

Crawler Grout Pump

OVERVIEW

Dual-cylinder, automatic variable displacement grouting pump with an integrated compact design.

APPLICATIONS

Suitable for single-component and dual-component grouting operations, including long-distance backfilling, water sealing, leakage control, and fire prevention/fire extinguishment projects.

KEY FEATURES

- Fully hydraulic control system requiring only electrical power supply during operation, offering simplified maintenance and a low failure rate.
- Equipped with a proprietary hydraulic pilot remote-control system, allowing operators to maintain a safe distance from the crawler during operation, improving visibility and safety.
- Excellent maneuverability, enabling remote forward/reverse travel, zero-radius steering, and high/low speed switching.
- The hydraulic system adopts LUDV (Load-Independent Flow Distribution) technology, effectively preventing track deviation caused by uneven load distribution.
- Spring-applied, hydraulic-release wet braking system provides outstanding braking performance and operational safety.
- The grouting unit utilises a full-hydraulic reversing mechanism, immersed piston rods, and dual metallic grout cylinders, delivering:
 - Low reversing noise
 - Extended service life
 - Stepless adjustment of grouting output
- Features a newly designed inlet and discharge valve arrangement for rapid disassembly and maintenance.
- Multiple model configurations are available to accommodate a wide range of operating conditions and project requirements.

TECHNICAL PARAMETERS

Item		Unit	2ZBYSB(110.0~20.0)/ (1~9)-160L	2ZBYSB(53.0~14.0)/ (1~19)-160L	2ZBYSB(47.9~15.8)/ (1~15)-110L	2ZBYSB(28.1~9.5)/ (1~25)-110L
Grouting Flow Rate		m³/h	0-114	0-56	0-50	0-30
Grouting Pressure		MPa	0-12	0-21	0-18	0-28
Weight		kg	4500		4000	
Dimensions		mm	3500x1750x2050 (±50)		3500x1750x2050 (±50)	
Travel System	Travel Speed	m/min	12		12	
	Gradeability	°	20		20	
	Ground Clearance	mm	170		170	
	Minimum Turning Radius	mm	1800		1800	
	Hydraulic Power Unit (Grouting)	kW	160		110	
Hydraulic Power Unit (Travel)		kW	7.5		7.5	



Item		Unit	2ZBYSB(41.8~12.9)/ (1~15)-90L	2ZBYSB(24.5~7.7)/ (1~25)-90L	2ZBYSB(28.8~8.2)/ (1~16)-75L	2ZBYSB(23.0~3.5)/ (1~28)-75L
Grouting Flow Rate		m³/h	0-45	0-26	0-30	0-25
Grouting Pressure		MPa	0-18	0-28	0-18	0-30
Weight		kg	3700		3500	
Dimensions		mm	3200x1500x2000 (±50)		3100x1400x2000 (±50)	
Travel System	Travel Speed	m/min	12		12	
	Gradeability	°	20		20	
	Ground Clearance	mm	170		170	
	Minimum Turning Radius	mm	1800		1800	
Hydraulic Power Unit (Grouting)		kW	90		75	
Hydraulic Power Unit (Travel)		kW	7.5		7.5	

Item		Unit	2ZBYSB(18.0~5.4)/ (5~15)-55L	2ZBYSB(18.5~3.6)/ (1~24)-55L	2ZBYSB(13.5~3.2)/ (1~18)-37L	2ZBYSB(12.2~1.2)/ (1~26)-37L
Grouting Flow Rate		m³/h	0-24	0-18.8	0-14.5	0-13
Grouting Pressure		MPa	0-18	0-28	0-20	0-30
Weight		kg	3200		2300	
Dimensions		mm	3000x1400x2000 (±50)		2400x1140x1725 (±50)	
Travel System	Travel Speed	m/min	12		12	
	Gradeability	°	20		20	
	Ground Clearance	mm	170		170	
	Minimum Turning Radius	mm	1800		1800	
Hydraulic Power Unit (Grouting)		kW	55		37	
Hydraulic Power Unit (Travel)		kW	7.5		7.5	

Item		Unit	2ZBYSB(8.5~2.2)/(1~13)-22L	2ZBYSB(6.2~1.6)/(1~26)-22L
Grouting Flow Rate		m³/h	0-9	0-7
Grouting Pressure		MPa	0-15	0-32
Weight		kg	1900	
Dimensions		mm	2100x1140x1725 (±50)	
Travel System	Travel Speed	m/min	12	
	Gradeability	°	20	
	Ground Clearance	mm	170	
	Minimum Turning Radius	mm	1400	
Rated Power		kW	22	