

Mobile Road-Rail Container Complex KCM



Mobile Rail-welding complex KCM007 based on rail-welding machine K922-1

The complex is designed for contact butt welding by pulsating melting of rails with cross-sectional area from 6500mm² to 10000mm² with hail removal immediately after welding in field conditions.



The base of the complex is a VOLVO truck chassis equipped with a railroad hydrostatic bogie drive for traveling on a rail track of 1520, 1435 or 1000 mm width.

In the body of the vehicle are located: self-contained diesel generator, welding machine K920-1 or K922-1, pumping station, control cabinet, hydroficated hoist and auxiliary equipment.

Technical specifications

	KCM007
Cross-section of rails to be welded, mm ²	6500-10000
Rated continuous secondary current, kA	21,5
Rated mains voltage, V	400
Frequency of mains current, Hz	50
Highest productivity when welding rails with cross-section 8200 mm ² , joints/hour	13
Oil pressure in the hydraulic system, MP	21
Clamping force, kN (at hydraulic system pressure 21MPa)	3000
Sedimentation force, kN (at hydraulic pressure 21MPa)	1200
Rated operating mode SP, %	50
Machine time for welding rails with cross-section 8200 mm ² , s	180
Diesel generator capacity, kVA	400
Load capacity of the crane-manipulator, kg	4000
Angle of rotation of the hoist in the horizontal plane, within the range of	±45/±18 degrees Celsius
Variation of the outreach of the extension section, within the limits, mm	0-860
Speed of movement of the complex on highways, km/hour, not more than	80
Speed of movement on rails km/hour, not more	25
Minimum curve radius, m	150
Overall dimensions of the complex, mm:	
- length	11020
- width	2500
- height from the rail head	3920
Weight, kg, not more	32000