

Private Joint-Stock Company  
 NOVOKRAMATORSKY MASHINOSTROITELNY ZAVOD  
 Mining and Mineral-Processing Equipment  
**Walking draglines**



Walking draglines feature the full-revolving electric-operated earth-moving walking machines fitted with dragline working equipment.

All walking draglines are designed to excavate soils of the 1-st to 4-th categories of hardness inclusively when carrying out overburden operations through the use of the vehicle-free technology with the rock being disposed either to the worked-out area or on the opencast flank. In so doing soils of the 3-rd and 4-th categories shall be preliminarily loosened by blasting.

These draglines can be used for mine stripping in the mining industry as well as during construction of hydraulic structures.

In addition walking draglines Esh-11-70-U, Esh -14-50-U and Esh-10-50 may be used for loading in a transport upon condition of observance of safety rules during loading according to technical conditions TY 24.00.3031-90.

Low soil pressure characteristics and high maneuverability enable to operate them on soft ground and in confined spaces.

**WALKING DRAGLINES TECHNICAL CHARACTERISTICS**

Parameters	ESh 6,5-45- M-U	ESh 11-70- U	ESh 14-50-U	ESh 10-50	ESh 15-80-U	ESh 20-65- U	ESh 10-100- U	ESh 15-90- N	ESh 20-90-N
Bucket capacity, m <sup>3</sup>	6,5	11	14	10	15	20	10	15	20
Boom length, m	45	70	50	50	80	65	100	90	90
Digging radius (max), m	43,5	66,5	46,5	46,5	76,5	61	93,5	83	42,5
Digging depth (max), m	22	35	21	21	40	32	50	43	38,5
Discharge height (max), m	19,5	27,5	20,5	20,5	32	27	42	37	38,5
Travel speed, km/h	0,133	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2
Average soil pressure, kPa:									
- during operation	58,8	95,7	82,84	82,84	98	88,2	98	100	105
- during walking	107,8	153,9	133,2	133,2	147	132,3	147	150	196
Maximum gradient during walking, degree	10	10	10	10	10	10	10	10	10
Theoretical output, m <sup>3</sup> /h	557	754	1292	923	931	1385	600	900	1200