

# mining shovel EKG-35

 URALMASHPLANT

Rated payload 63 tons

Bucket capacity range from 26 to 40 m<sup>3</sup>

Dumping into 220 to 450 ton capacity trucks

Bucket geometry provides  
for better volume efficiency

Low operating costs



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## Specifications

The machine is designed for heavy mining and climatic conditions and is recommended for round-the-clock mining of heavy rocky soils.

### Design features of EKG-35:

- Rack-type crowd mechanism and double-beam stick design provide for the efficient operation, high performance, and easy planning of the machine working area;
- Double-track crawler with open large rollers ensures high maneuverability;
- Design calculations performed in modern software using comprehensive operating data;
- Packaged AC drive system «Frequency converter – Induction motor» provides for the efficient operation, energy economy, and prevention of influence on the pit power supply network;
- Advanced information system and automatic protection system ensure comfort conditions for the machine operator, provide for the safety of operation, and allow integrating the machine into the pit supervision system.
- The operator's cabin meets the requirements of latest ergonomical standards and highest comfort demands;
- High service life of machinery provides for long-term efficient and low-cost operation.

The Customer services include guaranteed and post-guarantee repairs and training the Customer's personnel in operating the equipment.

Parameter	EKG-35
Bucket capacity range, m <sup>3</sup>	24...40
Maximum digging reach, m	25.5
Digging reach at machine-base level, m	17.9
Maximum digging height, m	19.3
Maximum dumping reach, m	22.2
Maximum dumping height, m	12.3
Rear part radius, m	11.0
Rotary platform clearance	3.5
Crawler track length, m	13.8
Crawler track width, mm	2000
Average specific ground pressure, MPa	0.273
Maximum bucket hanger force, kN	2650
Design cycle duration, s	30
Max. gradeability, rad. (degrees)	0.2 (12)
Propel speed, km/h	1.08
Power supply voltage	6
Drive type	Frequency converter – Induction motor
Transformer power, kVA	2500
Working weight, t	1230

