

LWL-180/75L LWL-180A ZWY-180/75L



HAGGLOADER CRAWLER MUCKING MACHINE

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1. Summarize

LWL-180A crawler haggloader which has double chain scraper reproduced high mechanism, is main used in oblique excavating. This efficient excavation loading equipment is the new item which can meet the customers' require. It is main used in the mine, tunneling and underground excavating which have gas and coal dust in it, and the section of the tunneling must be above $3.5 \times 3.5 \text{ m}^2$, rock hardness $f \leq 12$, lumpiness $\leq 500 \text{ mm}$.

The operating mechanism has following parts: bucket, digging arm, boom. It can clean up the loosen rock on the roof to give the staffs a safety environment, and it also can clean up the rocks on the ground that greatly reduces the labor intensity of workers.

Scraper transport mechanism, it can transport the rocks to the end of the machine and dump in to the truck.

Crawler walking mechanism is using hydraulic drive system, which is more compact and flexible, it can work in the wet and slip tunnel.

The hydraulic transmission system makes the operating mechanism and scraper transport mechanism more efficient and flexible. It has excellent work performance

Easy operation, easy maintenance and good work performance make the operator more safe and comfortable.

2. Main technical parameters

Item	LWL-180A HAGGLOADER	
Name	Unit	value
Production capacity	m ³	180
Min turning radius	m	≥7
Excavating height	mm	≥3500
Excavating depth	mm	≥700
Excavating distance	mm	≥2300
Loading width	mm	≥5900
Grade ability	°	≤30
Ground clearance	mm	≥350
Contact pressure	MPa	≤0.06
Motor/Engine power	Kw	75/63
Fuel tank capacity	L	400
Total weight	kg	16000±200
Speed electric/diesel	Km/h	2~5
Unloading height	mm	2100~2700
Rated working pressure	MPa	20
Size LXWXH (transport)	mm	9995×2100×2350
Size LXWXH (working)	mm	12125×5900×2700

➤ **MAIN COMPONENTS:**

Engine:

Deutz F6L912W 63KW/2300RPM with turbo-charger for 4500m high altitude.



- Air-cooled 4 stroke 6- cylinder in-line engines.
- DEUTZ-two-stage combustion.
- PTOs via gear, flywheel and v-belt pulley.
- Extremely compact design.
- High torque at low speed.
- Modular system with single cylinder arrangement and high degree of parts commonality.
- Customized component system with many different peripheral parts.

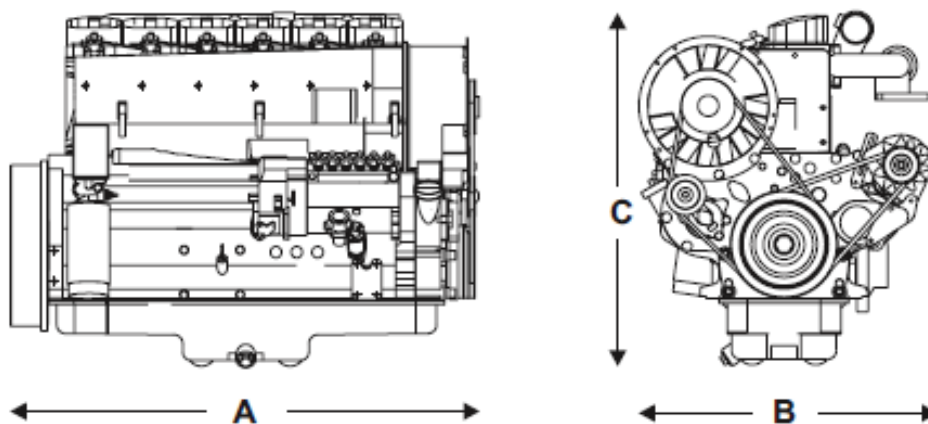
Your benefits:

- Fast response to load changes.
- Minimal environmental impact. All engines are certificated acc. to MSHA.
- Low operating costs thanks to lower fuel consumption, low specific ventilation requirements and long maintenance intervals with reduced maintenance requirements.
- Compact design saves installation space and thus construction costs.
- Easy-to-install unit (engine with integrated cooling system).

► Technical data

Engine type		F3L912W	F4L912W	F5L912W	F6L912W
Number of cylinder		3	4	5	6
Bore/stroke	mm	102/125	102/125	102/125	102/125
Displacement	l	3.064	4.086	5.107	6.128
Compression ratio		22	22	22	22
Max. rated speed	rpm	2800	2800	2800	2800
Mean piston speed	m/s	11.6	11.6	11.6	11.6
Power ratings for underground mining engines					
Power ratings ¹⁾	hp	47	62	76	93
at speed ²⁾	rpm	2500	2500	2500	2500
Mean effective pressure	bar	5.48	5.40	5.36	5.40
Max. torque	Nm	149	198	249	298
at speed	rpm	1550	1550	1550	1550
Minimum idle speed	rpm	650	650	700	650
Spec. fuel consumption ³⁾	g/kWh	230	230	230	230
Weight to DIN 70020, Part 7A ⁴⁾	kg	277	300	380	410

► Dimensions



Engine		Length	Width	Height
F3L912W	mm	697	679	796
F4L912W	mm	807	679	796
F5L912W	mm	954	679	833
F6L912W	mm	1084	679	806

QUICK COUPLING SYSTEM

FOR SCALING HOOK, SHOVEL AND HAMMER



SCALING HOOK:



www

co.uk

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Hammer:

MODEL: T50



Brand: General breakers/Korea

Products Application:

Mining—Mining, Second-time breaking

Metallurgy—Clearing slag, demolition of furnace and foundation

Road—Repairing, breaking, foundation work

Railway—Tunneling, demolition of bridge

Construction—Demolition of building and reinforced concrete

Ship repairing—Clearing clam and rust from the hull

Others—Breaking frozen mud

Standard Accessories:

<i>Name</i>	<i>Drill Rod</i>	<i>Soft Tubing</i>	<i>Tool Kit</i>	<i>Tools</i>	<i>Nitrogen Table</i>	<i>Nitrogen Cylinder</i>	<i>Work Cloth</i>
<i>Quality</i>	<i>2</i>	<i>2</i>	<i>1</i>	<i>some</i>	<i>1</i>	<i>1</i>	<i>1</i>

Detail Specifications:

<i>Model</i>	<i>T50</i>
<i>Overall Length (mm)</i>	<i>942</i>
<i>Operating Weight (kg)</i>	<i>252</i>
<i>Operating Pressure (kg/cm².F)</i>	<i>95~130</i>
<i>Optimum Oil Flow (L/min)</i>	<i>35~60</i>
<i>Impact Rate (bpm)</i>	<i>500~950</i>
<i>Rod Diameter (mm)</i>	<i>70</i>
<i>Applicable Carrier (ton)</i>	<i>4~8</i>
<i>Feature</i>	<i>small volume, light weight, convenient operation</i>

PARTS WITH DELIVERY FREE OF CHARGE

S/N	Name	Item	Unit	Qty	Remark
1	Open Wrench	S41/46 S32/36 S22/24 S19/17 S13/16 S8/10 S12/14 S27/30	PC	Each 1	Spare Parts
2	Allen wrench	S4 S5 S6 S8 S10 S12 S14 S17 S19	PC	Each 1	Spare Parts
3	Grease gun		PC	1	Spare Parts
4	Pressure Table and hose		Set	1	Spare Parts
5	O Type sealing ring	Φ11 Φ20 Φ30 Φ40 Φ50	PC	Each 10	Spare Parts
6	Gripper tooth		PC	3	Spare Parts
7	Tooth pin		PC	3	Spare Parts
8	LED Lamp	non-explosion-proof	PC	1	Spare Parts
9	High-pressure Tubing	Big、 Small、 dig、 Rotate、 Walk	PC	Each 1	Spare Parts
10	Scraper chain group		Set	1	Spare Parts
11	Driven wheel		PC	1	Spare Parts
12	Chain pin		PC	4	Spare Parts

PHOTO GALLERY



IMPORTANT NOTICE:

PRODUCT MAY BE MODIFIED ACCORDING TO DETAILED APPLICATION!