

The proposal for practical implementation of the
"КБ "ГАРНІ МАШИНИ" ("KB "HARNI MASZYNY")
(<http://rozrobkinauchni.vsocorp.org/>). E-mail: kbgarmasch@ukr.net
моб. тел. +38 095 466 23 89; +38 096 074 06 49



Rope two-drum feed part (winch) for moving mining coal combines operating on steeply inclined and steep coal seams: 1ЛГКН

Names of basic parameters and sizes	The main design of the winch
	1ЛГКНМ2Е
1. Traction force on the last layer of winding, kN, no more	104
on the working rope, kN	92
on a safety rope, kN	12
2. Traction force on the middle layer of winding, kN	130
on the working rope, kN	115
on a safety rope, kN	15
3. The holding force on the last layer of the safety rope, kN, no more	115
4. Average rope speed, m/min:	
first	0,76
second	1,33
third	1,95
fourth (shunting)	5,9
5. Rope diameter, mm	22,5; 24; 25,5
recommended diameter, mm	24
6. Rope capacity of drums (at a rope diameter of 25,5 mm), m, not less	185
7. Installed motor power, kW	15
8. Nominal mains voltage at a frequency of 50 Hz, V	500; 600
9. Overall dimensions, mm, no more	
length	3100
width	730
height	1070
10. Weight, kg, no more	3300
11. Weight of a delivery set, kg, no more	3350

A separate feed machine (winch) is used to operate coal mining combines in conditions of steeply inclined and steep coal seams.

This winch has 6 versions: 3 for the electric version and 3 for the pneumatic version. Accordingly, there are versions with one rope drum for technological work.

The main technical data for the electric double-drum version are given in the following table.

