

Roadheader Type CS-50



Technical specification of the roadheader CS-50

General information	
Roadheader model	High / Low
Total installed power	100+2*15+3*13+10 = 179 kW
Rated input voltage	500 V (optionally 1000V)
Rated frequency	50 Hz
Weight	Approx. 29 000 kg
Ground pressure	0,11 MPa
Max. longitudinal gradient	± 18°
Max transverse gradient	± 5°
Cutting width:	
High version	5250 mm
Low version	4800 mm
Cutting height:	
High version	4260 mm
Low version	3850 mm
Cross-section area of the face:	
High version	Max. 22 m ²
Low version	Max. 16,5 m ²
Subassembly	Cutter head gearbox
Motor output	100 kW (optionally 132kW)
Nominal gear input RPM	1450 rpm
Nominal gear output RPM	72,8 rpm
Lubrication	Gravitational
Other information	Single speed, three stage bevel and spur gearbox with Goetze sealings
Subassembly	Travel mechanism
Motor output	2x15 kW
Input rpm	1450 rpm
Output rpm	5,7 rpm
Tramming speed	Min. 5 m/min
Width of caterpillar track	0,550 m
Chain pitch of the track	0,12 m
	Gear reducer driven by an electric motor with Electromagnetic brake, four-speed gearbox ended with a planetary gear with built-in toothed clutch to disengage the gear
Subassembly	Hydraulic system

Motor output	13 kW
Nominal pressure	25 MPa
Pump output	
Filtration efficiency pressure return	16 μ 25 μ
Oil tank capacity	Approx..210 dm ³
Number of working section of the multi- sectional valve	5
Main	4
Auxilliary	1
Flow divider	
Multi-sectional valve control	manual
Subassembly	Scraper conveyor
Power transmitted	2x13 kW
Input rpm	1450 rpm
Output rpm	109,6 rpm
Lubrication system	Gravitational
Chain speed	0,85 m/s
	Single speed, single stage cylindrical gear driven by electric motor
Subassembly	Subassembly
Width:	
Basic	2,0 m
With widening of 250	2,5 m
With widening of 500	3,0 m
Subassembly	Work platform with hydraulic lift for roof member/canopy of the arch support
Other information	Additional accessories

