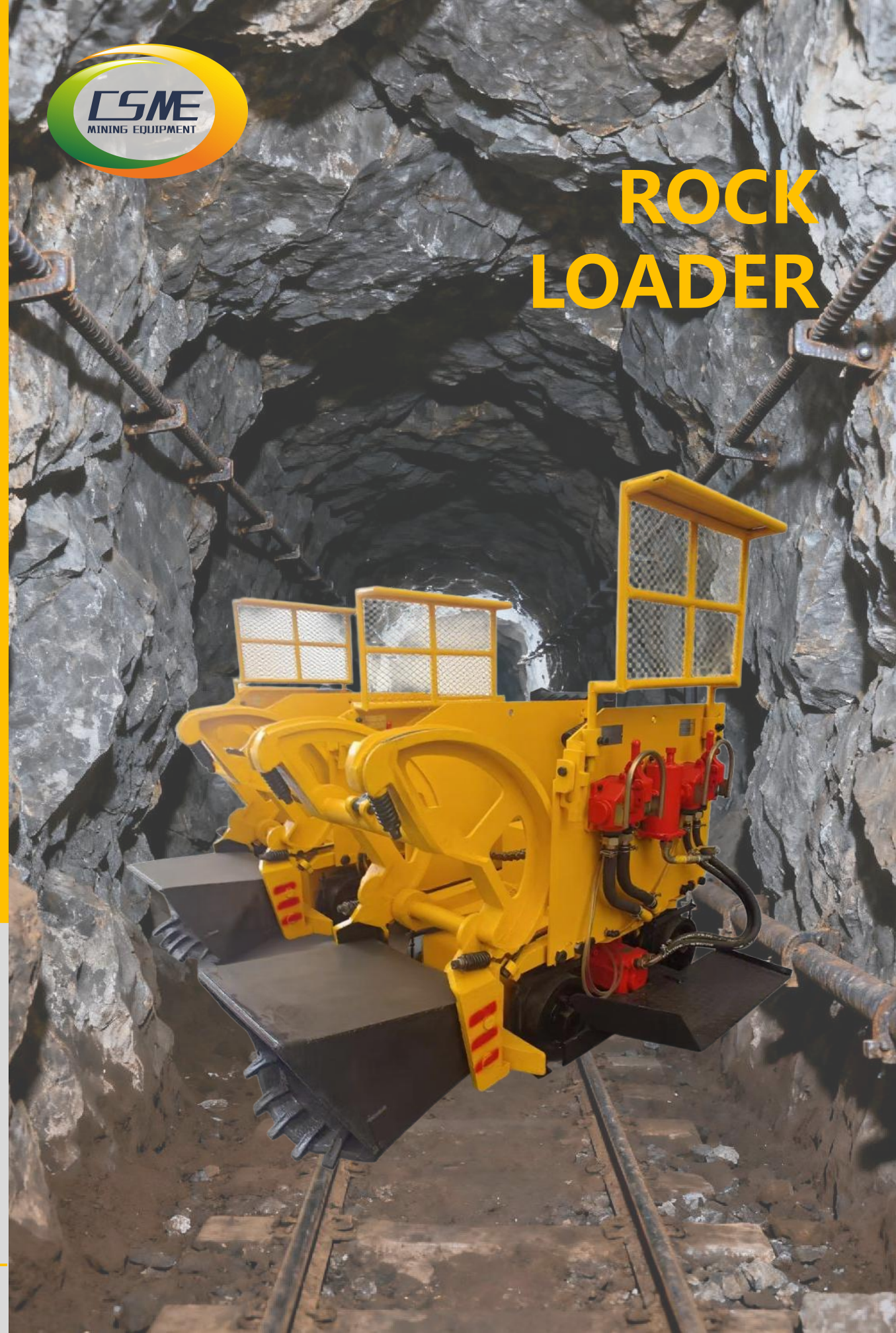




ROCK LOADER



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Changsha Mining Equipment Co., Ltd.

Your Trusted Partner in Global Mining Operations

For over a decade, Changsha Mining Equipment Co., Ltd. (CSME) has been a cornerstone of the mining industry, dedicated to engineering robust and efficient equipment that drives productivity and safety in mining operations worldwide.

Comprehensive Product Portfolio

CSME delivers integrated solutions across the entire mining chain, engineered for durability and peak performance in the most demanding conditions.

Haulage & Transportation: Underground dump trucks, scooptrams, and conveyor systems built for maximum payload and reliability.

Hoisting & Lifting: Mine hoists, winches, and elevators engineered for the safe and efficient vertical movement of personnel and materials.

Mineral Processing: Crushers, ball mills, and separators designed to optimize mineral recovery and processing efficiency.

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The CSME Assurance: Our Pillars of Strength

Our commitment is upheld by three core pillars that guarantee value from inquiry to operation:

Expert International Team: Navigating logistics and trade complexities to ensure a seamless procurement experience.

Rigorous Quality Control: Quality is our foundation. We enforce stringent inspections at every stage, from sourcing to assembly, because your trust depends on the reliability of our equipment.

Dedicated After-Sales Support: We provide end-to-end support, including installation supervision, operational training, and readily available spare parts to maximize your operational uptime.

Our Pledge

We partner with our clients to deliver the most operationally suitable and economically competitive solutions. At CSME, we survive on quality, and your trust is our motivation. We pledge to continue providing superior equipment and total mining solutions that empower your business for the future.

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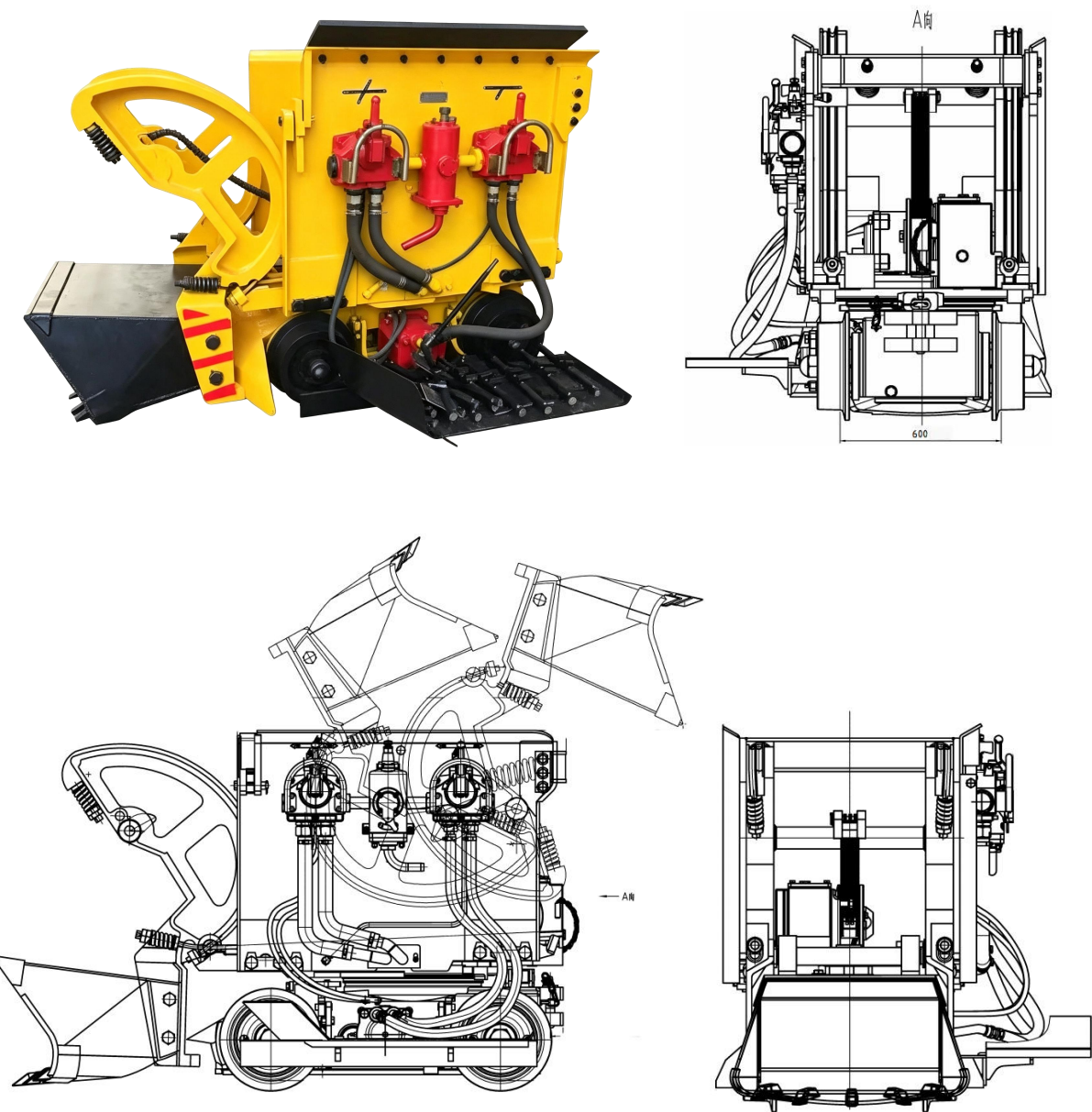
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ZQ-13 Steel Wheel Pneumatic Rock loader

Small Wonder. Big Performer.

The ZQ-13 is a compact, agile rock loader engineered specifically for narrow-vein mining and small-section tunnel development. Designed to excel where space is at a premium, this machine delivers impressive loading power without the bulk—making it the ideal partner for tight drifts, confined stopes, and restricted underground workings.

Every element of the ZQ-13 is optimized for efficiency in constricted environments. It maneuvers with ease through narrow passages, loads swiftly and precisely, and keeps your operation advancing steadily—proving that great things truly come in small packages.



ZQ-13 Rock Loader Technical Specification

Item	Model	ZQ-13
1	Bucket capacity	0.13±0.013 m³
2	Technical productivity	≥20 m³/h
3	Travel motor power	12 kW
4	Bucket hoist motor	15 kW
5	Working air pressure	5×10 ⁵ –6.68×10 ⁵ Pa
6	Maximum air consumption	8–12 m³/min
7	Travel speed	≈1.14 m/s
8	Loading width	≥1600 mm
9	Loading height	≤1800 mm
10	Dumping height	≥1250 mm
11	Dumping reach	≥180 mm
12	Gauge	Standard: 600 mm (please specify if 750, 762, or 900 mm is required when ordering)
13	Overall dimensions (L×W×H)	Working condition: ≤2140×1190×1800 mm
14		Transport condition: ≤2140×870×1220 mm
15	Machine weight	2610±130 kg

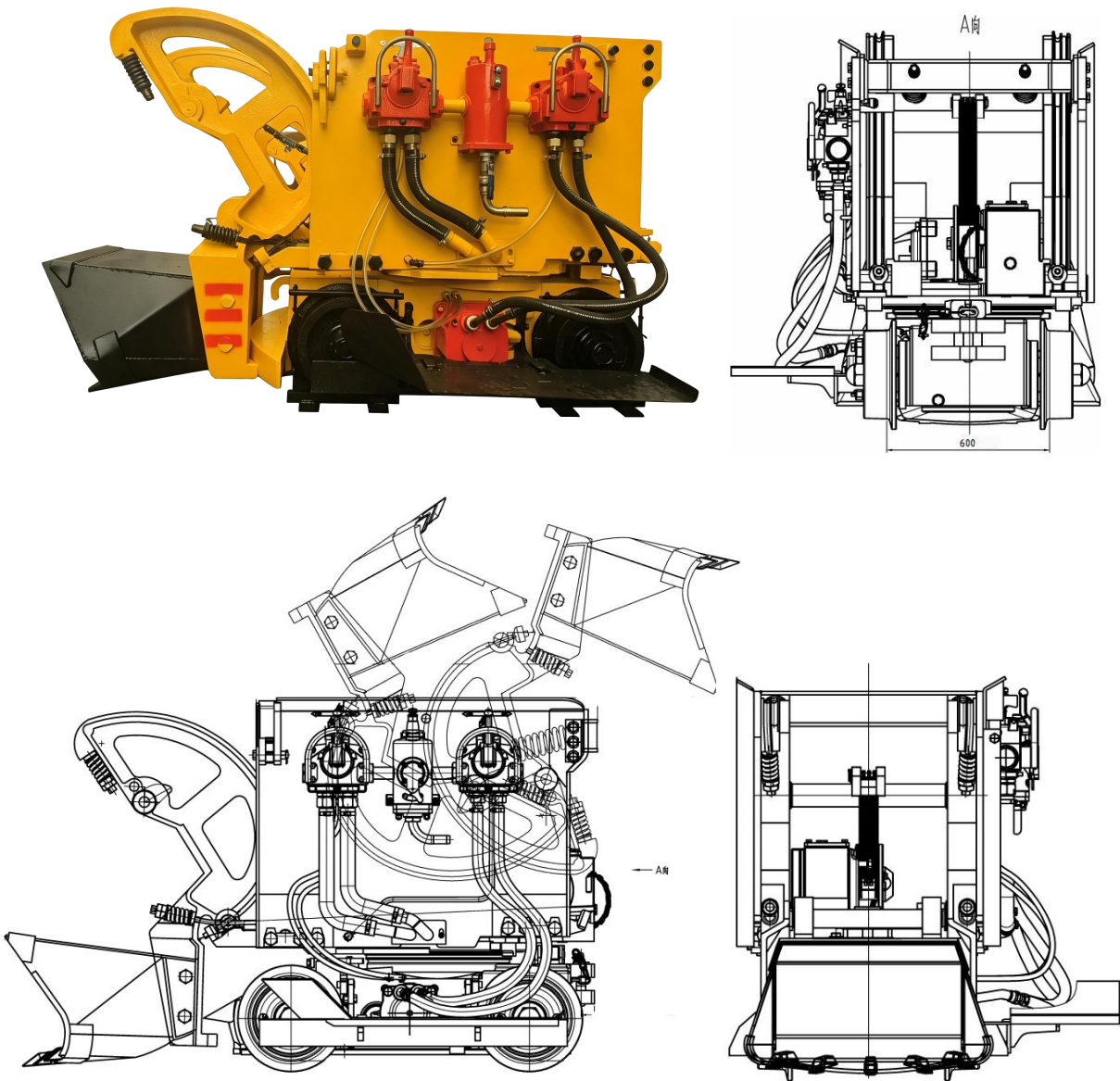
- Perfectly Sized for Tight Spaces** – With a slim profile and minimal working width, the ZQ-13 navigates narrow drifts and low seams effortlessly, bringing powerful mucking capability to areas where larger machines simply cannot go.
- Surprising Productivity** – Despite its compact dimensions, this loader delivers brisk cycle times and consistent material handling, ensuring steady advance rates even in the most restricted headings.
- Built for Underground Conditions** – Rugged steel construction and a durable pneumatic system withstand abrasive muck and humid environments, providing reliable service with minimal maintenance in demanding day-to-day operations.

ZQ-15 Steel Wheel Pneumatic Rock loader

More Muscle. Same Narrow-Fit Agility.

The ZQ-15 takes the proven narrow-drift design of its predecessor and steps up the performance—offering increased bucket capacity and greater reach while maintaining the compact footprint required for confined underground work. This rock loader is built for operations that need higher output without sacrificing the ability to work in tight, restricted spaces.

Engineered for narrow-vein mining and small-heading development, the ZQ-15 strikes the perfect balance between power and maneuverability. It moves more material per cycle, reaches further into the muck pile, and still threads through narrow passages with remarkable ease—keeping your project moving at full speed.



ZQ-15 Rock Loader Technical Specification

Item	Model	ZQ-15
1	Bucket capacity	0.15±0.015 m³
2	Technical productivity	≥25 m³/h
3	Travel motor power	12 kW
4	Bucket hoist motor	15 kW
5	Working air pressure	5×10 ⁵ –6.68×10 ⁵ Pa
6	Maximum air consumption	8–12 m³/min
7	Travel speed	≈1.14 m/s
8	Loading width	≥1800 mm
9	Loading height	≤1940 mm
10	Dumping height	≥1327 mm
11	Dumping reach	≥400 mm
12	Gauge	Standard: 600 mm (please specify if 750, 762, or 900 mm is required when ordering)
13	Overall dimensions (L×W×H)	Working condition: ≤2240×1190×1940 mm
14		Transport condition: ≤2240×910×1270 mm
15	Machine weight	2630±135 kg

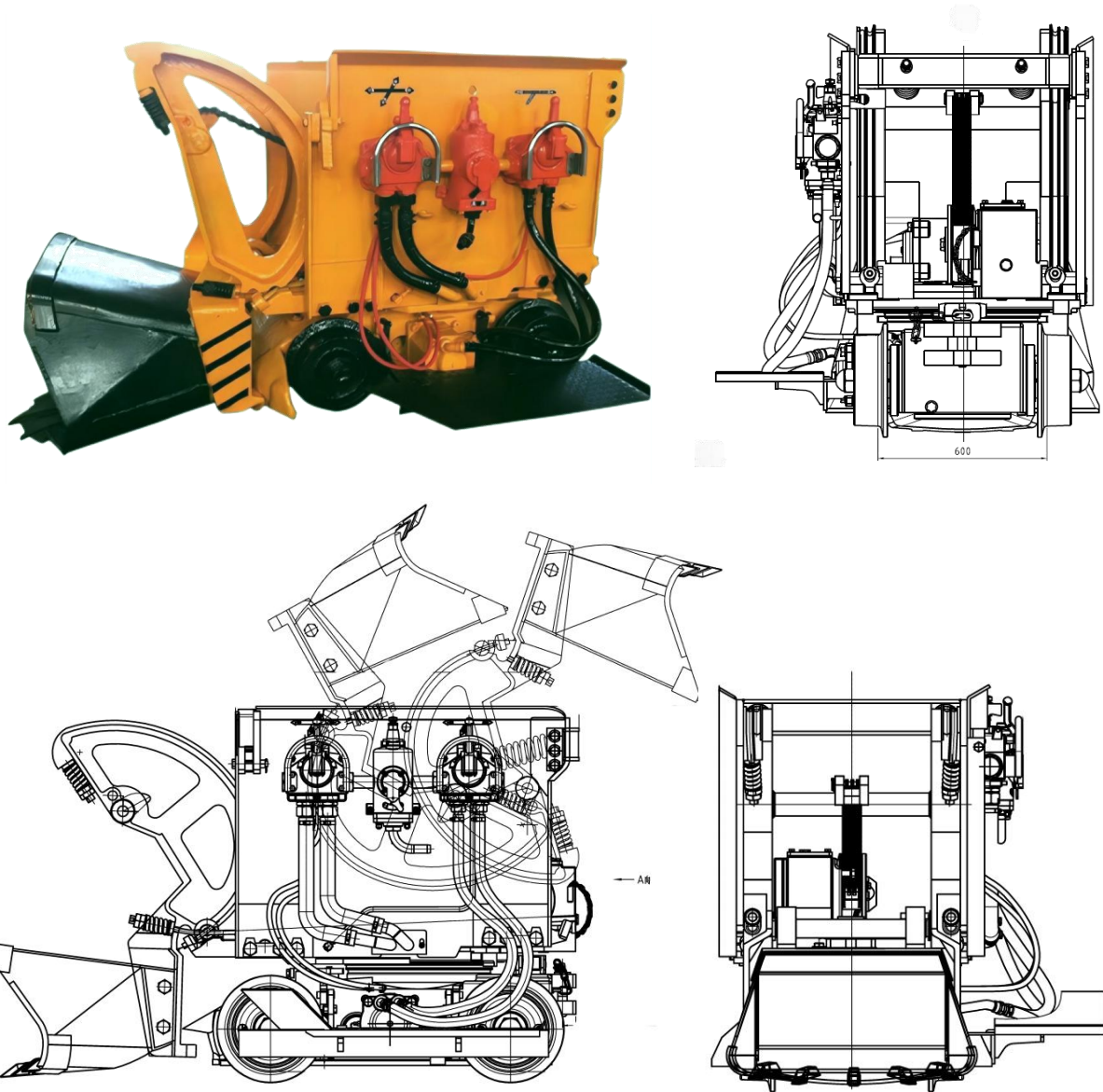
- Stepped-Up Capacity** – A larger bucket and responsive pneumatic drive deliver noticeably higher productivity than smaller models, yet the ZQ-15 remains compact enough for seamless operation in narrow drifts and confined stopes.
- Enhanced Reach, Compact Profile** – Extended loading width and greater dumping clearance improve compatibility with haulage equipment, while the machine's slim design ensures easy access to tight working faces and quick relocation between headings.
- Dependable & Low-Maintenance** – Heavy-gauge steel construction, proven air motors, and easily serviceable components ensure the ZQ-15 delivers consistent, reliable performance through the toughest underground shifts with minimal downtime.

ZQ-17 Steel Wheel Pneumatic Rock loader

Bigger Output. Still Narrow-Fit.

The ZQ-17 is a high-performance rock loader built for narrow-vein mining and small-section tunneling operations that demand extra capacity without compromising on maneuverability. Offering the largest bucket in its compact class, this machine delivers a significant productivity boost while maintaining the slim profile required to navigate tight drifts and restricted headings.

Designed for operations where space is limited but production targets are ambitious, the ZQ-17 combines powerful loading capability with exceptional agility. It moves more material per cycle, reaches further into the muck pile, and still slips through narrow passages with ease—ensuring that even the most confined workings yield maximum output.



ZQ-17 Rock Loader Technical Specification

Item	Model	ZQ-17
1	Bucket capacity	0.17±0.017 m³
2	Technical productivity	≥30 m³/h
3	Travel motor power	12 kW
4	Bucket hoist motor	15 kW
5	Working air pressure	5×10 ⁵ –6.68×10 ⁵ Pa
6	Maximum air consumption	8–12 m³/min
7	Travel speed	≈1.14 m/s
8	Loading width	≥1800 mm
9	Loading height	≤1975 mm
10	Dumping height	≥1270 mm
11	Dumping reach	≥400 mm
12	Gauge	Standard: 600 mm (please specify if 750, 762, or 900 mm is required when ordering)
13	Overall dimensions (L×W×H)	Working condition: ≤2240×1350×1975 mm
14		Transport condition: ≤2240×990×1280 mm
15	Machine weight	2800±140 kg

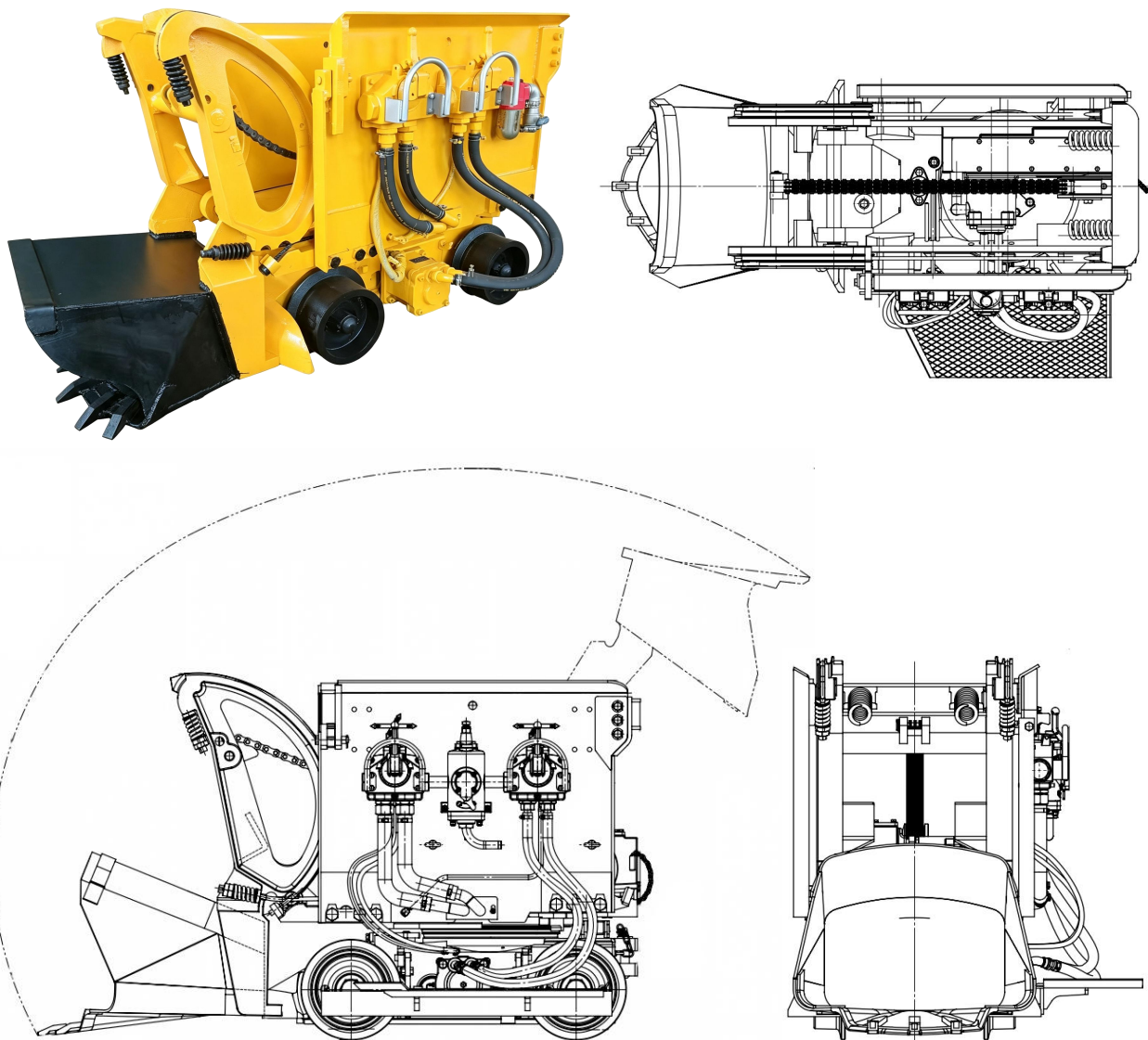
- High Capacity for Narrow Drifts** – A generously sized bucket, paired with a responsive pneumatic drive system, delivers superior material handling per cycle—substantially increasing productivity without demanding wider excavations.
- Wider Working Envelope** – Extended loading width and optimized dumping parameters improve compatibility with various haulage options, while the machine retains a compact profile for effortless operation in tight underground spaces.
- Built for Demanding Conditions** – Constructed with heavy-gauge steel and rugged track components, the ZQ-17 withstands continuous duty in abrasive, humid environments, delivering dependable performance with low maintenance requirements.

ZQ-20 Steel Wheel Pneumatic Rock loader

Compact Stature. Giant Output.

The ZQ-20 is a high-performance rock loader purpose-built for narrow-vein mining and restricted-heading development. Despite its compact dimensions, this machine packs a serious punch—delivering remarkable bucket capacity and swift cycle times that maximize productivity in the tightest underground spaces.

Designed for operations where every inch counts, the ZQ-20 combines powerful mucking capability with exceptional maneuverability. It navigates confined drifts with ease while moving substantial volumes of material, ensuring that even the most constricted workings yield efficient, profitable advance.



ZQ-20 Rock Loader Technical Specification

Item	Model	ZQ-20
1	Bucket capacity	0.20±0.020 m³
2	Technical productivity	≥48 m³/h
3	Travel motor power	12 kW
4	Bucket hoist motor	15 kW
5	Working air pressure	5×10 ⁵ –6.68×10 ⁵ Pa
6	Maximum air consumption	8–12 m³/min
7	Travel speed	≈1.14 m/s
8	Loading width	≥1800 mm
9	Loading height	≤1960 mm
10	Dumping height	≥1307 mm
11	Dumping reach	≥406 mm
12	Gauge	Standard: 600 mm (please specify if 750, 762, or 900 mm is required when ordering)
13	Overall dimensions (L×W×H)	Working condition: ≤2240×1190×1960 mm
14		Transport condition: ≤2240×910×1270 mm
15	Machine weight	2800±140 kg

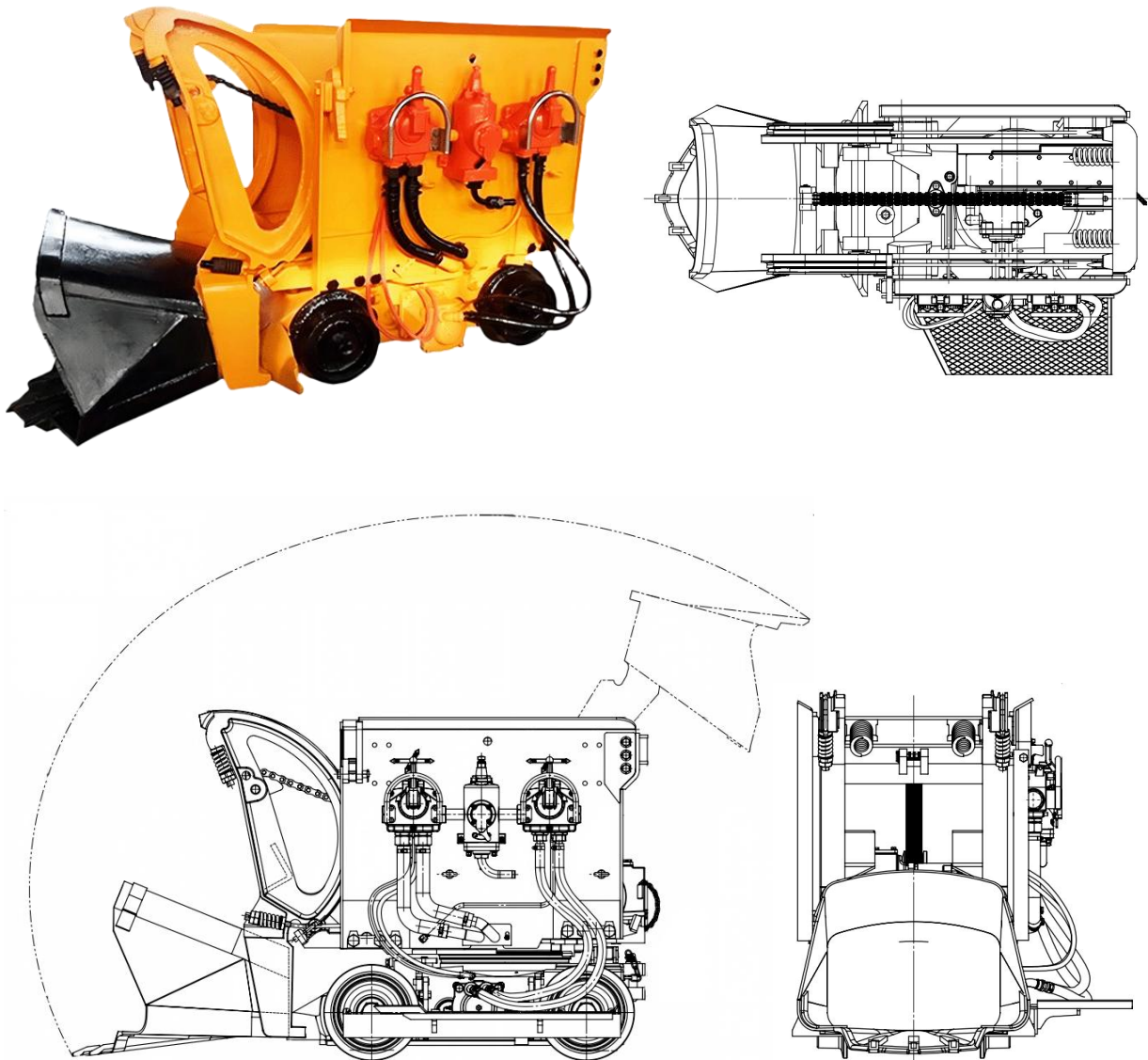
- Big Capacity in a Small Package** – A generously sized bucket, paired with a responsive pneumatic drive, moves more material per cycle—significantly boosting productivity without requiring wider drifts or larger headings.
- Narrow-Working Specialist** – Engineered specifically for restricted underground environments, the ZQ-20 maintains a slim profile and low transport height, enabling easy access to tight working faces and swift relocation between stopes.
- Reliable & Low-Maintenance** – Built with heavy-gauge steel and proven air motor technology, this machine delivers dependable performance shift after shift, with straightforward servicing that keeps downtime to a minimum.

ZQ-26 Steel Wheel Pneumatic Rock loader

Compact Stature. Giant Output.

The ZQ-20 is a high-performance rock loader purpose-built for narrow-vein mining and restricted-heading development. Despite its compact dimensions, this machine packs a serious punch—delivering remarkable bucket capacity and swift cycle times that maximize productivity in the tightest underground spaces.

Designed for operations where every inch counts, the ZQ-20 combines powerful mucking capability with exceptional maneuverability. It navigates confined drifts with ease while moving substantial volumes of material, ensuring that even the most constricted workings yield efficient, profitable advance.



ZQ-26 Rock Loader Technical Specification

Item	Model	ZQ-26
1	Bucket capacity	0.26±0.026 m³
2	Technical productivity	≥60 m³/h
3	Travel motor power	12 kW
4	Bucket hoist motor	15 kW
5	Working air pressure	5×10 ⁵ –6.68×10 ⁵ Pa
6	Maximum air consumption	8–12 m³/min
7	Travel speed	≈1.14 m/s
8	Loading width	≥2600 mm
9	Loading height	≤2240 mm
10	Dumping height	≥1250 mm
11	Dumping reach	≥400 mm
12	Gauge	Standard: 600 mm (please specify if 750, 762, or 900 mm is required when ordering)
13	Overall dimensions (L×W×H)	Working condition: ≤2400×1380×2240 mm
14		Transport condition: ≤2400×1090×1500 mm
15	Machine weight	2800±140 kg

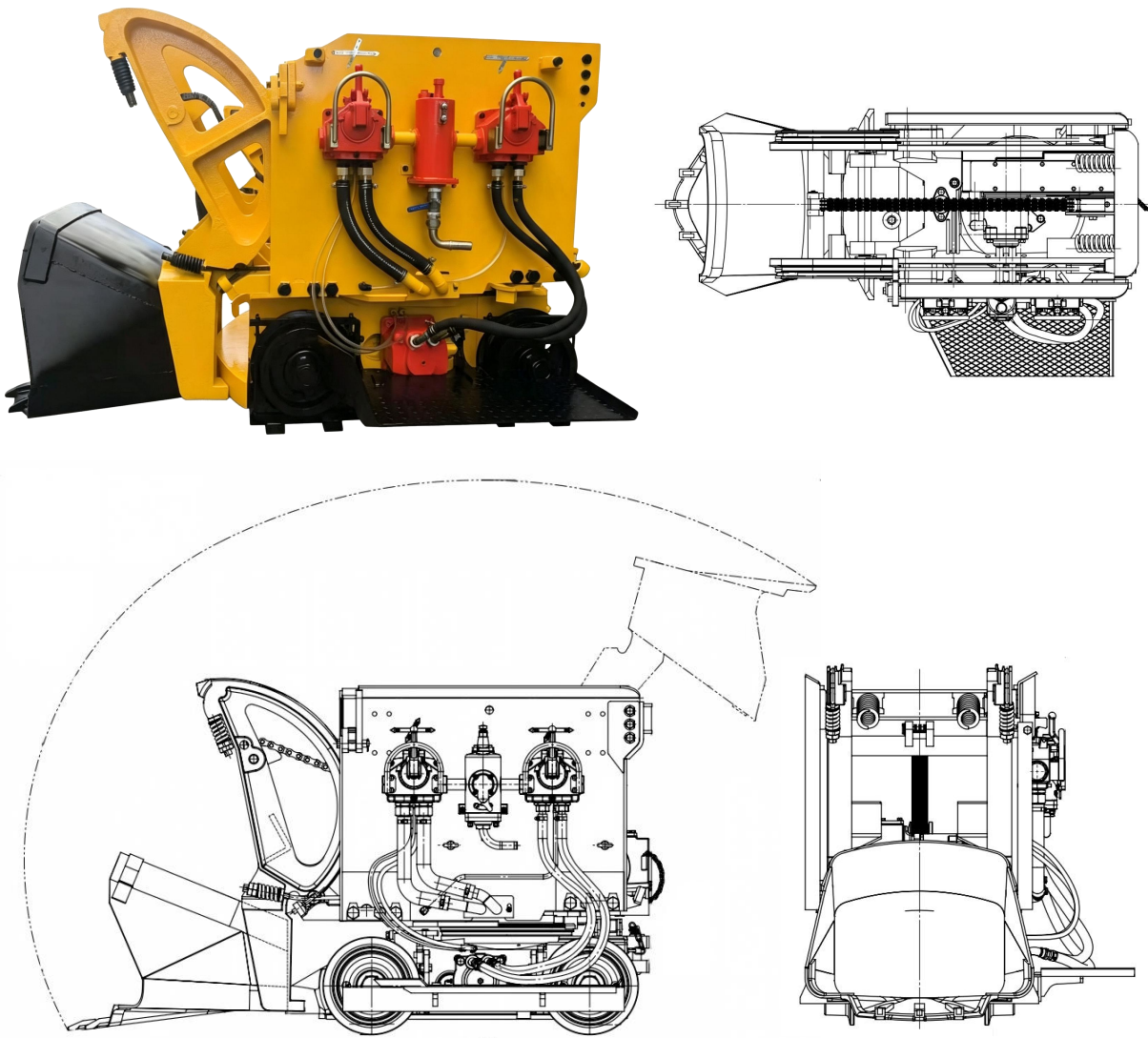
- Extra-Large Capacity** – An oversized bucket, paired with a high-efficiency pneumatic system, delivers outstanding material handling per cycle—dramatically boosting productivity without requiring wider excavations or larger access ways.
- Extended Reach, Tight Fit** – Enhanced loading width and optimized dumping geometry improve compatibility with various haulage options, while the machine retains a remarkably compact profile for effortless operation in confined drifts and stopes.
- Built for Continuous Production** – Heavy-gauge steel construction, durable track components, and proven air motors ensure the ZQ-26 withstands the rigors of daily operation in abrasive underground conditions, delivering reliable performance with minimal downtime.

ZQ-30 Steel Wheel Pneumatic Rock loader

The Ultimate Narrow-Drift Heavyweight.

The ZQ-30 is the largest and most powerful rock loader in the ZQ series—engineered for narrow-vein mining and small-section tunneling operations that demand absolute maximum productivity without expanding the working envelope. This machine delivers the series' highest bucket capacity and fastest throughput, all while maintaining the compact agility required for confined underground environments.

Designed for the most demanding production targets in restricted headings, the ZQ-30 pushes the limits of what's possible in narrow-drift mucking. It moves substantially more material per shift, integrates seamlessly with high-capacity haulage, and still navigates tight passages with remarkable ease—proving that peak output doesn't require wide tunnels.



ZQ-30 Rock Loader Technical Specification

Item	Model	ZQ-30
1	Bucket capacity	0.3±0.030 m³
2	Technical productivity	≥72 m³/h
3	Travel motor power	12 kW
4	Bucket hoist motor	15 kW
5	Working air pressure	5×10 ⁵ ~6.68×10 ⁵ Pa
6	Maximum air consumption	8~12 m³/min
7	Travel speed	≈1.14 m/s
8	Loading width	≥2500mm
9	Loading height	≤2250mm
10	Dumping height	≥1250 mm
11	Dumping reach	≥400 mm
12	Gauge	Standard: 600 mm (please specify if 750, 762, or 900 mm is required when ordering)
13	Overall dimensions (L×W×H)	Working condition: ≤2500×1380×2250mm
14		Transport condition: ≤2400×1090×1500mm
15	Machine weight	2900±150 kg

- Series-Leading Capacity** – The largest bucket in the ZQ line, driven by a high-efficiency pneumatic system, delivers unparalleled material handling in narrow-drift applications—moving more muck per cycle to maximize advance rates.
- Expanded Yet Compact** – Enhanced loading width and optimized dumping geometry ensure smooth integration with various haulage options, while the machine retains a slim profile for effortless operation in tight headings and restricted stopes.
- Built for Peak Demands** – Reinforced steel construction, durable track systems, and proven air motors ensure the ZQ-30 withstands the heaviest continuous duty cycles, delivering exceptional reliability and low maintenance even in the harshest underground conditions.