

LWLX-120/55L & LWLX-150/55L Crawler Mucking Loader



Adaptive tunnel slope $\leq 32^{\circ}$



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General

Hydraulic System



- The main parts are top brands from home and abroad, the whole design is reasonable after several generations of updating
- Overload feedback system is optional
- Air cooling radiator with great power to ensure the steady of system oil temperature
- Precision filter to prevent pollution of the hydraulic system, to protect the oil pumps and other hydraulic components

Working Arm

- The structure parts of the big and small arm can be adjustable to adapt different working section
- The portal frame is connected with the conveying trough, to extend the working range and the height of arm to remove danger
- The bucket is made of imported wear resistant steel, improving the durability of use
- The bush is made by NSK(Japan), reducing the wearing of pin rolls and bushes , better for maintenance



Chassis

- The traveling motor is designed in the front to reduce the load to tensioning device from the guide wheel when equipment climbing slope
- The crawler is consist of high single teeth with strong traction, increasing the friction against the ground to ensure the climbing ability and walking stability of the equipment
- According to different tunnel conditions, the inner width of crawler can be widened and the ground clearance can be heightened
- The body frame is box frame structure with good rigidity and tensional strength. It is divided into two parts and connected with high strength bolts, which solves the problem of transportation in tunnel because of large volume



Optional

Diesel Engine

Items	LWLX-120/55L	LWLX-150/55L
Dimensions during transport	9600×2300×2377mm	9820×2460×2430mm
Weight	14600kg	16300kg
Traveling speed	1.8km/h	1.8km/h
Diesel	Model	Cummins/QSB3.9 C-125
	Power	92kw/2200 r/min

- The non-coal mine can use dual power mucking loader , the diesel engine is professional for travelling. It can increase the travelling speed

Note: The other technical datas same as standard machine

Three- arms

- The three-arms structure increases the elevation angle of big and small arm by the middle arm cylinder , so the digging height is higher than standard machine , it can do scaling at the top of tunnel instead of labor

Items	LWLX-120/55L & LWLX-150/55L
Digging Width	7200mm
Digging Distance(from dozer blade)	3100mm
Digging Height	6100mm
Digging depth below ground level	1340mm



Breaker Hammer (With Fast Coupler)

- The bucket and breaker hammer can switch by the fast coupler in 3 minutes
- The breaker hammer can offer crushing operation for the bottom and side of tunnel ,also can crush the big size rock after blasting without secondary blasting

Items	Breaking Hammer
Weight	190kg
Working pressure	13 MPa
Attack speed	600-1100BPM
Dia.of rod	53mm
Dimensions(Length/Width)	1230mm/220mm



Cable reel

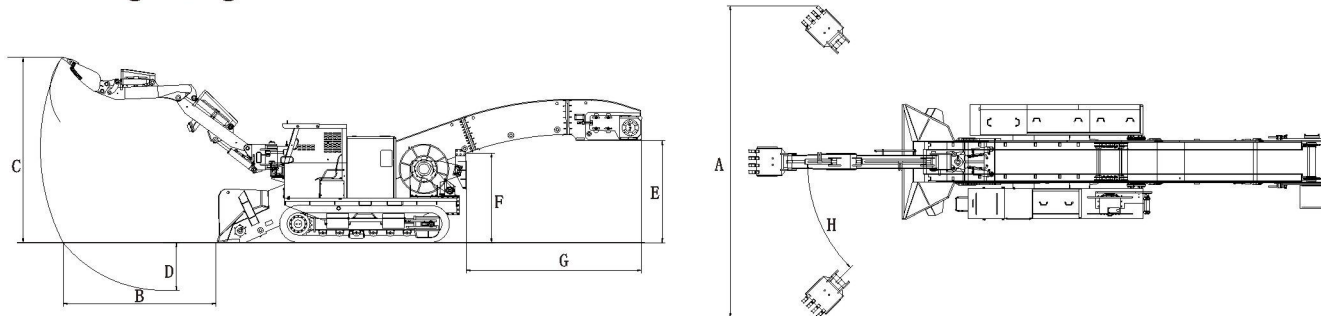


- The cable reel can automatically retract the cable when the equipment is moving forward or backward, save labor and material resources, improve safety, higher automation degree and higher working efficiency

Others

- Centralized Lubrication System
- Rexroth A11V Hydraulic System
- Safety Image System
- FOPS approved cabin with air conditioning unit

Working Range



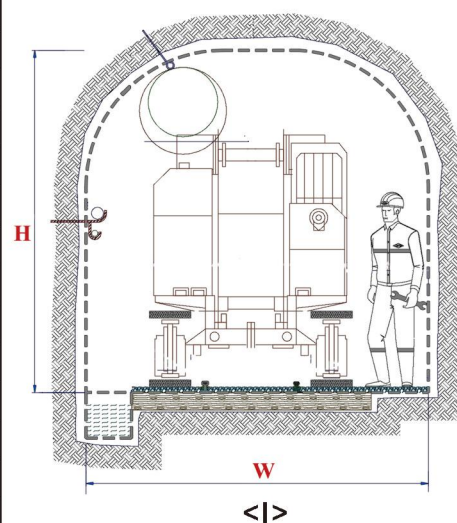
Item	Unit	LWLX-120/55L	LWLX-150/55L
A Digging width	mm	5900	6870
B Digging distance (from dozer blade)	mm	2470	2957
C Digging height	mm	3330	3563
D Digging depth below ground level	mm	800	915
E Dumping height	mm	2100(variable)	2200(variable)
F Min. dumping height	mm	1760(variable)	1750(variable)
G Dumping distance	mm	3170(variable)	3170(variable)
H Max. boom angle	(°)	± 55	± 55
I Adaptive tunnel dimension (Width ×Height)	m	≥ 3.0×3.0	≥ 3.2×3.2

Main Overall Dimension

Item	Unit	LWLX-120/55L	LWLX-150/55L
Crawler contacting ground length	mm	2560	2560
Crawler inner width	mm	1000(variable)	1360(variable)
Crawler plate width	mm	500	500
Ground clearance	mm	350	350
Max. rock conveying size	mm	620×720	780×720
Dimensions	L×W×H (during transport)	9200×2100×2350	9500×2360×2450
	L×W×H (during working)	11080×2100×2813	11700×2360×2870

Functional Parameters

Item	Unit	LWLX-120/55L	LWLX-150/55L
Loading ability	m³/h	120	150
General power	kw	55	55
Weight	kg	13600	15300
Traveling speed	km/h	0.9/1.8	0.9/1.8
Scraper chain		Double chains single motors single chain single motors	
Adaptive tunnel slope	(°)	≤32	≤32
Min. turning radius	m	≥6	≥7
Ground pressure	Mpa	≤0.1	≤0.1
Steering		Hydraulic	Hydraulic
Speed of scarper chain	m/min	34	34
Volume of hydraulic tank	L	260	260
Max. Working hydraulic pressure	Mpa	32	32
Voltage	V	380-1140	
Frequency	Hz	50/60	



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