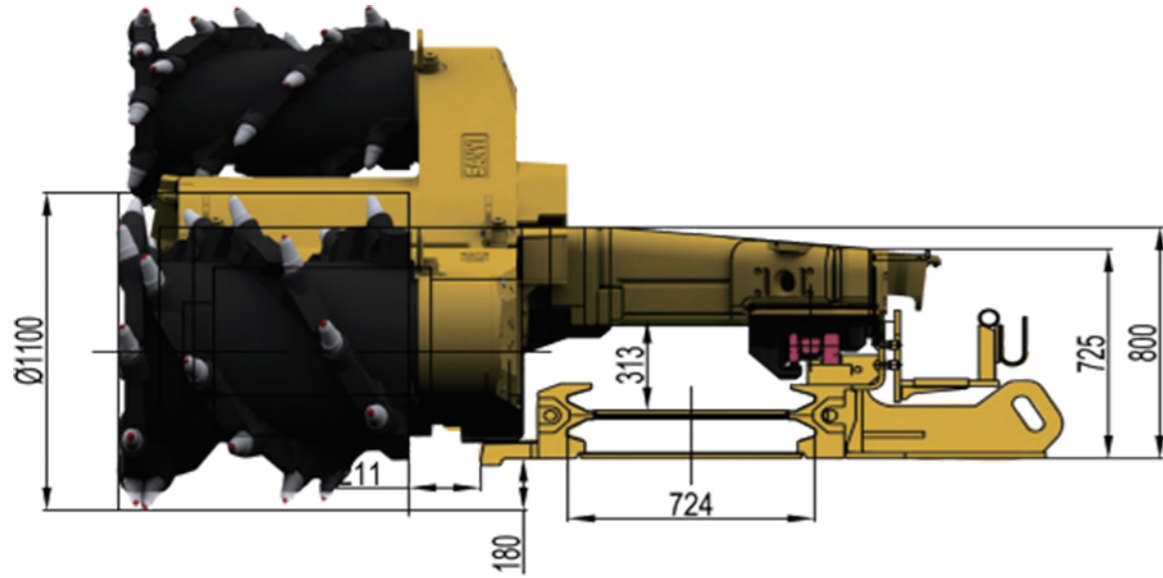
Technical Specification

MG160/385-WD coal mining machine				
Mining height range, mm	800 ~ 1300	Overall dimensions	Length, mm	4993
Inclination angle of working face	≤ 55°		Width, mm	2185
Coal hardness	f ≤ 4		Height, mm	600
Total installed power, kw	385 (384)	Machine face height, mm	600/525 (Depending on specific configuration)	
Cutting power, kW	2 × 160	Coal flow-through height, mm	146 (Depending on specific configuration)	
Traction power, kW	2 × 30	Floor-based quantity, mm	160 (Ø800 drum)	
Pump power, kW	5 (4)	Drum diameter, mm	Φ 700 / Φ 800 / Φ 850	
Supply voltage, V	1140	Cutting depth, mm	630/700	
Traction mode	Gear - pin rail	Drum speed, r/min	81	
Traction speed, m/min	0~6.2~12	Maximum non-detachable weight, kg	4500	
Traction force, kN	520/260	Maximum non-detachable dimensions, mm	3020 × 985 × 495	
Control mode	Manual control and remote control	Installed conveyor	SGZ630	
Electric control	Motion controller	Overall weight, t	~ 16t	

Technical Specification

MG210 (160) /485 (385) -WD coal mining machine				
Mining height range, mm	900 ~ 1800	Overall dimensions	Length, mm	5433
Inclination angle of working face	≤ 55°		Width, mm	2028
Coal hardness	f ≤ 4		Height, mm	758
Total installed power, kw	485 (484)	Machine face height, mm	758/658 (Depending on specific configuration)	
Cutting power, kW	2 × 160	Coal flow-through height, mm	304 (Depending on specific configuration)	
Traction power, kW	2 × 30	Floor-based quantity, mm	160 (Φ 950)	
Pump power, kW	5 (4)	Drum diameter, mm	Φ 850 / Φ 950 / Φ 1100	
Supply voltage, V	1140	Cutting depth, mm	630/700/800	
Traction mode	Gear - pin rail	Drum speed, r/min	65	
Traction speed, m/min	0~6.2~12	Maximum non-detachable weight, kg	4500	
Traction force, kN	520/260	Maximum non-detachable dimensions, mm	3020 × 985 × 495	
Control mode	Manual control and remote control	Installed conveyor	SGZ764、SGZ630	
Electric control	Motion controller	Overall weight, t	~ 18t	

730C series coal mining machine



[MG330/730-WD coal mining machine](#)

[MG260/590-WD coal mining machine](#)

[MG210/490-WD coal mining machine](#)

Technical Specification

MG330 (210) /730 (490) -WD coal mining machine				
Mining height range, mm	1150 ~ 2400	Overall dimensions	Length, mm	6552
Inclination angle of working face	≤45°		Width, mm	2226
Coal hardness	f ≤ 5		Height, mm	800
Total installed power, kw	730	Machine face height, mm	800/725 (Depending on specific configuration)	
Cutting power, kW	2 × 330	Coal flow-through height, mm	313 (Depending on specific configuration)	
Traction power, kW	2 × 30	Floor-based quantity, mm	273(Ø1250 drum)	
Pump power, kW	10	Drum diameter, mm	Φ 1150/Φ 1250/Φ 1400	
Supply voltage, V	1140	Cutting depth, mm	800/700	
Traction mode	Gear - pin rail	Drum speed, r/min	55	
Traction speed, m/min	0~7.4~14	Maximum non-detachable weight, kg	6400	
Traction force, kN	450/230	Maximum non-detachable dimensions, mm	3580 × 1145 × 580	
Control mode	Manual control and remote control	Installed conveyor	SGZ630/SGZ764/SGZ800	
Electric control	Motion controller	Overall weight, t	~ 26t	

730C series coal mining machine

Construction Cases ▶



Operation cases

No.	User	Product model and code	Installed conveyor	Manufacture date	Working condition
1	Beixulou coal mine, Shaanxi Hengyuan Coal Group Co., Ltd.	MG210/485-WD	SGZ630 ZY3000/07/17	2013.9	0.9~1.1m coal seams, with multiple faults and with ferric sulfide in roof. Daily output at 2,000t. Stable working and good coal loading performance.
2	Beixulou coal mine, Shaanxi Hengyuan Coal Group Co., Ltd.	MG210/485-WD	SGZ630	2014.9	High-grade conventional mining, with 8~9 coal cuts per day. Approximately 1m thick coal seams.
3	Shihe 2# mine, Shanxi Jincheng Anthracite Mining Group Co., Ltd.	MG210/485-WD	SGZ764 ZY6800/11/22	2014.11	1.3~1.7m coal seams, with large fluctuation and high height variation. With good adaptability, this machine remarkably reduces the mining volume of gangue.
4	Baliancheng coal mine, Jilin Huichun Mining Group	MG210/485-WD	SGZ764 ZY3800/07/17D	2015.3	1.2~1.4m coal seams and average 15~17 cuts per day. This machine features stable working, low vibration, and good coal loading performance.
5	Zhenxing coal mine, Inner Mongolia Mengxing Investment Group	MG210/485-WD	SGZ764 ZY5800/08/18	2017.10	Coal seams: Average 1.1m thickness seams.
6	Xinmin energy mine, Shanxi Lin County Huaye Coal Industry Co., Ltd.	MG210/485-WD	SGZ630	2017.4	1.1~1.4m coal seams. High-grade conventional mining.