

**Mining and mineral-processing equipment.
 Bucket-wheel excavators**



NKMZ bucket-wheel excavators have established themselves as highly reliable mining vehicles. 70% of stripping operations in the quarries of Ukraine and CIS countries are carried out by NKMZ excavators.

The designs of excavators currently being produced have absorbed 40 years of experience in the design, production and operation.

Bucket-wheel excavator specification

Parameter	Value/model								
	ЭР-800Г	ЭР-1500	ЭР-3000	ЭР-3500M	ЭРШР-4500/21	ЭРШР-4500/25	ЭРШР-4500/30	ЭРШР-5250	ЭРШР-7000
Estimated capacity, m ³ /h	800	1500	3000	3500	4500	4500	4500	5250	7000
Digging height, m	12-13	16-17	20	23	21	25	30	33	37
Digging depth, m	0,5	1,7	2,0	1,8	2,0	3,0	3,0	2,6	3,0
Bucket-wheel diameter, m	5	6,8	8,6	10,6	11	12,5	12,5	16,5	16,5
No. of buckets, pcs	20	12	16	16	16	16	16	16	16
Width of conveyor belt, m	1,2	1,2	1,6	1,8	1,8	1,8	1,8	2,0	2,0
Belt speed, m/s	3,3	4,3	3,5	4,0	4,5	4,5	4,5	4,5	4,5
Machine travelling speed, m/h	450	480	540	480	120	120	120	120	120
Operation platform angle, deg.:									
- under operation	3	3	3	3	1:20	1:20	1:20	1:20	1:20
- transportable	5-7	5	5	5	1:10	1:10	1:10	1:10	1:10
Pressure on the ground, kg/cm ²	1,3	1,2	1,2	1,25	1,08	1,09	1,12	1,4	1,5
Voltage input, kW	6	6	6	6	6	6	6	6	6
Bucket-wheel drive power, kW	320	320	800	800	1000	1000	1000	2x500	2x630
Weight of excavator, t	380	710	1140	1280	1470	2020	2270	3760	4370