

Electric wire rope winch model RPE

Pulling force 250 - 1000 daN

The robust and extremely compact, practical cube design and universal rope lead-offs allow individual applications in almost any position.



Features

- Standard operating voltage 400 V, 50 Hz, 3-phase. 40% ED.
- Motors protected to IP 54.

Optional

- Different drum designs, e.g. extended to accommodate longer rope, machined grooves for exact reeling, with separation web and 2nd rope outlet for working with two ropes.
- Geared limit switches to limit rope motion in both directions.
- Single-phase A.C. motor 230 V, 50 Hz.
- Control by means of pendant control including control switch with emergency stop and 2 m long control cable.
- Contactor control with 42 V control voltage.
- Slack rope switch to automatically stop the winch when rope tension eases e.g. when the load touches down (only in combination with low voltage control).
- Frequency converter for stepless speed control.
- Adjustable slip clutch to protect the winch from overloading for models RPE 2-13, RPE 5-6 and RPE 5-12.
- Special design according to BGV C1 for theater stage applications available.

Technical data model RPE

Model	EAN-No. 4025092*	Pulling force*	Lifting speed*	Rope diameter	Motor	ED at 120 c/h	Useable rope length in the 1st layer	Useable rope length in the 2nd layer	Useable rope length in the 3rd layer	Useable rope length in the 4th layer	Weight without rope
		kg	m/min	mm	kW	%	m	m	m	m	kg
RPE 2-13	*071796	250	13.0	4	0.55	40	11.2	24.4	38.8	54.5	31.8
RPE 5-6	*071857	500	6.5	6	0.55	40	7.0	16.4	27.0	38.8	32.8
RPE 5-12	*071918	500	12.0	6	1.1	40	11.0	24.9	39.7	55.4	41.0
RPE 9-6	*071956	990	6.0	8	1.1	40	10.2	23.0	37.4	-	76.0
RPE 10-6**	*072014	1000	6.0	8	1.1	40	10.2	23.0	37.4	-	76.9

* In the top rope layer

** With slip clutch

Plain drum (longer useable rope length)

Model	Pulling force in top layer daN	Drum size	Max. rope length m
RPE 2-13 L	250	2	80
RPE 5-6 L	500	2	58
RPE 9-6/10-6 L	990/1000	2	56
RPE 2-13 XL	250	3	200
RPE 5-6 XL	500	3	140
RPE 5-12 XL	500	3	140
RPE 9-6/10-6 XL	990/1000	3	100

Grooved drum (recommended for single layer operation)

Model	Pulling force in top layer daN	Drum size	Rope length 1st layer m	Max. rope length m
RPE 2-13 R	250	1	8.8	43
RPE 5-6 R	500	1	6.2	33
RPE 9-6/10-6 R	990/1000	1	8.2	30
RPE 2-13 LR	250	2	13.3	64
RPE 5-6 LR	500	2	9.5	49
RPE 5-12 LR	500	2	9.5	49
RPE 9-6/10-6 LR	990/1000	2	12.9	47
RPE 2-13 XLR	250	3	35.3	165
RPE 5-6 XLR	500	3	25.7	128
RPE 5-12 XLR	500	3	25.7	128
RPE 9-6/10-6 XLR	990/1000	3	25.2	89

Dimensions model RPE

Model	RPE 2-13	RPE 5-6	RPE 5-12	RPE 9-6	RPE 10-6
A, mm	405	405	405	525	525
B, mm	375	375	375	485	485
C, mm	18	18	18	25	25
DTR, mm	76	76	76	108	108
Dmax, mm	104	118	118	148	148
DA, mm	150	150	150	180	180
E, mm	338	338	428	450	450
F, mm	210	210	300	270	270
G, mm	260	260	350	345	345
H, mm	290	290	380	380	380
I, mm	11	11	11	13	13
K, mm	250	250	250	340	340
L, mm	125	125	125	170	170
M, mm	6	6	6	10	10
N, mm	33	33	33	47.5	47.5
O, mm	194	194	284	250	250
P, mm	19	19	19	24	24
Q, mm	13	13	13	19	19
R, mm	125	125	125	170	170
S, mm	4	6	6	8	8
$\alpha 1, ^\circ$	130	130	130	145	145
$\alpha 2, ^\circ$	110	110	110	125	125
$\alpha 3, ^\circ$	40	40	40	50	50
$\beta 1, ^\circ$	150	150	150	155	155
$\beta 2, ^\circ$	90	90	90	100	100
$\beta 3, ^\circ$	80	80	80	83	83