



High Gradient Roadheader

SCR280



In-depth customization

- It is applicable to the customer-located sylvite area, and the mining area with steep slope.



Reliability

- The connection of the walking body is strengthened, the transverse key is added to eliminate the shear force of the bolt, and the service life of the connection is increased by 3 times.

Weight/Dimensions

Item	Parameter
Overall dimension	Length 11.9m
	Width 1. Shovel width: 3.6 m 2. Width on both sides of the track 3.1m
	Height 1. Machine height: 2.12 m 2. Height of the highest point of cutting head placed horizontally: 2.72 m
Overall weight	95t (including belt conveyor)
Supply voltage	1140V
Oil pump motor power	160kW
Maximum installed power	440kW
PH value of supplied water	6 ~ 8
	Chloride ion content ≤ 200 mg / l
	Sulfate ion content ≤ 400 mg / l
Underground water supply pressure	3MPa-8MPa
Required/minimum cooling water consumption	120/30L/min
Maximum non-removable part weight (body frame)	9000kg
Track width	850mm
Hydraulic pump displacement	260+260ml/r
Pressure to ground	0.15MPa
Space to ground	350mm
Traveling reducer torque	2×450kN·m

Main technical parameters

Item	Parameter
Positioning cutting height	Arched roadway 3.6 ~ 5.5m
	Rectangular roadway 3.2 ~ 5.5m
Positioning cutting width	4.2 ~ 6.5m
Gradeability	-25° ~ +18°
Working gradient	-21° ~ +14°
Economic cutting coal unidirectional compressive strength	80MPa
Applicable roadway type	Whole rock roadway driveage, and sylvite mining and driveage
Dinting depth	265 mm (rock) 285 mm (salt)
Cutting motor power	280/200kW
Loading type	Five-tooth planetary gear
Cutting head speed	55/27r/min
Conveyor type	Side double-chain scraper conveyor
Maximum nonremovable part dimension (L×W×H)	Body frame 3.80×1.39×1.52m
	Motor housing 2.50×1.85×1.00m
	Front chute 3.77×0.78×0.52m
	Track frame 4.25×1.15×0.76m
Planetary gear speed	33r/min
Conveyor chain speed	66m/min
Traveling speed	0 ~ 4/8m/min (double speed)
Oil tank capacity	1200L
Cutting head	Special cutting head for mudstone and sylvite

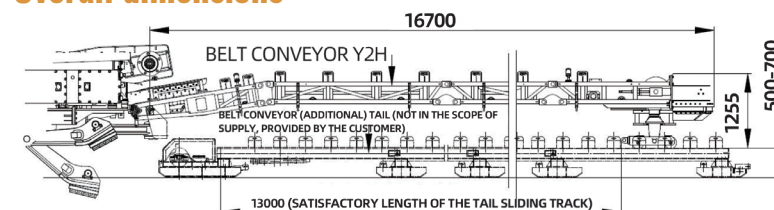
Main technical parameters of the second conveyor

Model	Code	Item	Parameter	Item	Parameter
Y2H	10118179	Power roller voltage	1140/660v	Conveyor belt speed	1.6m/s
		Power roller power	15kW	Conveyor belt width	800mm
		Machine weight	4000kg	Overall dimensions (L×W×H)	17×1.385×1.3m
		Motor arrangement	The single motor is placed inside the roller	Transportation method	Belt conveyor (additional) with belt width of 650 mm or 800 mm

Optional configurations for SCR280 high-gradient roadheader

S/N	Description and model	Code	Options	Remark
1	Standard belt conveyor Y2H	10118179	■	Belt conveyor (additional) with belt width of 650 mm or 800 mm is equipped.
2	Remote control	/	■	
3	Automatic lubrication system for slewing bearing	/	■	

Overall dimensions



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Reminder:

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