

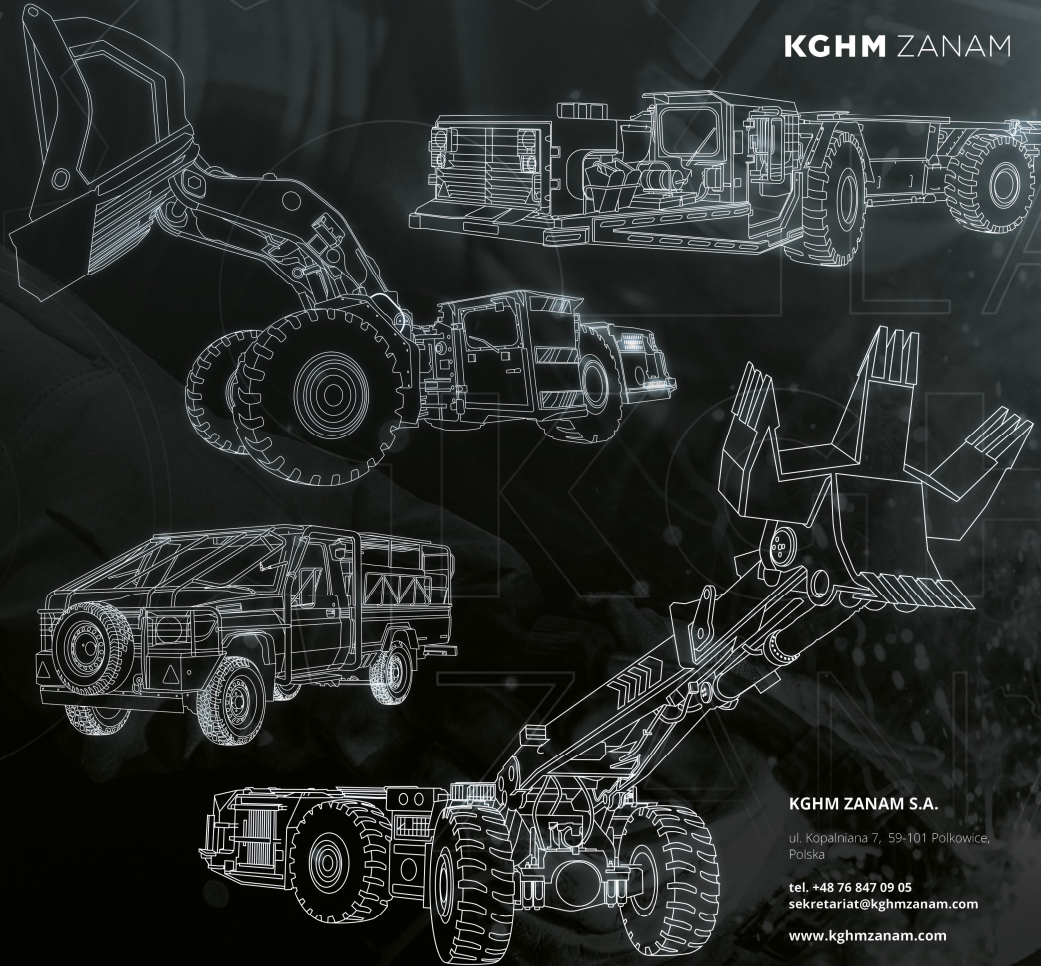


**KGHM ZANAM S.A.** is one of the largest manufacturers of machinery and equipment for the mining sector in Poland.

The company also produces equipment used in handling systems, transport units, and open-pit coal and stone mines.

Additionally, it is a significant manufacturer of a wide range of steel and iron castings.

Additionally, apart from a wide range of high-quality products, **KGHM ZANAM S.A.** provides EPC investments, service work, maintenance and commissioning. The company also offers specialized services within mining facilities, including mining services, blasting services, machine servicing, and underground transportation services.



**KGHM ZANAM**

**KGHM ZANAM S.A.**

ul. Kopalniana 7, 59-101 Polkowice,  
Polska

tel. +48 76 847 09 05  
sekretariat@kghmzanam.com

[www.kghmzanam.com](http://www.kghmzanam.com)



## LOADERS AND HAUL TRUCKS



**KGHM ZANAM**

# LKP-0903 LOADER



## Technical specification

Length	10 600 mm
Width	3 150 mm
Height	1 750 mm/2 100 mm
Total weight:	30 200 kg
Bucket capacity:	4.6 m <sup>3</sup>
Lifting capacity:	90 kN
Engine power:	185 kW
Euro emission standard:	Stage V
Driving speed:	1st gear 4.5 km/h 2nd gear 9.0 km/h 3rd gear 14.0 km/h 4th gear 19.0 km/h

The LKP-0903 loader manufactured by KGHM ZANAM S.A. is a modern machine designed for the toughest mining conditions. Benefiting from the company's rich experience in handling high tech solutions, this very loader has proven its reliability in underground mines through its unmatched dependability, as well as peak efficiency and safety. The rated lifting capacity of the machine is 90 kN and it is equipped with a low-emission Cummins 6.7L STAGE 5 engine, which combines high power with ecological solutions, meeting the latest emission standards.

The machine is designed for loading and transporting of material excavated from mine faces in underground excavations. It is a proven design that has been successfully operating in KGHM mines for almost 20 years, proving its durability and reliability in the most difficult conditions.

Operator's comfort and safety were priorities when designing of the machine. The spacious, air-conditioned cab was designed with ergonomics and comfort in mind, ensuring optimum conditions even in the demanding mining environment. The solid design of the cab also guarantees a high level of Operator's protection – it protects against crushing in the event of a vertical impact with energy of up to 60 kJ.

MODEL	LENGTH [mm]	WIDTH [mm]	HEIGHT [mm]	TOTAL WEIGHT [kg]	BUCKET CAPACITY [m <sup>3</sup> ]	LIFTING CAPACITY [kN]	ENGINE POWER [kW]	EURO EMISSION STANDARD [STAGE]	
4 Series	LK-1M **	8800	2400	2200	15100	2.0	40	86,5	STAGE III A
	LD4	8800	2760	1750/1800	15900	2.0	40	99	STAGE V
7 Series	LD7	8900	2800	2200/2500	21700	3.3	68	168	STAGE V
	LD8	10000	3120	1750/2100	28000	3.5	80	168	STAGE V
9 Series	LKP-0900B	10300	3300	1500/1750	30200	3.8/4.2	90	168	STAGE V
	LKP-0903	10600	3150	1750/2100	30200	4.0/4.5/4.6	90	168	STAGE V
10 Series	LD10	9800	3290	1850/2050	30900	4.3	100	225	STAGE V
	LD10N*	9800	2650	2320	30900	4.3	100	225	STAGE V
17 Series	LD17	11500	3380	2350	48600	8.6	172	330	STAGE V
	LD17N*	11500	3060	2700	48600	8.6	172	330	STAGE V

\* project in progress

\*\* available outside Europe

# HT20 HAUL TRUCK



The HT20 haul truck is designed for hauling of material excavated from mine faces in methane-free mines extracting non-ferrous metal ores and/or minerals. These machines are equipped with STAGE V engines.

The HT20 truck comes with a protective cub assuring operator's safety up to a 60-kJ impact vertical force crash resistance.

This is an optional system equipped with additional hydraulic motors built into the hubs; under normal conditions, the drive is transmitted only to the drive axle, and in the event of loss of traction, the machine operator has the option of engaging the additional drive by transmitting torque to the hubs.

Good stability and the appropriately selected drive system make it possible to use the truck for deposits with a longitudinal inclination (in the direction of travel) of up to 8° and in excavations with a transverse inclination of up to 5° (for two-wheel drive) and 15° and 5° (for four-wheel drive), respectively.

KGHM ZANAM

## Technical specification

Length	10 300 mm
Width	3440 mm
Height	1900 mm / 2000 mm / 2100
Total weight:	26 320 kg
Working unit capacity:	11.1 m <sup>3</sup>
Working unit lifting capacity:	20 Mg
Engine power:	168 kW
Euro emission standard:	Stage V
Driving speed:	1st gear 5.0 km/h 2nd gear 9.0 km/h 3rd gear 15.0 km/h 4th gear 22.0 km/h



MODEL	LENGTH [mm]	WIDTH [mm]	HEIGHT [mm]	TOTAL WEIGHT [kg]	CAPACITY OF THE WORKING ELEMENT [m <sup>3</sup> ]	WORKING UNIT LIFTING CAPACITY [Mg]	ENGINE POWER [kW]	EURO EMISSION STANDARD [STAGE]
DT20*	9365	2300	2500	20000	10	20	194	STAGE V
HT20	10300	3350/3440	1900/2000/2100	27100	11,1	20	168	STAGE V
HT24	10550	3450/3650	1900/2000/2100	28510	13,5	24	168	STAGE V
HT24e*	10550	3600	1900	30000	13,5	24	-	ELECTRIC

\* project in progress