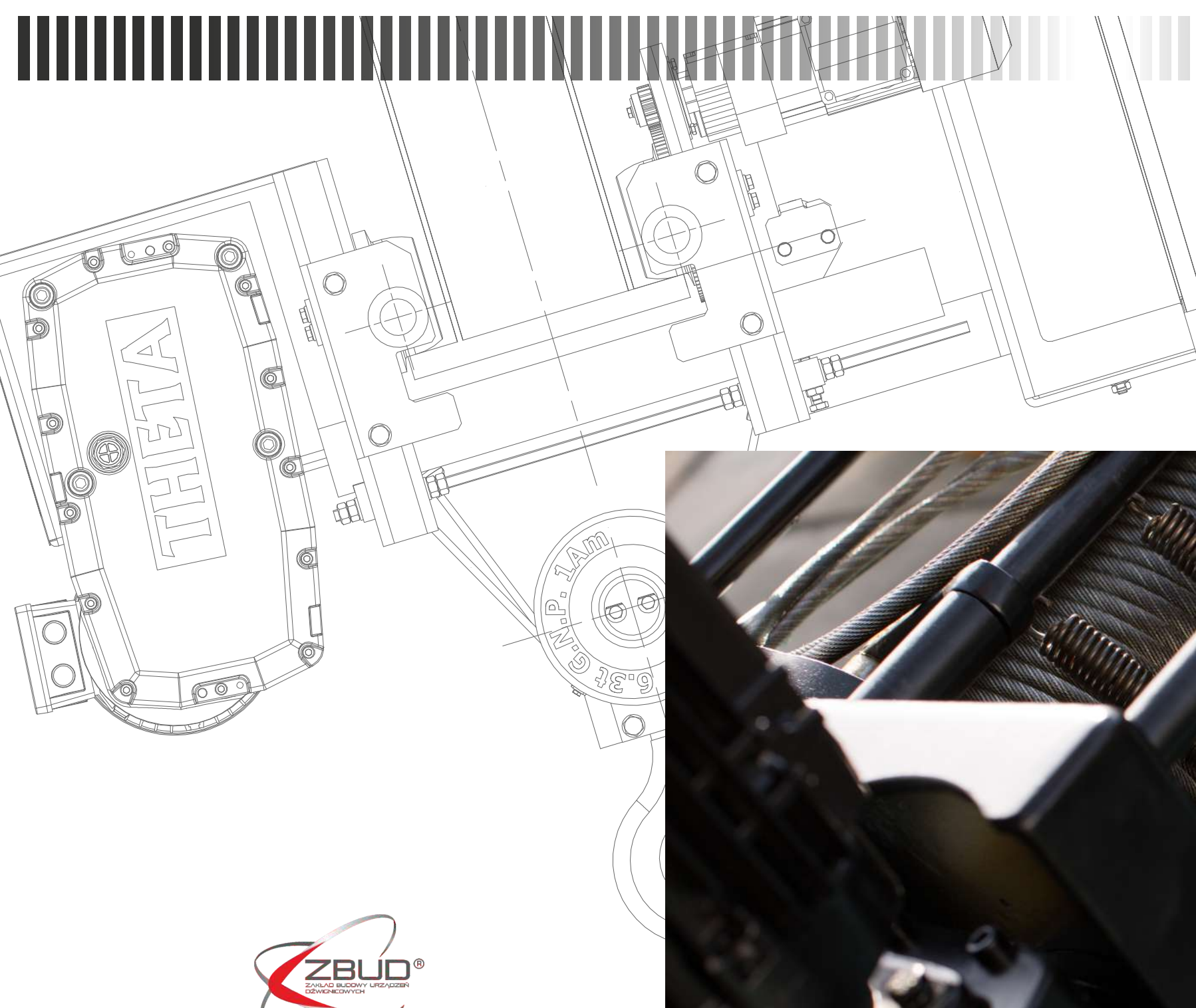




ZAKŁAD BUDOWY URZĄDZEŃ DŹWIGNICOWYCH



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WINCHES

Our knowledge and experience - Your best choice!

ELECTRIC WINCH FOR PULLING AND LIFTING



ZAKŁAD BUDOWY URZĄDZEŃ
DŹWIGNICOWYCH

ELECTRIC WINCH TYPE WEL

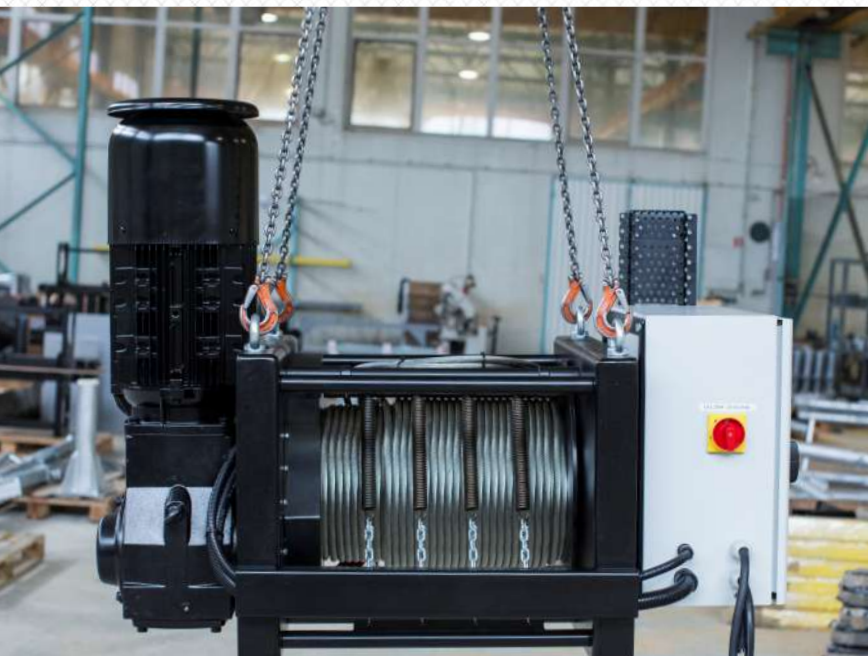
- 3 ELECTRIC WINCH TYPE WEL1000
- 5 ELECTRIC WINCH TYPE WEL 2000
- 9 ELECTRIC WINCH TYPE WEL 3000
- 11 ELECTRIC WINCH TYPE WEL 4000
- 13 ELECTRIC WINCH TYPE WEL 5000

ELECTRIC WINCH TYPE PEL

- 17 ELECTRIC WINCH TYPE PEL



ELECTRIC WINCH TYPE WEL



ELECTRIC WINCH TYPE WEL - 1000/VP/LB

Compact design.
Possibility of adapting the fastening to existing constructions.
Variable drive solutions-also powered with the use of frequency inverter.
Alternatively with the decoupling system - for better uncoiling of the rope.
A wide range of customization - lifting capacities and rope length.
Available provided with directional pulleys.
On request marine/offshore coating system.

STANDARD DESIGN:

Power supply 400V.
Control voltage 48V.
Flat drum.
Power supply cable L=2m equipped with 15kW plug.
Temperature range +5° to +40°.
Finished with epoxy powder paint RAL 9005.
Drum pressure roller.
Rotary limit switch.
Electric overload protection.

ON REQUEST:

Power supply 230V.
Variable control Voltage i.e 24V .
Grooved drum.
Radio control.
Variable painting.
Equipped with frequency inverter.
Marine execution.
Adapted for underground mines.
Higher capacities on request.
Directional pulleys.

ELECTRIC WINCH TYPE WEL

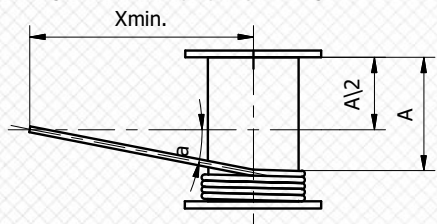
BASIC PARAMETERS			
LIFTING CAPACITY*	Q	[kg]	1000
POWER SUPPLY	Uz	[V]	400
CONTROL VOLTAGE	Us	[V]	48
ROPE DIAMETER	Ø	[mm]	8
FEM	GNP		2Am (A5)

Total drum storage Lb [m]	Weight of winch with rope excl. drive mw[kg]	A [mm]	B [mm]	C [mm]	X min. [m]
10	76	160	300	340	2,3
20	78	160	300	340	2,3
30	80	160	300	340	2,3
40	88	210	350	390	3,0
50	95	250	390	430	3,5
60	102	295	435	475	4,2
70	109	335	457	515	4,8
80	108	295	435	475	4,2
90	114	335	475	515	4,8
100	120	365	505	545	5,2

Rope speed vp [m/min]	Motor power P[kW]	Drive weight mn[kg]
2	0,37	30
3	0,55	33
4	0,75	34
6	1,1	39
8	1,5	41
12	2,2	49

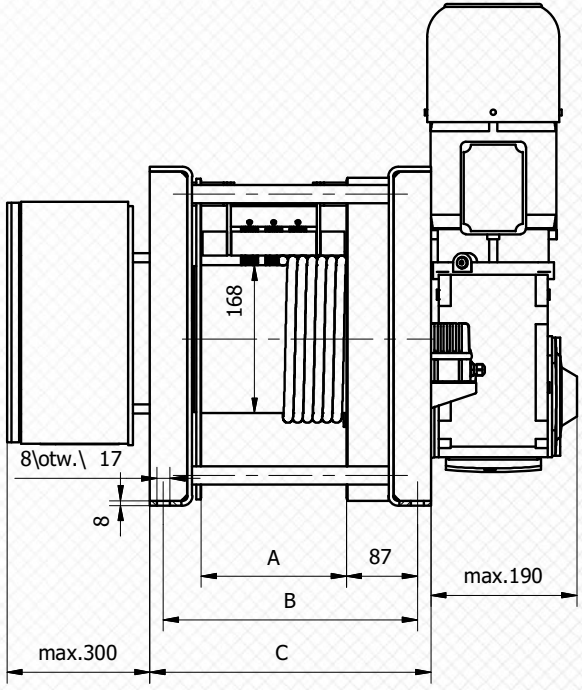
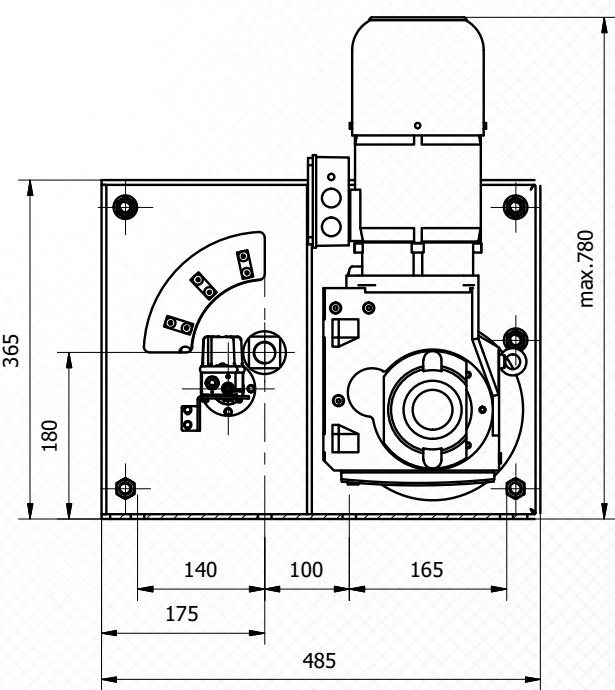
*Lifting capacity on each layer.

Dwg. Condition for propr rope arrangement.



The lateral rope deviation relative to the perpendicular to the drum axis should not exceed $\alpha=2^\circ$

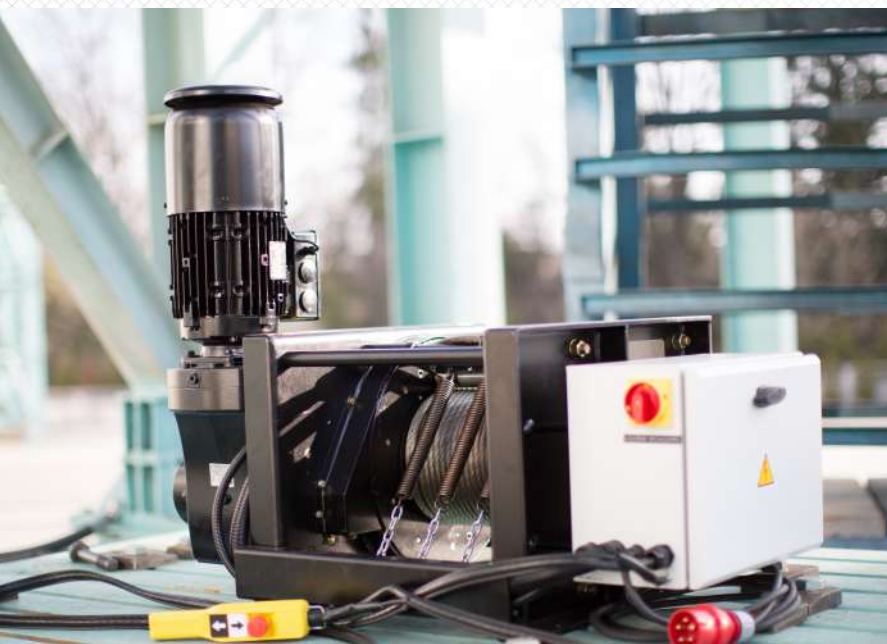
Ex-proof desing on request 



Dwg.1 Basic dimensions.

Exemplary request: Typ WEL 1000/vp/Lb

ELECTRIC WINCH TYPE WEL



ELECTRIC WINCH TYPE WEL - 2000/VP/LB

Compact design.
Possibility of adapting the fastening to existing constructions.
Variable drive solutions-also powered with the use of frequency inverter.
Alternatively with the decoupling system - for better uncoiling of the rope.
A wide range of customization - lifting capacities and rope length.
Available provided with directional pulleys.
On request marine/offshore coating system.

STANDARD DESIGN:

Power supply 400V.
Control voltage 48V.
Flat drum.
Power supply cable L=2m equipped with 15kW plug.
Temperature range +5° to +40°.
Finished with epoxy powder paint RAL 9005.
Drum pressure roller.
Rotary limit switch.
Electric overload protection.

ON REQUEST:

Power supply 230V.
Variable control Voltage i.e 24V .
Grooved drum.
Radio control.
Variable painting.
Equipped with frequency inverter.
Marine execution.
Adapted for underground mines.
Higher capacities on request.
Directional pulleys.

ELECTRIC WINCH TYPE WEL

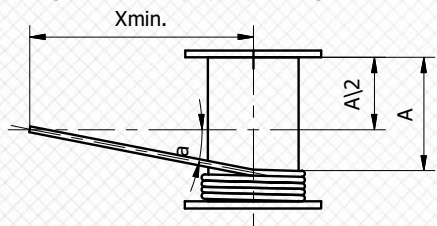
BASIC PARAMETERS		
LIFTING CAPACITY*	Q [kg]	2000
POWER SUPPLY	Uz [V]	400
CONTROL VOLTAGE	Us [V]	48
ROPE DIAMETER	Ø [mm]	11
FEM	GNP FEM	1Am (A4)

Total drum storage Lb [m]	Weight of winch with rope excl. drive mw [kg]	A [mm]	B [mm]	C [mm]	X min. [m]
10	122	220	360	400	3,1
20	176	220	360	400	3,1
30	181	220	360	400	3,1
40	192	275	415	455	3,9
50	203	330	417	510	4,7
60	216	395	535	575	5,6
70	226	450	590	630	6,4
80	226	375	515	655	5,4
90	236	420	560	600	6,0
100	243	460	605	645	6,6

Rope speed vp [m/min]	Motor power P [kW]	Drive weight mn [kg]
2	0,75	49
3	1,1	52
4	1,5	54
6	2,2	58
8	3,0	61
12	4,0	70

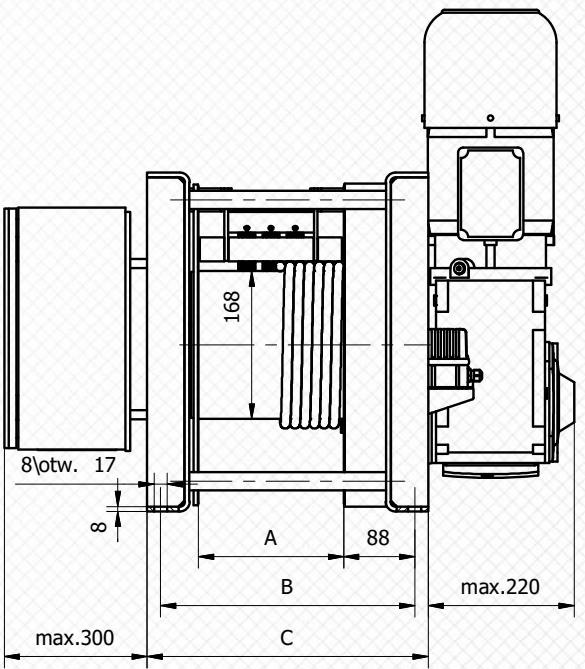
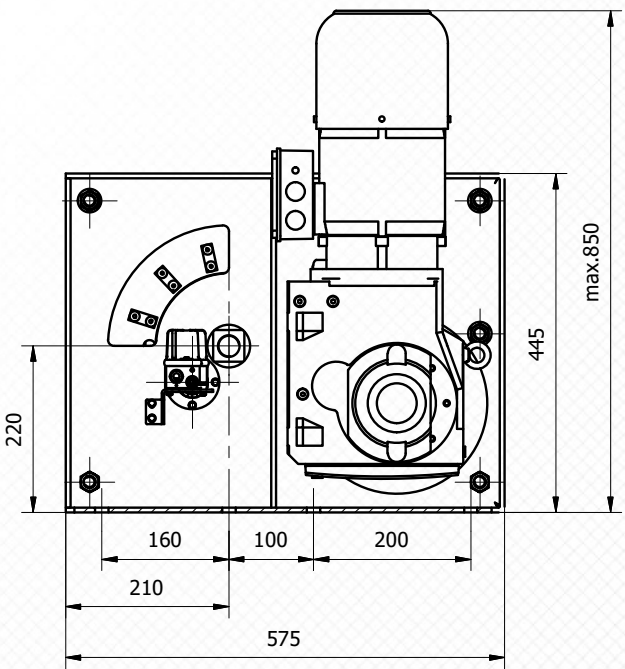
*Lifting capacity on each layer.

Dwg. Condition for propr rope arrangement.



The lateral rope deviation relative to the perpendicular to the drum axis should not exceed $\alpha=2^\circ$

Ex-proof desing on request 



Dwg.1 Basic dimensions.

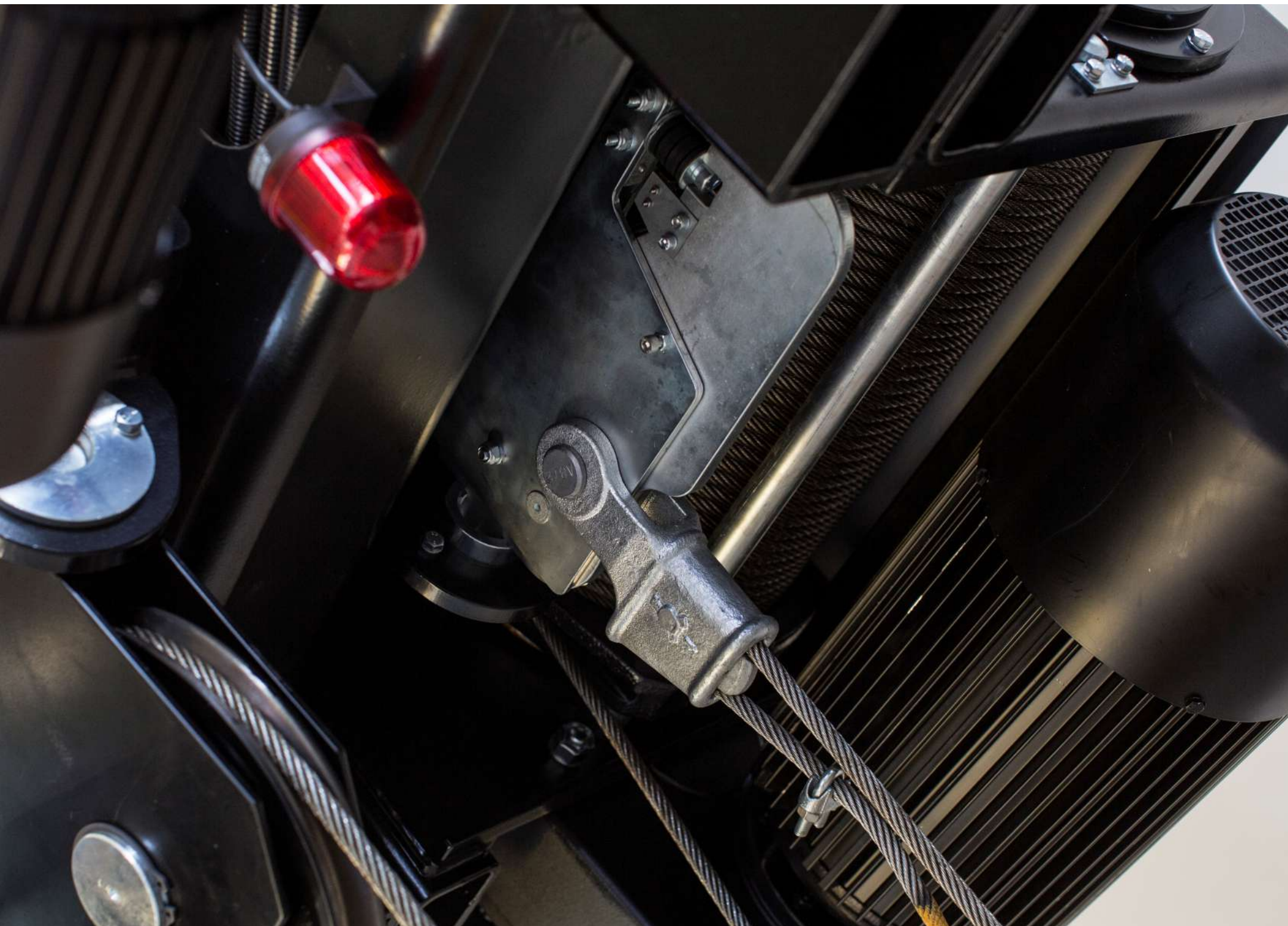
Exemplary request: Typ WEL 2000/vp/Lb

Our knowledge and experience - Your best choice!

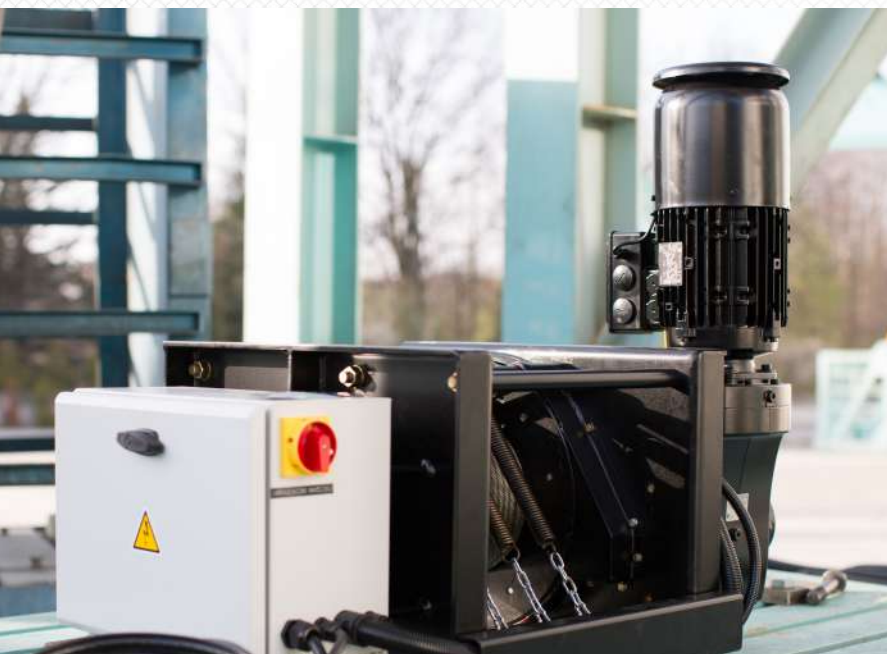
ELECTRIC WINCH FOR PULLING AND LIFTING



ZAKŁAD BUDOWY URZĄDZEŃ
DŹWIGNICOWYCH



ELECTRIC WINCH TYPE WEL



ELECTRIC WINCH TYPE WEL - 3000/VP/LB

Compact design.
Possibility of adapting the fastening to existing constructions.
Variable drive solutions-also powered with the use of frequency inverter.
Alternatively with the decoupling system - for better uncoiling of the rope.
A wide range of customization - lifting capacities and rope length.
Available provided with directional pulleys.
On request marine/offshore coating system.

STANDARD DESIGN:

Power supply 400V.
Control voltage 48V.
Flat drum.
Power supply cable L=2m equipped with 15kW plug.
Temperature range +5° to +40°.
Finished with epoxy powder paint RAL 9005.
Drum pressure roller.
Rotary limit switch.
Electric overload protection.

ON REQUEST:

Power supply 230V.
Variable control Voltage i.e 24V .
Grooved drum.
Radio control.
Variable painting.
Equipped with frequency inverter.
Marine execution.
Adapted for underground mines.
Higher capacities on request.
Directional pulleys.

ELECTRIC WINCH TYPE WEL

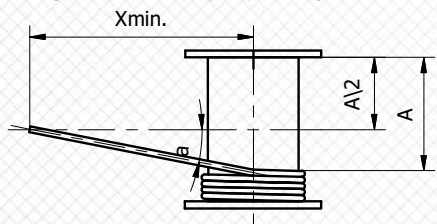
BASIC PARAMETERS			
LIFTING CAPACITY*	Q	[kg]	3000
POWER SUPPLY	Uz	[V]	400
CONTROL VOLTAGE	Us	[V]	48
ROPE DIAMETER	Ø	[mm]	13
FEM	GNP	FEM	1Am (A4)

Total drum storage Lb [m]	Weight of winch with rope excl. drive mn [kg]	A [mm]	B [mm]	C [mm]	X min. [m]
10	166	210	375	425	3
20	166	210	375	425	3
30	166	210	375	425	3
40	172	260	425	475	3,7
50	178	315	480	530	4,5
60	186	380	515	595	5,4
70	191	430	595	645	6,2
80	186	380	545	695	5,4
90	191	430	595	645	6,2
100	193	445	610	660	6,4

Rope speed vp [m/min]	Motor power P [kW]	Drive weight mn [kg]
2	1,1	58
3	1,5	60
4	2,2	69
6	3	72
8	4	82
10	5,5	95

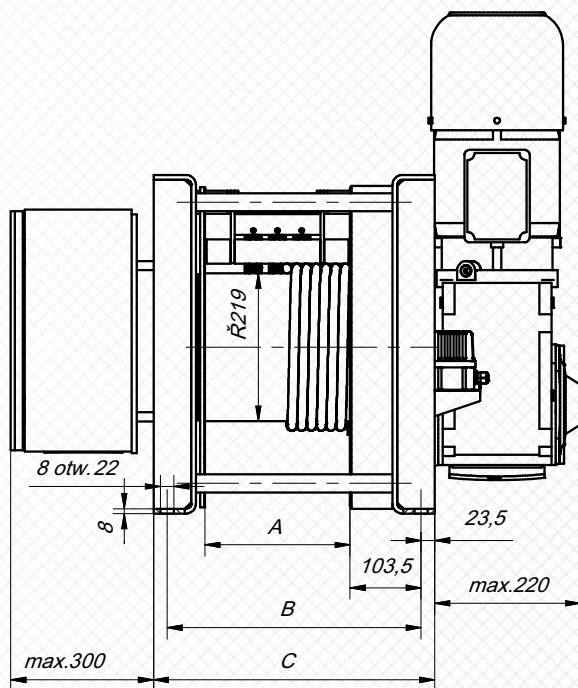
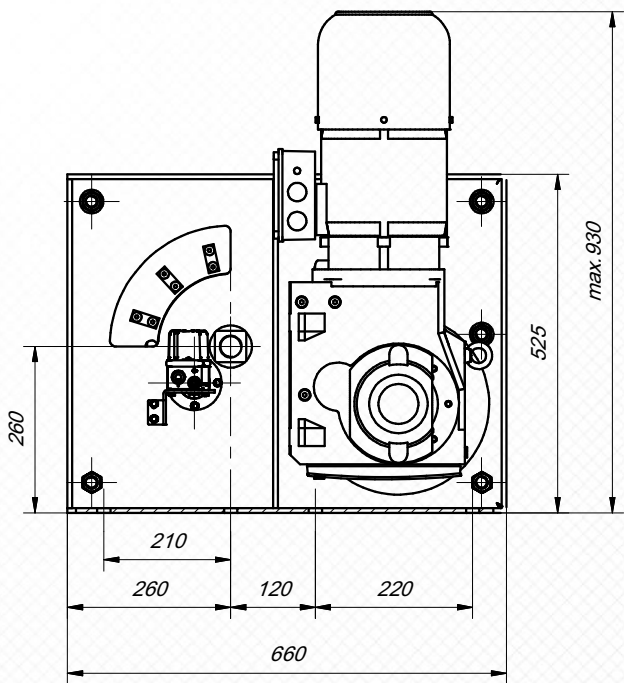
*Lifting capacity on each layer.

Dwg. Condition for propr rope arrangement.



The lateral rope deviation relative to the perpendicular to the drum axis should not exceed $\alpha=2^\circ$

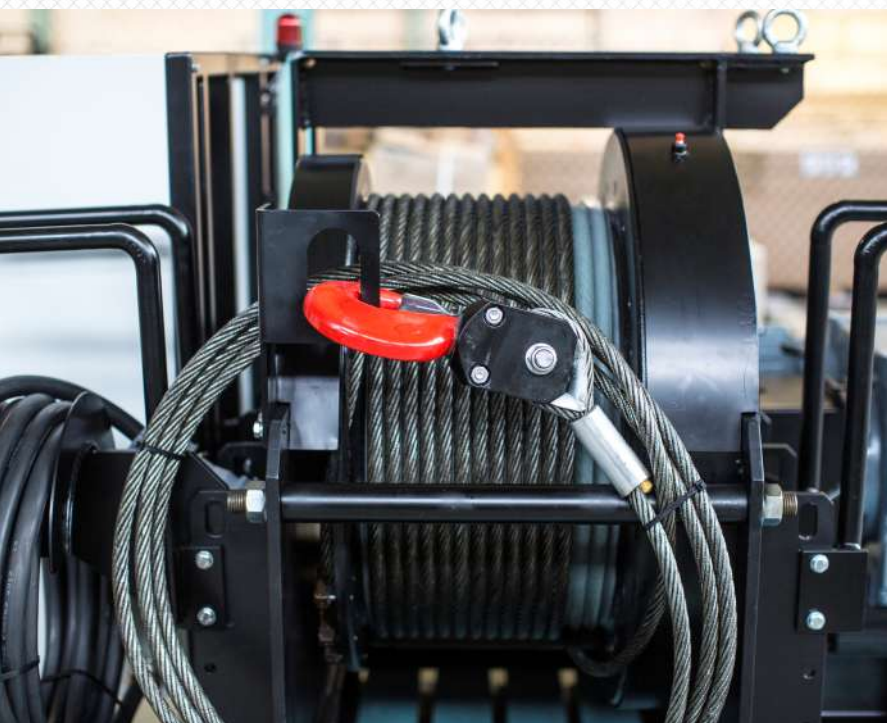
Ex-proof desing on request



Dwg.1 Basic dimensions.

Exemplary request: Typ WEL 3000/vp/Lb

ELECTRIC WINCH TYPE WEL - 4000/VP/LB



ELECTRIC WINCH TYPE WEL - 4000/VP/LB

Compact design.
Possibility of adapting the fastening to existing constructions.
Variable drive solutions-also powered with the use of frequency inverter.
Alternatively with the decoupling system - for better uncoiling of the rope.
A wide range of customization - lifting capacities and rope length.
Available provided with directional pulleys.
On request marine/offshore coating system.

STANDARD DESIGN:

Power supply 400V.
Control voltage 48V.
Flat drum.
Power supply cable L=2m equipped with 15kW plug.
Temperature range +5° to +40°.
Finished with epoxy powder paint RAL 9005.
Drum pressure roller.
Rotary limit switch.
Electric overload protection.

ON REQUEST:

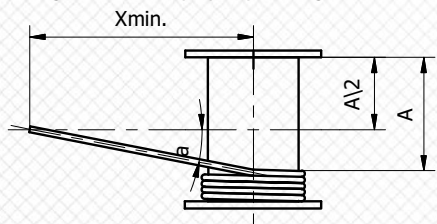
Power supply 230V.
Variable control Voltage i.e 24V .
Grooved drum.
Radio control.
Variable painting.
Equipped with frequency inverter.
Marine execution.
Adapted for underground mines.
Higher capacities on request.
Directional pulleys.

ELECTRIC WINCH TYPE WEL

BASIC PARAMETERS			
LIFTING CAPACITY*	Q	[kg]	4000
POWER SUPPLY	Uz	[V]	400
CONTROL VOLTAGE	Us	[V]	48
ROPE DIAMETER	Ø	[mm]	14
FEM	GNP	FEM	1Am (A4)

*Lifting capacity on each layer.

Dwg. Condition for propr rope arrangement.

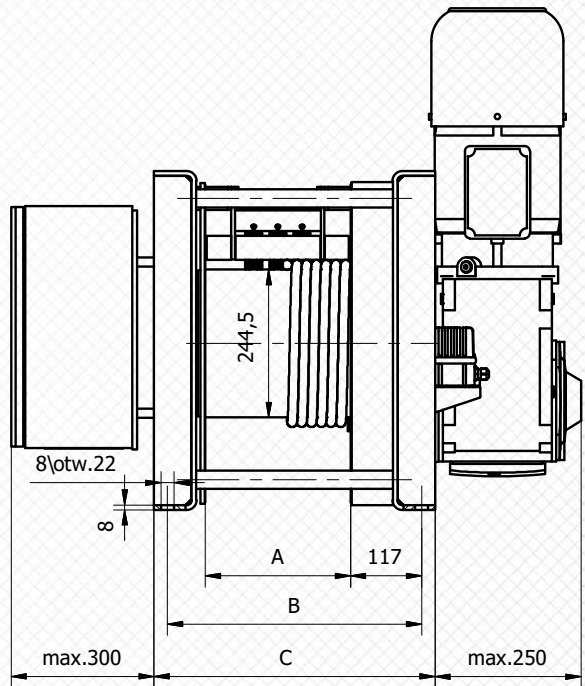
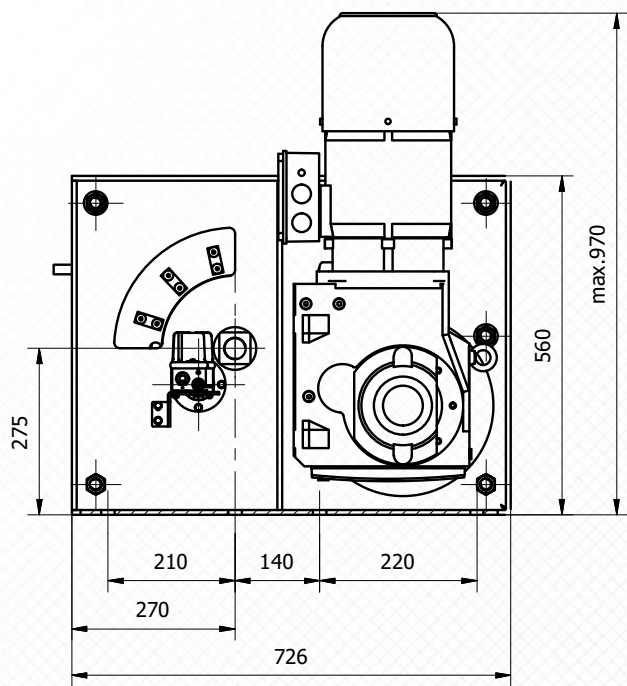


The lateral rope deviation relative to the perpendicular to the drum axis should not exceed $\alpha=2^\circ$

Total drum storage Lb [m]	Weight of winch with rope excl. drive m [kg]	A [mm]	B [mm]	C [mm]	X min. [m]
10	201	210	390	435	3
20	209	210	390	435	3
30	217	210	390	435	3
40	236	270	450	495	3,8
50	250	310	490	535	4,4
60	267	365	545	590	5,2
70	283	420	600	645	6
80	281	350	530	575	5
90	297	395	575	620	5,6
100	312	435	615	660	6,2

Rope speed vp [m/min]	Motor power P [kW]	Drive weight mn [kg]
2	1,5	72
3	2,2	76
4	3	79
5	4	88
7	5,5	102
10	7,5	113
12	9,2	120

Ex-proof desing on request 



Dwg.1 Basic dimensions.

Exemplary request: Typ WEL4000/vp/Lb

ELECTRIC WINCH TYPE

ELECTRIC WINCH TYPE WEL - 5000/VP/LB

Compact design.
Possibility of adapting the fastening to existing contructions.
Variable drive solutions-also powered with the use of frequency inverter.
Alternatively with the decoupling system - for better uncoiling of the rope.
A wide range of customization - lifting capacities and rope lengh.
Available provided with directional pulleys.
On request marine/offshore coating system.

STANDARD DESIGN:

Power supply 400V.
Control voltage 48V.
Flat drum.
Power supply cable L=2m equipped with 15kW plug.
Temperature range +5° to +40°.
Finished with epoxy powder paint RAL 9005.
Drum pressure roller.
Rotary limit switch.
Electric overload protection.

ON REQUEST:

Power supply 230V.
Variable control Voltage i.e 24V .
Grooved drum.
Radio control.
Variable painting.
Equipped with frequency inverter.
Marine execution.
Adapted for underground mines.
Higher capacities on request.
Directional pulleys.

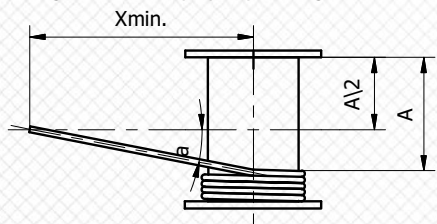
BASIC PARAMETERS			
LIFTING CAPACITY*	Q	[kg]	5000
POWER SUPPLY	Uz	[V]	400
CONTROL VOLTAGE	Us	[V]	48
ROPE DIAMETER	Ø	[mm]	16
FEM	GNP	FEM	1Bm (A3)

Total drum storage Lb [m]	Weight of winch with rope excl. drive m [kg]	A [mm]	B [mm]	C [mm]	X min. [m]
10	225	240	420	465	3,5
20	235	240	420	465	3,5
30	245	240	420	465	3,5
40	265	290	470	515	4,2
50	290	355	535	580	5,1
60	306	470	600	645	6
70	325	465	645	690	6,6
80	325	400	580	625	5,7
90	340	435	615	660	6,2
100	360	480	660	705	6,9

Rope speed vp [m/min]	Motor power P[kW]	Drive weight mn[kg]
2	2,2	90
3	3	93
4	4	103
6	5,5	116
8	7,5	143
10	9,2	153
12	11	162

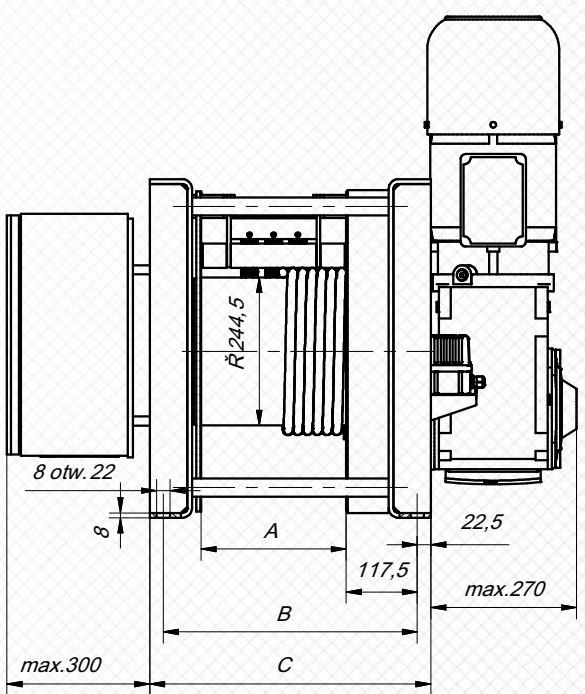
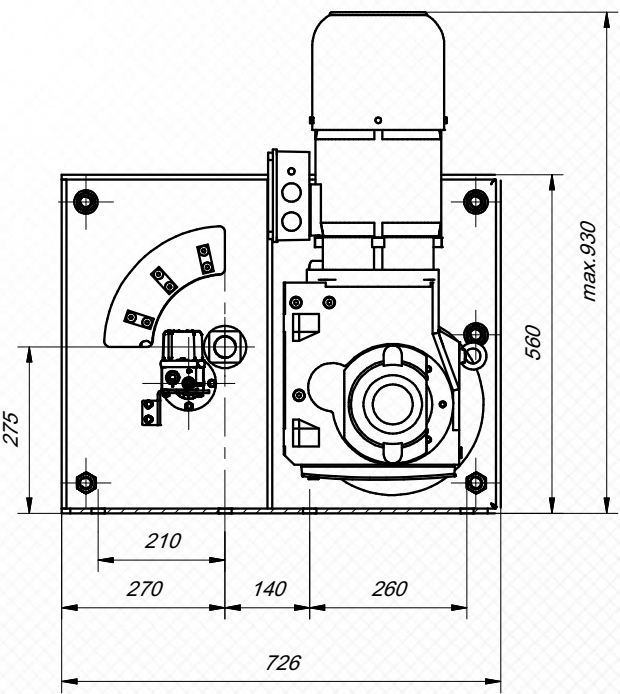
*Lifting capacity on each layer.

Dwg. Condition for propr rope arrangement.



The lateral rope deviation relative to the perpendicular to the drum axis should not exceed $a=2^\circ$

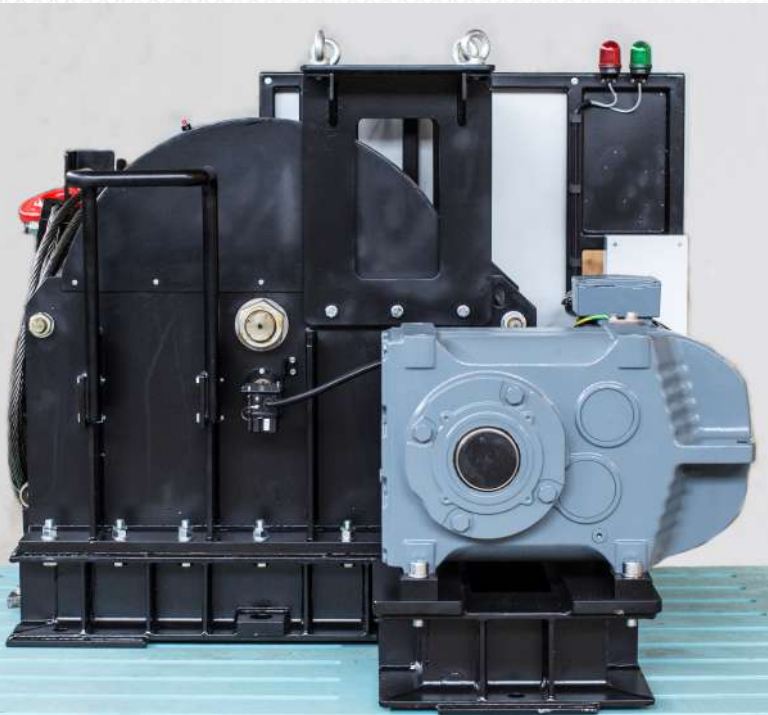
Ex-proof desing on request



Dwg.1 Basic dimensions.

Exemplary request: Typ WEL 5000/vp/Lb

ELECTRIC WINCH FOR PULLING AND LIFTING



ELECTRIC WINCH TYPE PEL

Designed for vertical transport within capacities and work groups.
Designed for indoor use.
Outdoor use only when assuring protection from direct precipitation.
Designed for wide temperature range.
Applicable for production lines in foundries , concrete prefabrication facilities, moving transport carts and railroad trays*.

*In case of railroad transport application may require additional registration by adequate authorities.

*On request - power supply 230V.
Technical specification acc.to electric winch type WEL (page 3-14).*

STANDARD DESIGN:

Power supply 400V.
Control voltage 48V.
Flat drum.
Power supply cable L=2m equipped with 15kW plug.
Temperature range +5°C to +40°C .
Finished with epoxy powder paint RAL 9005.
Drum pressure roller.
Rotary limit switch.
Electric overload protection.

ON REQUEST:

Power supply 230V.
Grooved drum.
Radio control.
Variable painting.
Variable control Voltage i.e 24V .
Equipped with frequency inverter.
Split-drum.
Marine execution.
Adapted for underground mines.
Lifting capacities in range 1-5t.
Higher capacities on request.
Rope release.

Ex-proof desing on request 

Exemplary request: Typ PEL 1000/vp/Lb
Exemplary additional equipment: uncoupling the drum (manual rope uncoiling)



ELECTRIC WINCH TYPE PEL

