

TALPA MINING INC.

UNDERGROUND MINING MACHINERY
PRODUCT BROCHURE
EN



www.talpamining.com



GET TO KNOW US

Talpa Mining

"Talpa Mining," based in Izmir, Turkey, is a leading provider of machinery and equipment for the mining and tunnel construction industries. Our machines are engineered to operate continuously under challenging conditions, delivering exceptional value with every unit we manufacture.

Established in 2011, the Talpa Mining factory spans 5,000 square meters and is dedicated to the ongoing development, design, and production of high-quality equipment. Our focus is on delivering machines with comprehensive features, maximum performance, safety, and reliability. With a commitment to quality and integrity, we are proud to be a reputable brand in the Turkish machinery equipment market for underground galleries.



Unleash Excellence in Underground:

Talpa Mining, the ultimate choice for reliability and high productivity.

When you choose a Talpa Machine, you can expect the following:

- Robust design with optimal balance
- User-friendly interface with state-of-the-art driveline components
- Cost-effective operation
- Ergonomic and secure operator cabin
- Consistently achieving high productivity levels

Talpa's underground mining loaders and trucks are designed to prioritize safety, productivity, and reliability, even in the most demanding applications. Our range of Load-Haul-Dump (LHD) machines, ranging from 1 to 10 tons capacity, excels in narrow and medium mine galleries, catering to both hardrock and softrock mining operations.

We also offer a selection of powerful dump trucks with payloads ranging from 4 to 20 tons. These models have been meticulously designed to enhance safety and strength while optimizing cost per ton.

All machines in our fleet are equipped with Tier III or Stage V engines, customized to meet your specific requirements.



Our Global Presence: Serving Customers Worldwide with a Wide Product Range

Talpa has a big fleet of machinery operating in different locations around the world.

Our wide product range reaches customers in various countries including Turkey, Kazakhstan, Uzbekistan, Azerbaijan, Bosnia and Herzegovina, Serbia, Albania, Mexico, Peru, Georgia and Guatemala.

We pride ourselves on our global presence and our ability to serve customers in multiple regions.



Our Vision:

Our vision is to become an exceptional company, preserving our mission and traditions for future generations, alongside our dedicated staff.

Our Mission:

Our mission is to share our knowledge, experience, and accomplishments with our staff and business partners while maintaining the highest quality of service.

We prioritize innovation and uphold principles of fair competition. We strive to develop together with our staff, fostering a dynamic work environment built on honesty, respect, and teamwork.

Our goal is to transform our investments and successes into sustainable growth, ensuring a prosperous future for generations to come, in collaboration with our staff and business partners.

TALPA SERIES STANDARDS

Main benefits

Chassis:

- High-quality steel chassis design
- Boom and chassis lock-up for maintenance safety
- Hardened pins on dust seals
- Heavy-duty tapered bearings and dust seals at the articulation

Canopy:

- ROPS-FOPS certified ergonomic canopy with an air-suspended driver seat

Driveline Systems:

- High-quality driveline systems sourced from reputable global suppliers.

A comprehensive service offering.

Regular servicing is essential even for the finest equipment to ensure optimal performance.

Talpa's well trained after sales service organization provides continuous support around the clock by maximizing availability and performance throughout your equipment's lifetime.

Our primary focus is on safety, productivity, and reliability.





TALPA LOADERS:

Talpa Mining

TALPA loaders are specially designed to operate in narrow vein and mid-size mining operations in both hard and soft rock applications. The capacities of the TALPA LHDs are ranging between 1 to 10 tons. The powerful four-wheel-drive articulated chassis ensure fast and safe maneuvering even in tight spaces. High-strength planet axles provide maximum safety and performance. The layouts are designed for good visibility and balance whilst ensuring the highest safety possible with their ROPS&FOPS certified canopy. They are easy to use and service, and have user-friendly simple gauges and systems, providing the lowest cost of operation.

LHDS DIESEL:

- **LH 112 Bucket** 0,75 m³ - 1 yd³ - 1.500 kg
- **LH 217 Bucket** 1,7 m³ - 2,2 yd³ - 4.000 kg
- **LH 320 Bucket** 3 m³ - 3,9 yd³ - 7.000 kg
- **LH 425 Bucket** 4 m³ - 5,2 yd³ - 10.000 kg

LHDS BATTERY POWERED:

- **E 110 Bucket** 0,35 m³ - 0,46 yd³ - 1.000 kg



Unleash Productivity and Efficiency: LH 425, the ultimate solution for underground material handling.

TALPA LH 425

Diesel powered loaders:

LH 425 is intended for use in underground galleries mainly for the purpose of cleaning and transporting bulk materials after blasting. It can also be used in tunneling for rail and road transport and in the construction of hydraulic structures and is suitable for cross sections of 4 x 4 m and more.

The powerful four wheel drive articulated chassis ensure high safety and efficiency in underground. Its easy to use with state of art driveline and ergonomic ROPS&FOPS certified canopy providing the lowest cost of operation.



MAIN FEATURES

Bucket Size	Tramming Capacity		Standard Bucket	
	10000 kg		4 m³ / 5.2 yd³	
Speeds**	1st gear	2nd gear	3rd gear	4th gear*
	3.6 km/h	7.0 km/h	12.0 km/h	20.4 km/h

**May vary depending on the engine mounted on the machine.

*4th blocked by OEM

Bucket Cycle Times	Raising Time	Lowering Time	Tipping Time
	6 sec	4 sec	1.8 sec

Weight	Operating Weight	Loaded Weight
	29950 kg	39950 kg

Engine	Option 1	Option 2	Option 3	Option 4
Diesel Engine	Cummins QSL9.0	Volvo TAD852VE	Cummins L9.	Volvo TAD882VE
Output	209 kW @ 2000 rpm	210 kW @ 2200 rpm	224 kW @ 2100 rpm	210 kW @ 2200rpm
Torque	1451 Nm @ 1400 rpm	1237 Nm @ 1350 rpm	1525 Nm @ 1100 rpm	1255Nm @ 1400 rpm
Number of cylinders	In-line 6	In-line 6	In-line 6	In-line 6
Displacement	8.9 L	7.7 L	8.9 L	7.7 L
Cooling system	Water cooled	Water cooled	Water cooled	Water cooled
Emission	EU Stage III A, EPA Tier 3	EU Stage III A, EPA Tier 3	EU Stage V	EU Stage V

Exhaust System	Catalytic Converter
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Transmission	Powershift Transmission with Modulation - DANA
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Torque Converter	DANA
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Axles	Kessler D101 Series
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Degree of Axle Oscillation	+/- 8°
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Service Brake	Spring Applied Hydraulically Released brakes (SAHR)
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Tires	18.00R25 L5
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Tires are application approved. Brand subject to availability.

Electric System	Battery	System Voltage	Lights (LED)
	2 x 180 A	24 V	6 Front, 6 Rear, 1 Side

Hydraulic System	
Main Pump (Tilt-Lift-Steering)	Heavy Duty Gear
Manual Hydraulic Tank Fill Pump	✓
Filtration Type	Return, Suction
Pump (Brake)	Gear Type
Pump (Fan)	Gear Type
Main Control Valve	Solenoid Operated

Tank Capacities	Fuel Tank	Hydraulic Tank
	390 L	340 L

Control System	Type	Remote Control
	Proportional	Optional

MAIN FEATURES

Canopy

Steering	Joystick
Closed Canopy	Optional
Rear View Camera Display in Operator Cabin	✓
Air Conditioning System and Heating System	Optional

Various Options

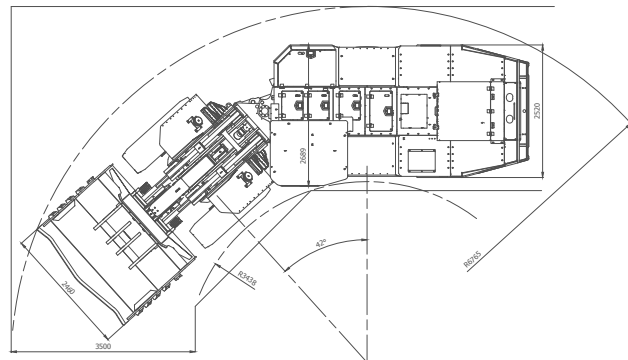
Reverse Movement Audible Alarm	✓
Air Filtration	Dry Type - Two Stage Filtration
Fire Extinguisher	✓
Automatic Fire Suppression System	Optional
Manual Lubrication System	✓
Automatic Central Lubrication	Optional
Media Pack	Optional
Winter Kit	Optional
Aggressive Environment Kit	Optional
Arctic Hose Kit	Optional
Ejector Bucket	Optional

Certificates

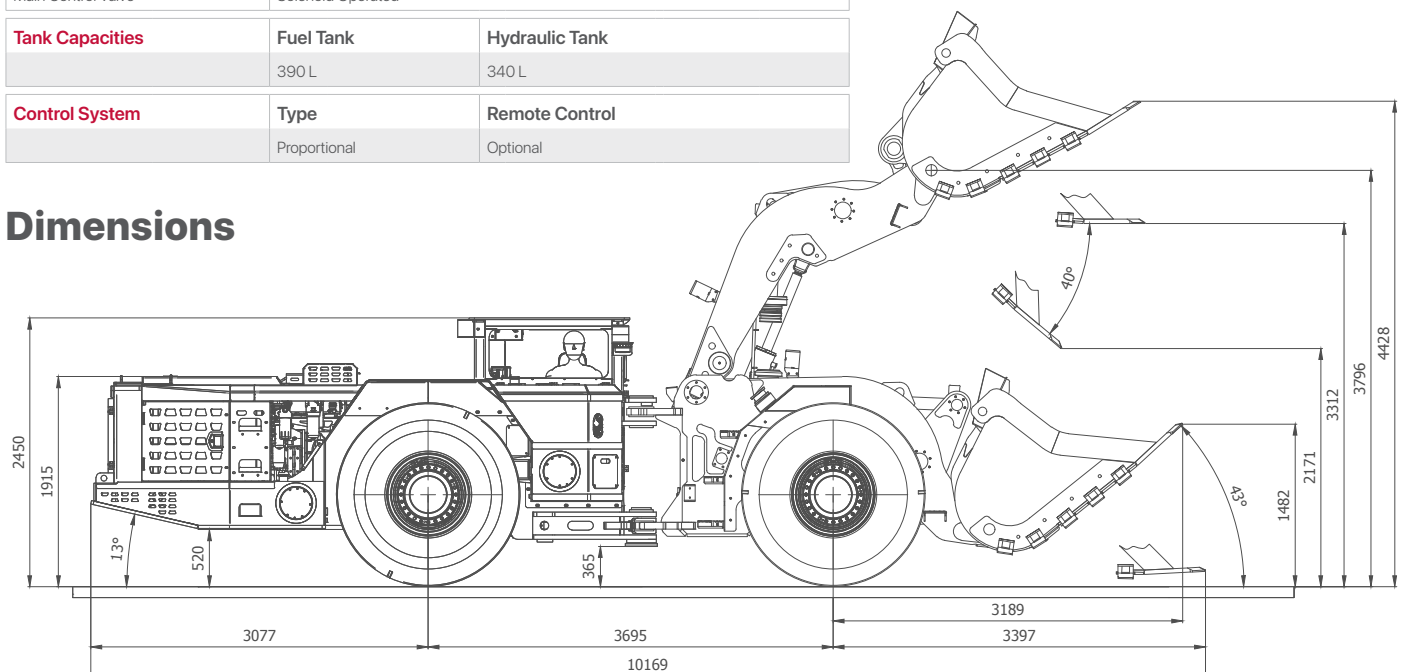
CE	✓
EN ISO 3471:2008 ROPS	✓
EN ISO 3449:2008 FOPS	✓
EAC	✓

Operational Conditions and Limits

Environmental Temperature	From -20°C to + 45°C
Maximum Admissible Gradient	25%



Dimensions



**Capture the power
and reliability
of the Talpa LH
320 in a single
photograph,
showcasing its
capabilities in
the toughest
conditions within
underground
mines.**





TALPA LOADERS LH 320

Talpa Mining

Talpa LH 320, a diesel-powered 7-ton loader, is specifically designed for demanding operations in underground mines, tunneling projects, and mid-size development work. With its robust four-wheel drive articulated chassis and a canopy certified with ROPS&FOPS standards, this machine ensures high levels of safety and efficiency even in challenging mining environments. Its user-friendly gauges and systems make operation easy, while its exceptional performance delivers the lowest cost of operation.



Unleash Power and Safety: Talpa LH 320, your ultimate solution for efficient underground operations.

TALPA LH 320

Diesel powered loaders:

Talpa LH 320 is a diesel-powered 7-ton loader designed for mid-size development work, tunneling, and mining applications.

The powerful four-wheel drive articulated chassis, along with its ROPS&FOPS certified canopy, ensures high safety and efficiency underground. Its easy-to-use and user-friendly gauges and systems provide the lowest cost of operation.



MAIN FEATURES

**May vary depending on the engine mounted on the machine.			*4 th blocked by OEM
Bucket Cycle Times	Raising Time	Lowering Time	Tipping Time
	6.5 sec	4.2 sec	1.3 sec
Weight	Operating Weight	Loaded Weight	
	20640 kg	27640 kg	

*4th blocked by OEM

Weight	Operating Weight	Loaded Weight
	20640 kg	27640 kg

Engine	Option 1	Option 2	Option 3	Option 4
Diesel Engine	Cummins QSB6.7	VOLVO TAD850VE	Cummins B6.7	Volvo TAD880VE
Output	164 kW @ 2200 rpm	160 kW @ 2200 rpm	168 kW @ 2200 rpm	160 kW @ 2200 rpm
Torque	949 Nm @ 1500 rpm	1060 Nm @ 1350 rpm	1044 Nm @ 1500 rpm	1075Nm @ 1400 rpm
Number of cylinders	In-line 6	In-line 6	In-line 6	In-line 6
Displacement	6.7 L	7.7 L	6,7 L	7.7 L
Cooling system	Water cooled	Water cooled	Water cooled	Water cooled
Emission	EU Stage III A, EPA Tier 3	EU Stage III A, EPA Tier 3	EU Stage V	EU Stage V

Transmission	Powershift Transmission with Modulation - DANA
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Axles	Kessler D91 Series
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Service Brake	Spring Applied Hydraulically Released brakes (SAHR)
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Tires are application approved. Brand subject to availability.

Tires are application approved. Brand subject to availability.

Hydraulic System	
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Main Pump (Tilt-Lift-Steering)	Heavy Duty Gear
Manual Hydraulic Tank Fill Pump	✓
Filtration Type	Return, Suction
Pump (Brake)	Gear Type
Pump (Fan)	Gear Type
Main Control Valve	Solenoid Operated

Control System	Type	Remote Control
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MAIN FEATURES

Canopy	
Steering	Joystick
Open Canopy	✓
Rear View Camera Display in Operator Cabin	✓
Closed Canopy	Optional
Air Conditioning and Heating System	Optional

Various Options

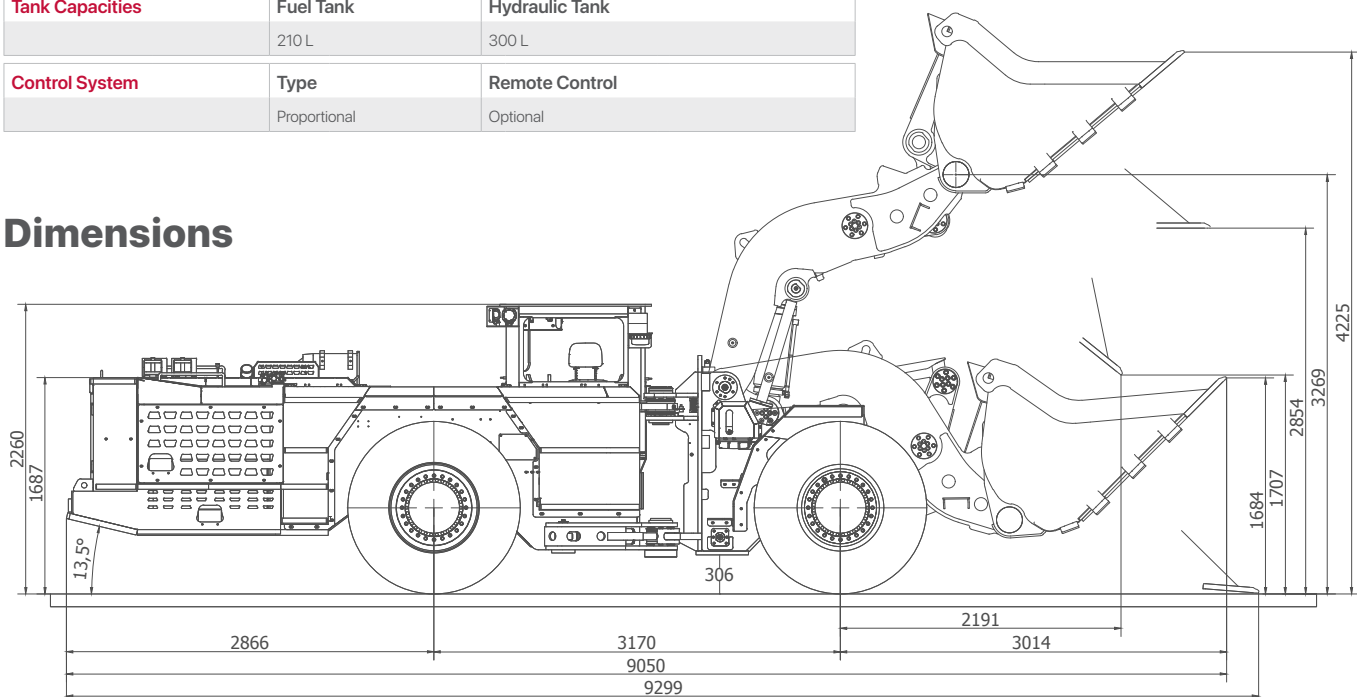
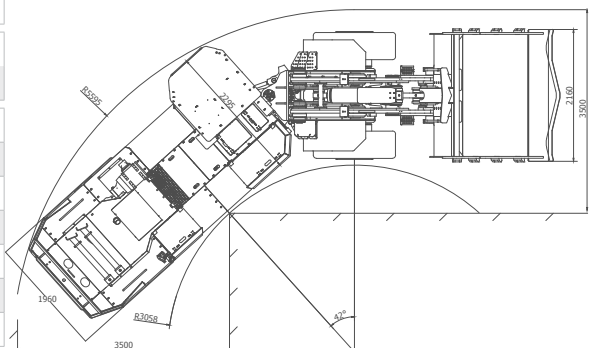
Reverse Movement Audible Alarm	✓
Air Filtration	Dry Type - Two Stage Filtration
Fire Extinguisher	✓
Automatic Fire Suppression System	Optional
Manual Lubrication System	✓
Automatic Central Lubrication	Optional
Media Pack	Optional
Winter Kit	Optional
Aggressive Environment Kit	Optional
Arctic Hose Kit	Optional
Ejector Bucket	Optional

Certificates

CE	✓
EN ISO 3471:2008 ROPS	✓
EN ISO 3449:2008 FOPS	✓
EAC	✓

Operational Conditions and Limits

Environmental Temperature	From -20°C to + 45°C
Maximum Admissible Gradient	25%



Dimensions



Unleash Efficiency: Talpa LH 217, the pinnacle of productivity in narrow vein mining.

TALPA LH 217

Diesel powered loaders:

Talpa LH 217 is a diesel-powered heavy-duty loader designed for narrow vein mining. The machine is characterized by low fuel consumption, a simple design, reliable operation, and ease of maintenance.

The LH217's T-link design ensures high breakout force and reduced wear. The machine's easy-to-use construction, long-life structure, and simple gauges provide the lowest possible total costs of operation. All service points are well-protected yet easily accessible.



MAIN FEATURES

Canopy

Steering	Joystick
Open Canopy	✓
Closed Canopy	Optional
Air Conditioning and Heating System	Optional

Various Options

Reverse Movement Audible Alarm	✓
Air Filtration	Dry Type - Two Stage Filtration
Fire Extinguisher	✓
Automatic Fire Suppression System	Optional
Manual Lubrication System	✓
Automatic Central Lubrication	Optional
Aggressive Environment Kit	Optional
Ejector Bucket	Optional

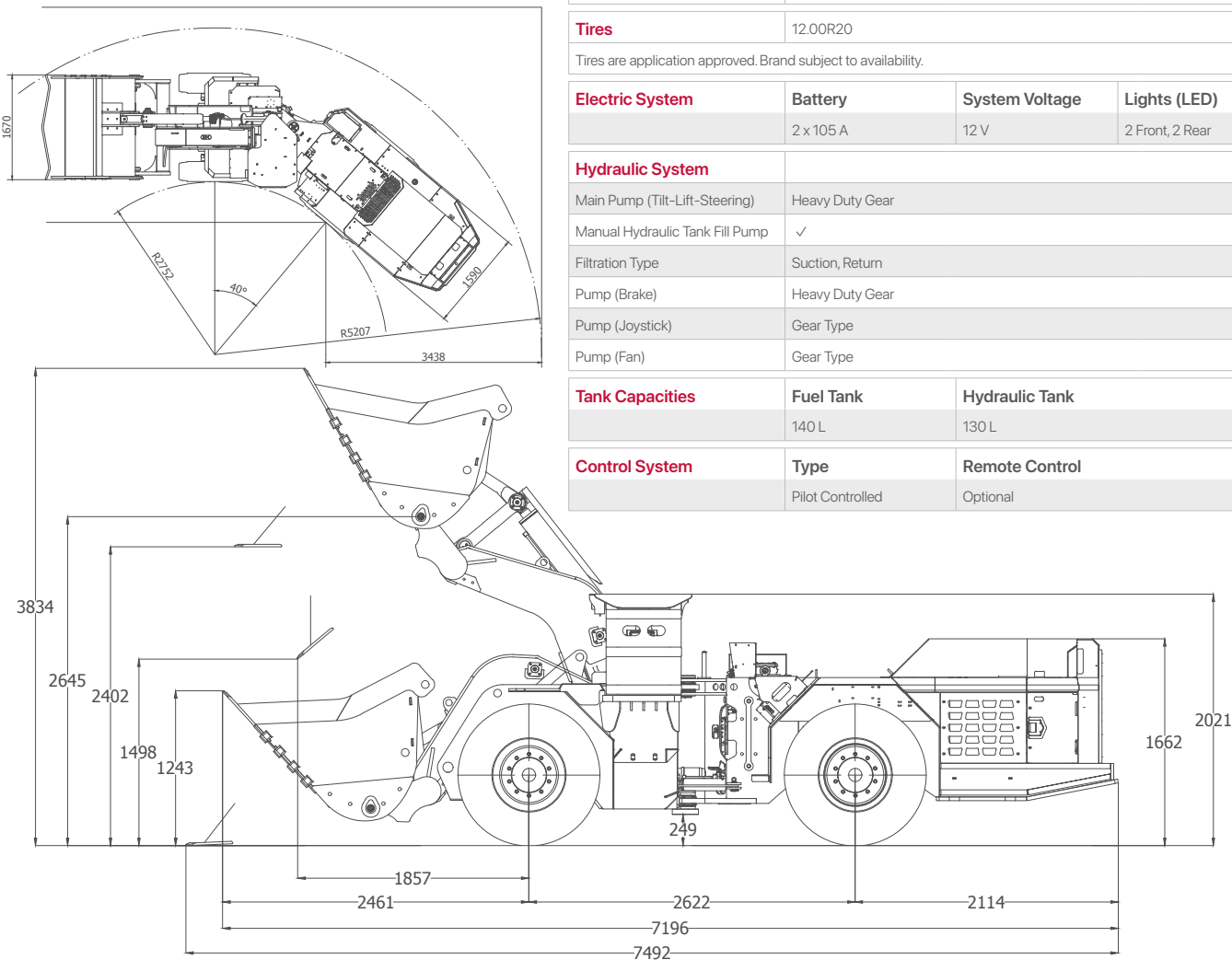
Certificates

CE	✓
EN ISO 3471:2008 ROPS	✓
EN ISO 3449:2008 FOPS	✓
EAC	✓

Operational Conditions and Limits

Environmental Temperature	From -20°C to +45°C
Standard Operating Altitude	upto 2000 m without rated power derate
Maximum Admissible Gradient	25%

Dimensions



MAIN FEATURES

Bucket Size	Tramming Capacity	Standard Bucket	Optional Bucket
	4000 kg	1.7 m³ / 2.2 yd³	2 m³ / 2.6 yd³ (Optional)

Speeds**	1 st gear	2 nd gear	3 rd gear*
with Cummins engine	4.1 km/h	9 km/h	25 km/h
with Deutz engine	4.3 km/h	9.5 km/h	26.1 km/h

**May vary depending on the engine mounted on the machine.

*3rd blocked by OEM

*3rd blocked by OEM

Bucket Cycle Times	Raising Time	Lowering Time	Tipping Time
	5.4 sec	4.11 sec	2.9 sec

Weight	Operating Weight	Loaded Weight
	10500 kg	14500 kg

Engine	Option 1	Option 2	Option 3
Diesel Engine	Cummins QSB4.5	DEUTZ TCD 2012 L04 2V	Cummins B4,5
Output	104 kW @ 2000 rpm	92kW @2100 rpm	99kW @2200 rpm
Torque	504 Nm @ 1800 rpm	520 Nm @ 1600 rpm	633 Nm @ 1200 rpm
Number of cylinders	In-line 4	In-line 4	In-line 4
Displacement	4.5 L	4.04 L	4.5 L
Cooling system	Water cooled	Water cooled	Water cooled
Emission	Euro Stage III A, EPA Tier 3	Euro Stage III A, EPA Tier 3	Stage 5

Exhaust System	Catalytic Converter
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Transmission	Powershift Transmission - DANA RT20000 series
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Torque Converter	DANA
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Axles	Kessler D71 Series
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Degree of Axle Oscillation	+/- 8°
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Service Brake	Spring Applied Hydraulically Released brakes (SAHR)
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Tires	12.00R20
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Tires are application approved. Brand subject to availability.

Electric System	Battery	System Voltage	Lights (LED)
	2 x 105 A	12 V	2 Front, 2 Rear

Hydraulic System	
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Main Pump (Tilt-Lift-Steering)	Heavy Duty Gear
Manual Hydraulic Tank Fill Pump	✓
Filtration Type	Suction, Return
Pump (Brake)	Heavy Duty Gear
Pump (Joystick)	Gear Type
Pump (Fan)	Gear Type

Tank Capacities	Fuel Tank	Hydraulic Tank
	140 L	130 L

Control System	Type	Remote Control
	Pilot Controlled	Optional



Compact Height, Maximum Might:

Talpa LH 217-Low
Profile – Power where
clearance counts.

TALPA LH 217 LP

Diesel powered loaders:

Talpa LH217-Low Profile is a diesel-powered, heavy-duty loader designed for narrow-vein mining. Characterized by low fuel consumption, simple design, reliable operation, and ease of maintenance, it features a T-link design that ensures high breakout force and reduced wear. Its user-friendly construction, durable structure, and clear gauges minimize total operating costs, while all service points remain well-protected yet easily accessible.



MAIN FEATURES

Canopy

Steering	Joystick
Open Canopy	✓
Closed Canopy	Optional
Air Conditioning and Heating System	Optional

Various Options

Reverse Movement Audible Alarm	✓
Air Filtration	Dry Type - Two Stage Filtration
Fire Extinguisher	✓
Automatic Fire Suppression System	Optional
Manual Lubrication System	✓
Automatic Central Lubrication	Optional
Aggressive Environment Kit	Optional
Ejector Bucket	Optional

Certificates

CE	✓
EN ISO 3471:2008 ROPS	✓
EN ISO 3449:2008 FOPS	✓
EAC	✓

Operational Conditions and Limits

Environmental Temperature	From -20°C to +45°C
Standard Operating Altitude	upto 2000 m without rated power derate
Maximum Admissible Gradient	25%

MAIN FEATURES

Bucket Size	Tramming Capacity	Standard Bucket	Optional Bucket
	5300 kg	2.0 m³ / 2.6 yd³	
Speeds**	1 st gear	2 nd gear	3 rd gear*
with Cummins engine	4.1 km/h	9 km/h	25 km/h
with Deutz engine	4.3 km/h	9.5 km/h	26.1 km/h

**May vary depending on the engine mounted on the machine.

*3rd blocked by OEM

Bucket Cycle Times	Raising Time	Lowering Time	Tipping Time
	5.4 sec	4.11 sec	2.9 sec

Weight	Operating Weight	Loaded Weight
	14,000 kg	19,300 kg

Engine	Option 1	Option 2	
Diesel Engine	Cummins QSB4.5	DEUTZ TCD 2012 L04 2V	
Output	104 kW @ 2000 rpm	92kW @ 2100 rpm	
Torque	504 Nm @ 1800 rpm	520 Nm @ 1600 rpm	
Number of cylinders	In-line 4	In-line 4	
Displacement	4.5 L	4.04 L	
Cooling system	Water cooled	Water cooled	
Emission	Euro Stage III A, EPA Tier 3	Euro Stage III A, EPA Tier 3	

Exhaust System	Catalytic Converter
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Transmission	Powershift Transmission - DANA RT20000 series
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Torque Converter	DANA
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Axles	Kessler D71 Series
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Degree of Axle Oscillation	+/- 8°
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Service Brake	Spring Applied Hydraulically Released brakes (SAHR)
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Tires	12.00R20
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Tires are application approved. Brand subject to availability.

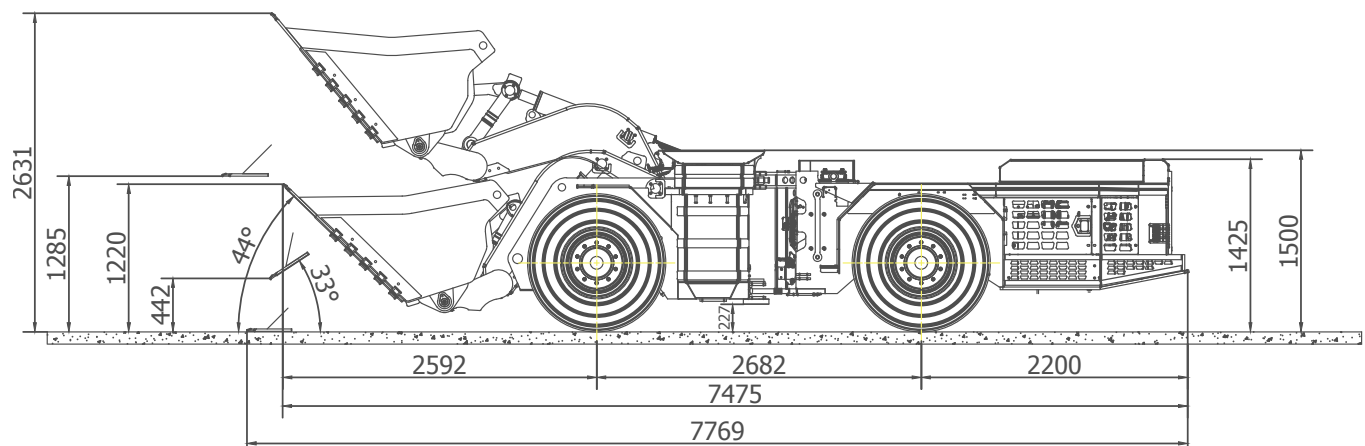
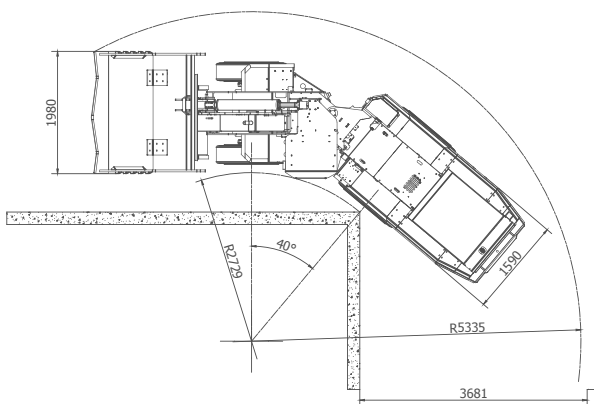
Electric System	Battery	System Voltage	Lights (LED)
	2 x 105 A	12 V	2 Front, 2 Rear

Hydraulic System	
Main Pump (Tilt-Lift-Steering)	Heavy Duty Gear
Manual Hydraulic Tank Fill Pump	✓
Filtration Type	Suction, Return
Pump (Brake)	Heavy Duty Gear
Pump (Joystick)	Gear Type
Pump (Fan)	Gear Type

Tank Capacities	Fuel Tank	Hydraulic Tank
	132 L	119 L

Control System	Type	Remote Control
	Pilot Controlled	Optional

Dimensions





Powerful and Efficient: Talpa LH 112, your trusted companion for narrow vein mining.

TALPA LH 112

Diesel powered loaders:

Talpa LH 112 is a diesel-powered and power-shift heavy-duty loader designed for narrow vein mining, suitable for a cross-section of 2.5 meters or more. The powerful four-wheel-drive articulated chassis ensures fast and safe maneuvering in tight spaces. The layout of Talpa LH 112 is designed to provide good visibility and balance while ensuring the highest level of safety with its ROPS&FOPS certified canopy.

LH 112 is easy to use and service, with simple gauges and a long-life structure, providing the lowest possible total costs of operation. All service points are well-protected yet easily accessible.



MAIN FEATURES

Bucket Size	Tramming Capacity	Standard Bucket	
	1500 kg	0.75 m³ - 1 yd³	
Speeds**	1st gear	2nd gear	3rd gear*
	4.5 km/h	8.8 km/h	21.6 km/h

**May vary depending on the engine mounted on the machine.

*3rd blocked by OEM

Bucket Cycle Times	Raising Time	Lowering Time	Tipping Time
	2.5 sec	1.6 sec	2.8 sec

Weight	Operating Weight	Loaded Weight
	4400 kg	5900 kg

Engine	Option 1	Option 2	Option 3
Diesel Engine	Yanmar 4TNV98T-ZNSA	JCB	Hyundai DM02
Output	60 kW @ 2200 rpm	55 Kw @ 2200 rpm	55,4 kW @ 2200 rpm
Torque	296 Nm @ 1850 rpm	440 Nm @ 1150 rpm	320 Nm @ 1600 rpm
Number of cylinders	In-line 4	4	4
Displacement	3.3 L	3.0 L	2.392 L
Cooling system	Water cooled	Water cooled	Water cooled
Emission	EU Stage III A, EPA Tier 3	EU Stage V	EU Stage V

Exhaust System	Catalytic Converter
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Transmission	Powershift Transmission - DANA
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Torque Converter	DANA
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Axles	DANA 111D Series
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Degree of Axle Oscillation	+/- 8°
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Service Brake	Fail Safe Disc
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Tires	7.50 - 15
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Tires are application approved. Brand subject to availability.

Electric System	Battery	System Voltage	Lights (LED)
	105 A	12 V	3 Front, 2 Rear

Hydraulic System	
Main Pump (Tilt-Lift)	Heavy Duty Gear
Manual Hydraulic Tank Fill Pump	✓
Filtration Type	Suction, Return
Pump (Brake - Steering)	Gear Type

Tank Capacities	Fuel Tank	Hydraulic Tank
	75 L	75 L

Control System	Type	Remote Control
	*Remote Control	*Optional (HBC Radiomatic)

MAIN FEATURES

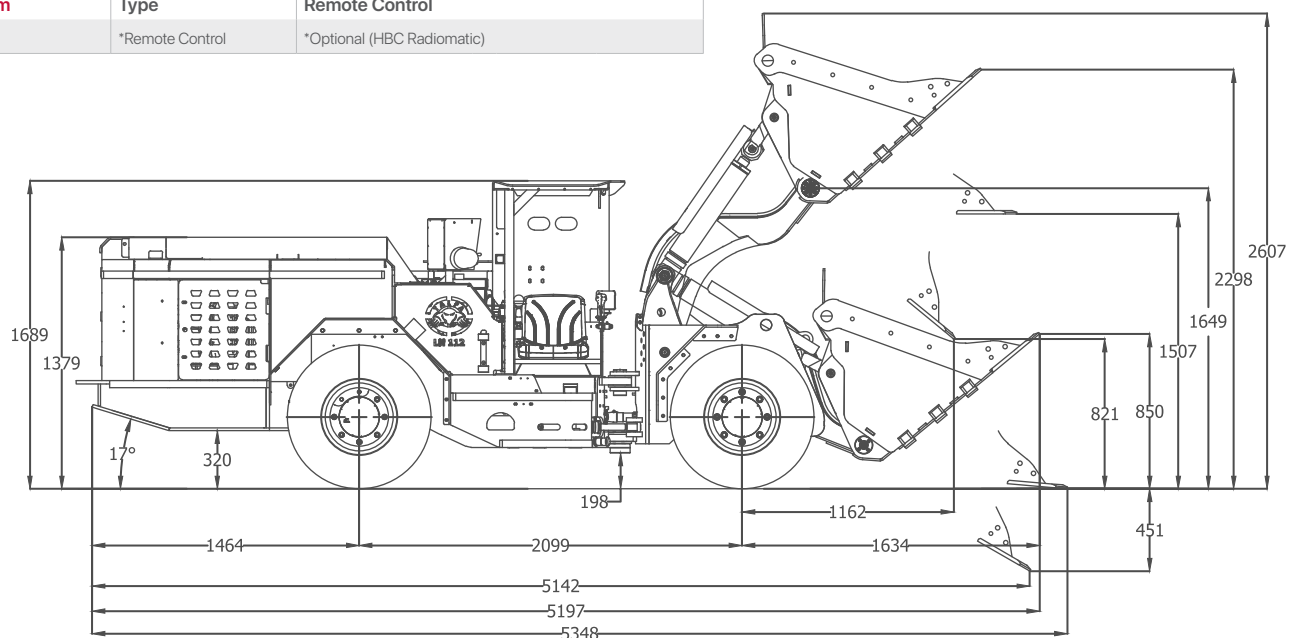
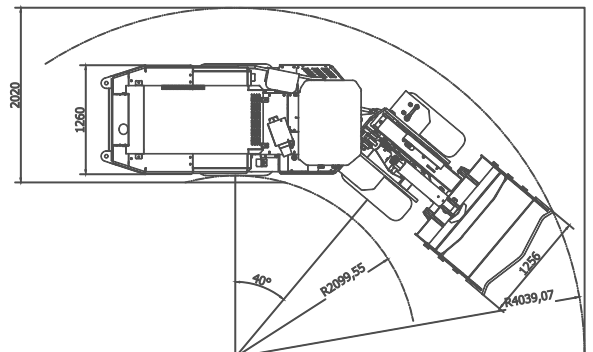
Canopy	
Steering	Joystick
Open Canopy	✓

Various Options	
Reverse Movement Audible Alarm	✓
Dry Type Two-Stage Air Filter	✓
Fire Extinguisher	✓
Manual Lubrication System	✓
Ejector Bucket	Optional

Certificates	
CE	✓
EN ISO 3471:2008 ROPS	✓
EN ISO 3449:2008 FOPS	✓
EAC	✓

Operational Conditions and Limits	
Environmental Temperature	From -20°C to + 45°C
Maximum Admissible Gradient	25%

Dimensions





Zero Emissions, Maximum Performance:

Talpa E 110,
Revolutionizing
Narrow Vein Mining.

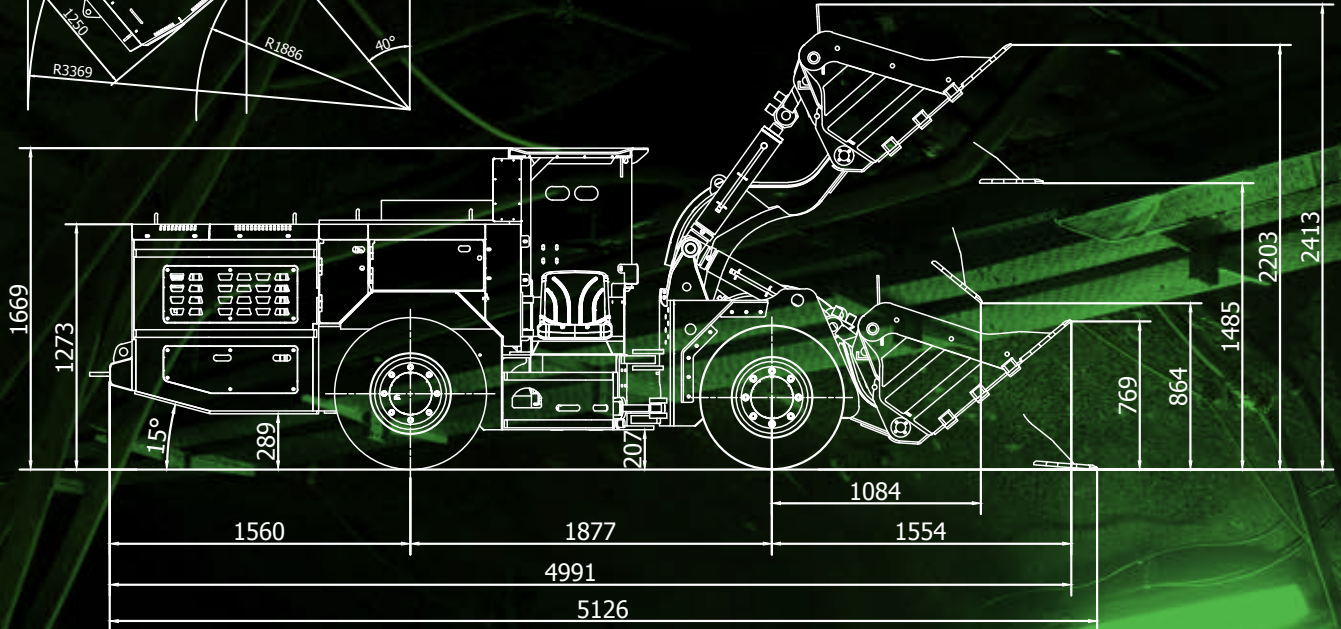
TALPA E 110

Electric powered loaders:

Talpa E 110 is a battery-powered underground loader suitable for narrow vein mining with its 1250 mm width and 1-ton bucket capacity. Its rechargeable battery ensures a safer working environment whilst causing zero emission and provides better visibility in both directions with a side-seated operator.

The powerfully articulated chassis ensure fast and safe maneuvering in tight spaces. The E 110 loader enables you to maintain your top productivity while working in a purer and safer environment. The standard machine offers 4-5 hours of autonomy, which allows mucking 3 to 4 faces in one shift.





Electric powered loaders:

- | Optional Buckets Size | |
|--------------------------------|--|
| • Operating Weight | : 5.600 kg |
| • Dimensions (L x W x H) | : 5126 x 1250 x 1669 mm |
| • Turning Radius (Inner/Outer) | : 1886 mm / 3369 mm |
| • Charging Duration | : 2,5 Hours |
| • Estimated Operational Time | : 4 – 5 hours |
| • Drive Train- Axles | : Talpa Gear Box – DANA Axles (Oil Cooled) |

Unleash Power and Efficiency with Talpa Dump Trucks.

From 4 to 20 tons, we have got the perfect dumpers for your mining and tunneling needs.

Navigate tight spaces with ease and conquer steep gradients with unmatched performance.

Experience reliability, durability, and cost-effectiveness with Talpa Trucks.





TALPA TRUCKS:

Talpa Mining

TALPA manufactures dump trucks for mining and tunneling with capacities ranging from 4 to 20 tons and dump sizes from 2 to 8 m³. The smallest truck in the series is a skid steer truck with a capacity of 4 tons, offering 360° maneuverability along with high power and speed.

Talpa also offers a line of articulated heavy-duty dump trucks with capacities ranging from 10 to 20 tons, suitable for narrow and mid-size galleries. The powerful four-wheel-drive articulated chassis ensures fast and safe maneuvering in tight spaces. The layouts have a robust design with an excellent power-to-weight ratio and are easy to service. Talpa trucks deliver high speeds even in steep gradients while providing the lowest possible total costs of operation.

TRUCK SERIES

- **T 4:** 2 m³ -2,6 yd³ (4 ton load capacity)
- **ADT 10:** 4 m³ -5,2 yd³ (10 ton load capacity)
- **ADT 15:** 6 m³ -7,8 yd³ (15 ton load capacity)
- **ADT 20:** 8 m³ -10,5 yd³ (20 ton load capacity)



Seamless Performance, Unparalleled Efficiency:

Talpa T 4, the Ultimate
Dump Truck Solution.

TALPA T 4

Talpa Trucks :

Smallest of its class, Talpa T 4 is specifically designed for narrow vein mining suitable for cross-sections of 2 meters or more. This machine is a good companion of our smaller loaders range; namely the LH 112 diesel loader and E 110 battery-powered loader. The skid steer truck is known for its high level of maneuverability, durability, ease of use, and serviceability.





MAIN FEATURES

Operating weight	3.850 kg
Payload capacity	4.000 kg
Dumper Standard (struck)	2,6 yd ³ - 2 m ³
Max Dumper Height	2.583 mm
Max. Dumper Angle	60°
Dual Effect Hydraulic Cylinders	2 pcs
Fuel Tank Capacity	70 L
Dimensions (L x W x H1* - H2*)	3716 x 1827 x 1705 -1438 mm

Engine

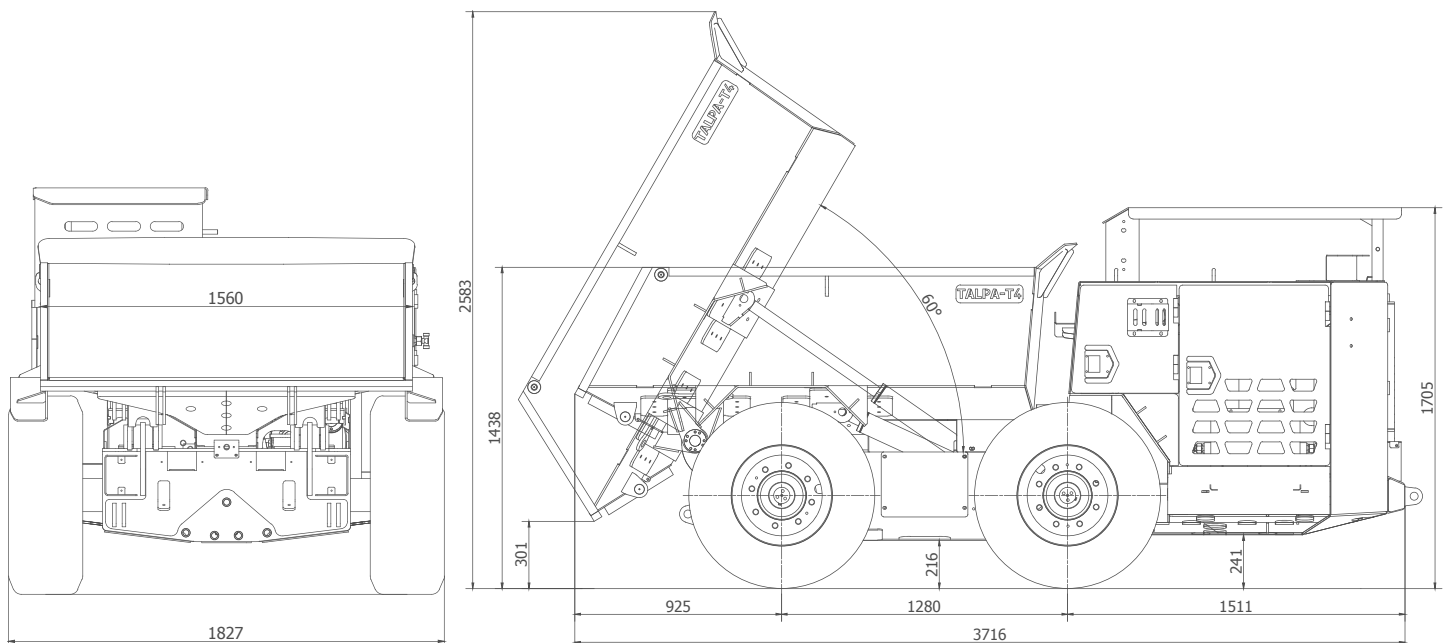
Option 1	Tümosan 85kW @ 2200 rpm - EU Stage III A , EPA Tier 3
Option 2	Deutz – 92kW @ 2100 rpm - EU Stage III A , EPA Tier 3
Option 3	Hyundai - 85 kW @ 2400 rpm - EU StageV - (km/h) 6,46 / 12,88
Option 4	Cummins – 104kW @ 2000 rpm - EU Stage III A , EPA Tier 3 - (km/h) 6,9 / 13,72
Number of Cylinders	4
Cooling System	Water

Drive Train	Hydrostatic
Tyre Size	12R16.5

Other Features

ROPS/FOPS Certified Safety Canopy
High-Strength Steel
Reverse Movement Signaling
Manual Lubrication System
Negative Brake

Dimensions





Unleash Power in Narrow Spaces:

Talpa ADT 10, the Heavy-Duty Dump Truck for Efficient Mining.

TALPA ADT 10

Talpa Trucks :

Talpa ADT 10 is a diesel-powered heavy-duty dump truck for narrow vein mining. The powerful four-wheel drive articulated chassis ensure fast and safe maneuvering in tight spaces.

The dump truck is characterized by maneuverability, a large angle of rotation of the wheels, and a small turning radius, suitable for heights with a cross-section of 3.5 x 3.5 m and more.



MAIN FEATURES

Dump Size	Payload Capacity	Dump Box Capacity (struck/heaped)	
	10000 kg	4.0 m³ / ca. 4.9 m³	
Speeds**	1st gear	2nd gear	3rd gear*
	4.1 km/h	9 km/h	25 km/h

**May vary depending on the engine mounted on the machine.

*3rd blocked by OEM

Dumping	Max. Dumper Height	Max. Dumper Angle	Dual Effect Hydraulic Cylinders
	3896 mm	70°	2 Pieces

Operating Weights	Total Operating Weight	Front Axle	Rear Axle
	8750 kg	5000 kg	3750 kg

Loaded Weights	Total Loaded Weight	Front Axle	Rear Axle
	18750 kg	6750 kg	12000 kg

Dimensions	Length	Height (Canopy)	Height (Dumper)	Width
	6910 mm	1999 mm	1827 mm	1790 mm

Engine	Option 1	Option 2
Diesel Engine	Cummins QSB4.5	DEUTZ TCD 2012 L04 2V
Output	104 kW @ 2000 rpm	92kW @2100 rpm
Torque	504 Nm @ 1800 rpm	520 Nm @ 1600 rpm
Number of cylinders	In-line 4	In-line 4
Displacement	4.5 L	4.04 L
Cooling system	Water cooled	Water cooled
Emission	Euro Stage III A, EPA Tier 3	Euro Stage III A, EPA Tier 3

Exhaust System	Catalytic Converter
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Transmission	Powershift Transmission - DANA
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Torque Converter	DANA
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Axles	Kessler D71 Series
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Degree of Axle Oscillation	+/- 8°
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Service Brake	Spring Applied Hydraulically Released brakes (SAHR)
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Tires	12.00R20 (Tires are application approved. Brand subject to availability.)
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Electric System	Battery	System Voltage	Lights (LED)
	2 x 105 A	12 V	2 Front, 4 Rear, 1 Side

Hydraulic System			
Main Pump (Steering-Dump Box)	Heavy Duty Gear	Pump (Brake)	Gear Type
Manual Hydraulic Tank Fill Pump	✓	Pump (Joystick)	Gear Type
Filtration Type	Suction, Return	Pump (Fan)	Gear Type

MAIN FEATURES

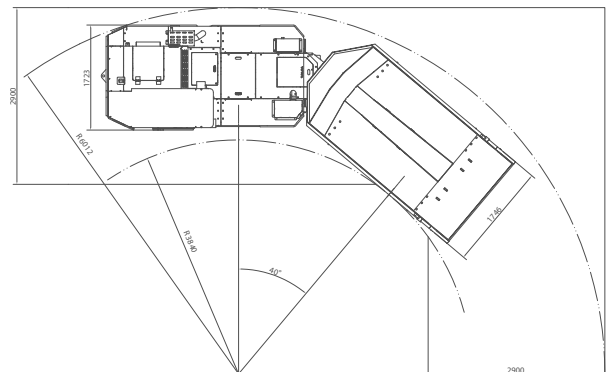
Tank Capacities	Fuel Tank	Hydraulic Tank
	130 L	130 L
Control System	Type	
	Pilot Controlled	

Canopy	
Steering	Joystick
Open Canopy	✓

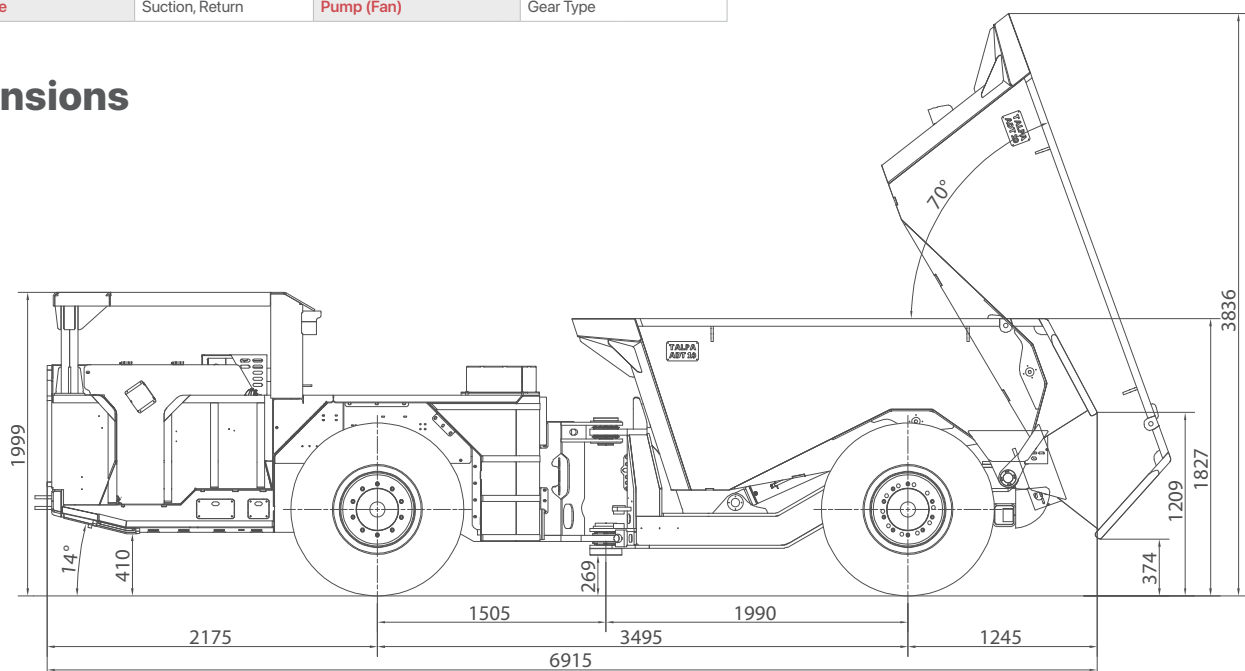
Chassis and Dumper	
High Durability Steel	✓
Abrasion-Resistant Dumper	✓
Abrasion-Resistant Pins and Bearings	✓

Various Options	
Rear View Camera	✓
Reverse Movement Audible Alarm	✓
Air Filtration	Dry Type - Two Stage Filtration
Fire Extinguisher	✓
Automatic Fire Suppression System	*Optional
Manual Lubrication System	✓
Automatic Central Lubrication	*Optional

Certificates	
CE	✓
EN ISO 3471:2008 ROPS	✓
EN ISO 3449:2008 FOPS	✓
EAC	✓



Dimensions





**Unleash Power
and Efficiency
with Talpa ADT 15:**
Your Reliable Partner
in Narrow Vein Mining!

TALPA ADT 15

Talpa Trucks :

Talpa ADT 15 is a diesel-powered heavy-duty dump truck designed for narrow vein mining. The powerful four-wheel drive articulated chassis ensures fast and safe maneuvering in tight spaces. Its robust layout, with an excellent power-to-weight ratio, is easy to service. Talpa machines deliver high speeds even in steep gradients while offering the lowest possible total costs of operation.



MAIN FEATURES

Dump Size	Payload Capacity		Dump Box Capacity (struck/heaped)	
	15000 kg		6.0 m³ / 7 m³	
Speeds**	1st gear	2nd gear	3rd gear	4th gear*
	4 km/h	7.6 km/h	12.8 km/h	21.7 km/h

**May vary depending on the engine mounted on the machine.

*4th blocked by OEM

Dumping	Max. Dumper Height	Max. Dumper Angle	Dual Effect Hydraulic Cylinders
	4295 mm	63°	2 Pieces

Operating Weights	Total Operating Weight	Front Axle	Rear Axle
	15400 kg	10520 kg	4880 kg

Loaded Weights	Total Loaded Weight	Front Axle	Rear Axle
	30400 kg	14050 kg	16350 kg

Dimensions	Length	Height (Canopy)	Height (Dumper)	Width
	7830 mm	2265 mm	2169 mm	2120 mm

Engine	Option 1	Option 2
Diesel Engine	Cummins QSB6.7	VOLVO TAD850VE
Output	164 kW @ 2200 rpm	160 kW @ 2200 rpm
Torque	949 Nm @ 1500 rpm	1060 Nm @ 1350 rpm
Number of cylinders	In-line 6	In-line 6
Displacement	6.7 L	7.7 L
Cooling system	Water cooled	Water cooled
Emission	Euro Stage III A, EPA Tier 3	Euro Stage III A, EPA Tier 3

Transmission	Option 1	Option 2
Powershift Transmission with Modulation	DANA RT14 series	DANA R32000 series

Torque Converter	Option 1	Option 2
	DANA C30000 series	DANA C273 series

Exhaust System	Catalytic Converter
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Axles	Kessler D91 Series	Degree of Axle Oscillation	+/- 8°
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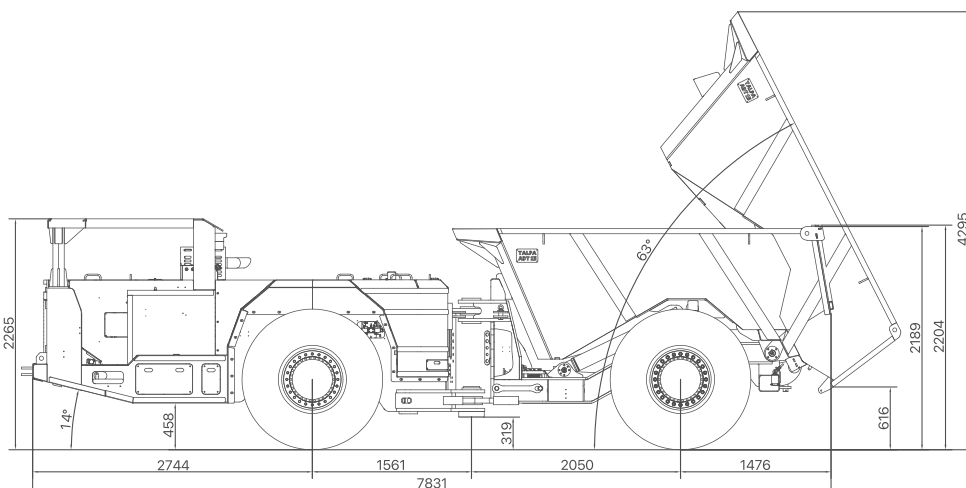
Service Brake	Spring Applied Hydraulically Released brakes (SAHR)
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Tires	14.00R24 (Tires are application approved. Brand subject to availability.)
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Electric System	Battery	System Voltage	Lights (LED)
	2 x 180 A	24 V	2 Front, 4 Rear, 1 Side

Hydraulic System			
Main Pump (Steering-Dump Box)	Heavy Duty Gear	Pump (Brake)	Gear Type
Manual Hydraulic Tank Fill Pump	✓	Pump (Joystick)	Gear Type
Filtration Type	Suction, Return	Pump (Fan)	Gear Type

Dimensions



MAIN FEATURES

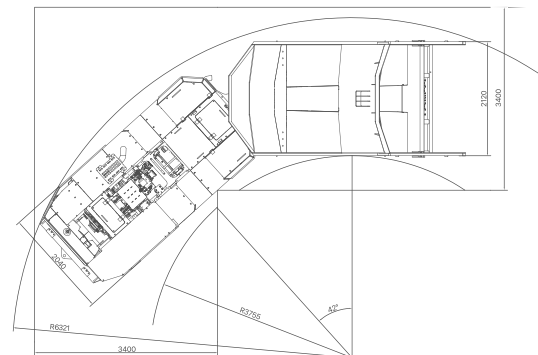
Tank Capacities	Fuel Tank	Hydraulic Tank
	220 L	170 L
Control System	Type	
	Pilot Controlled	

Canopy	
Steering	Joystick
Open Canopy	✓
Rear View Camera Display in Operator Cabin	✓
Closed Canopy	Optional
Air Conditioning and Heating System	Optional

Chassis and Dumper	
High Durability Steel	✓
Abrasion-Resistant Dumper	✓
Abrasion-Resistant Pins and Bearings	✓

Various Options	
Reverse Movement Audible Alarm	✓
Air Filtration	Dry Type - Two Stage Filtration
Fire Extinguisher	✓
Automatic Fire Suppression System	Optional
Manual Lubrication System	✓
Automatic Central Lubrication	Optional
Media Pack	Optional
Winter Kit	Optional
Aggressive Environment Kit	Optional
Arctic Hose Kit	Optional

Certificates	
CE	✓
EN ISO 3471:2008 ROPS	✓
EN ISO 3449:2008 FOPS	✓
EAC	✓





**Unleash Power
and Performance
with Talpa ADT 20:**
Conquer Any Terrain,
Maximize Efficiency!

TALPA ADT 20

Talpa Trucks :

Talpa ADT 20 is a diesel-powered heavy-duty dump truck primarily designed for underground mines, as well as other low, narrow, and restricted conditions. The powerful four-wheel-drive articulated chassis ensures fast and safe maneuverability in tight spaces. Its robust design, excellent power-to-weight ratio, and ease of servicing make it a reliable choice. With an exceptional power-to-weight ratio, this vehicle delivers high speeds even on steep gradients. Talpa machines guarantee high speeds in challenging terrains while keeping operational costs at a minimum.



MAIN FEATURES

Dump Size	Payload Capacity		Dump Box Capacity (struck/heaped)	
	20000 kg		8 m³ / 9 m³	
Speeds**	1st gear	2nd gear	3rd gear	4th gear
	3.6 km/h	7.1 km/h	12.1 km/h	20.6 km/h

**May vary depending on the engine mounted on the machine.

*4th blocked by OEM

Dumping	Max. Dumper Angle	Dual Effect Hydraulic Cylinders
	62°	2 Pieces

Total Operating Weight	20160 kg
Total Loaded Weight	40160 kg

Engine	Option 1	Option 2
Diesel Engine	Cummins QSL9.0	Volvo TAD852VE
Output	209 kW @ 2000 rpm	210 kW @ 2200 rpm
Torque	1451 Nm @ 1400 rpm	1237 Nm @ 1350 rpm
Number of cylinders	In-line 6	In-line 6
Displacement	8.9 L	7.7 L
Cooling system	Water cooled	Water cooled
Emission	Euro Stage III A, EPA Tier 3	Euro Stage III A, EPA Tier 3

Transmission	DANA
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Torque Converter	DANA
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Exhaust System	Catalytic Converter
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Axles	Kessler D91 Series	Degree of Axle Oscillation	+/- 8°
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Service Brake	Spring Applied Hydraulically Released brakes (SAHR)
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Tires	18.00R25 (Tires are application approved. Brand subject to availability.)
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Electric System	Battery	System Voltage	Lights (LED)
	2 x 180 A	24 V	3 Front, 4 Rear, 1 Side

Hydraulic System			
Main Pump (Steering-Dump Box)	Heavy Duty Gear	Pump (Brake)	Gear Type
Manual Hydraulic Tank Fill Pump	✓	Pump (Fan)	Gear Type
Filtration Type	Suction, Return		

MAIN FEATURES

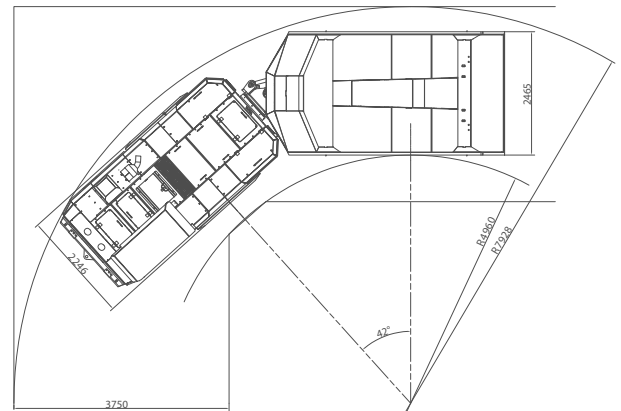
Control System	Type
	Pilot Controlled

Canopy	
Steering	Steering Wheel
Closed Canopy	✓
Rear View Camera Display in Operator Cabin	✓
Air Conditioning System and Heating System	Optional

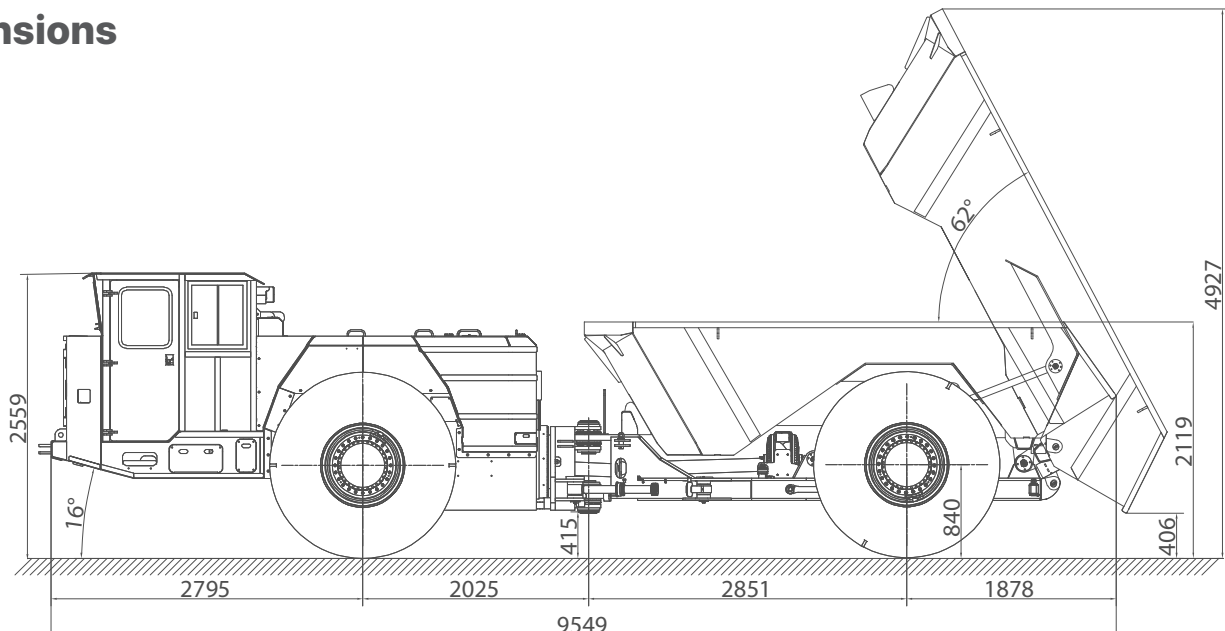
Chassis and Dumper	
High Durability Steel	✓
Abrasion-Resistant Dumper	✓
Abrasion-Resistant Pins and Bearings	✓

Various Options	
Reverse Movement Audible Alarm	✓
Air Filtration	Dry Type - Two Stage Filtration
Fire Extinguisher	✓
Automatic Fire Suppression System	Optional
Manual Lubrication System	✓
Automatic Central Lubrication	Optional
Media Pack	Optional
Winter Kit	Optional

Certificates	
CE	✓
EN ISO 3471:2008 ROPS	✓
EN ISO 3449:2008 FOPS	✓
EAC	✓



Dimensions









TALPA MINING INC.

UNDERGROUND MINING MACHINERY PRODUCT BROCHURE EN



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