Yale® RPE

Electric winch



Now also available with 2.000kg capacity!

COLUMBUS McKINNON

Yale® RPE

Winches series RPE are designed for performance, efficiency and safety and offer many advantages and options. RPE‘s compact, robust design and universal rope lead-offs allow individual applications in almost any position for lifting and pulling loads. The winches are designed to DIN 15020, classification 1 Bm/M3, safety regulation BGV D8 (winch, lift and pull equipment) and, of course, the EC machinery directives.

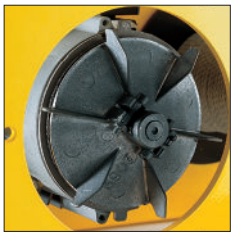
CAPACITY 250 - 2000 KG

FEATURES

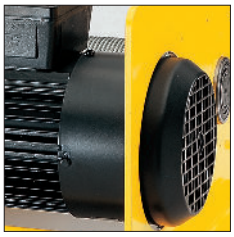
- Compact dimensions due to internal brake motor.
- Voltage 400 V/230 V, 3-phase, 50 Hz, protected to IP 54, insulation class F.
- Adjustable slip clutch to protect the winch from overloading standard for models RPE 10-6 and RPE 15-6/20-6.
- Spur gear transmission with helical first gear ensures smooth motion. Lubricated by grease and can, therefore, be used in any position.
- Spring pressure disc brake incorporated in the motor holds the load secure even in the event of a power failure.
- Plain rope drum standard.
- The rope is secured to the drum in a recess so that the rope can be wound onto the drum in several layers without damage.
- Direct control or 42 V low voltage control (incl. push-button with emergency-stop and 2 m control cable).



ROPE ATTACHMENT



SPRING PRESSURE DISC BRAKE



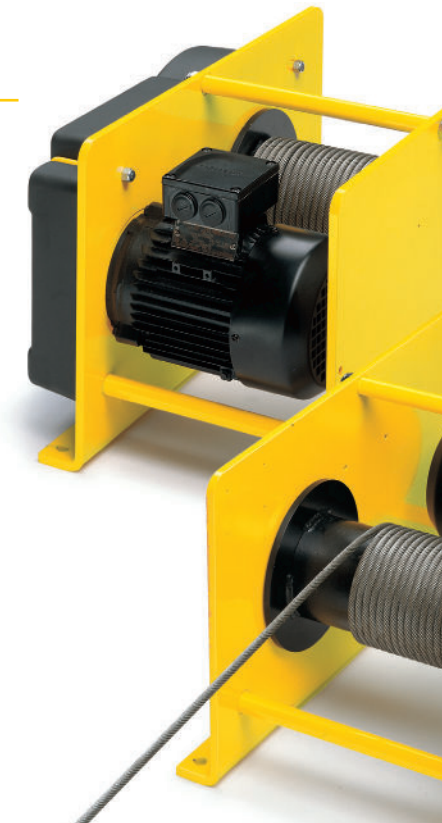
BRAKE MOTOR

INFO

Every winch is factory tested with overload. The units are supplied with a test certificate showing the unit‘s serial-no. and an operating instructions manual which contains a manufacturer‘s declaration.

OPTIONS

- 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 (in combination with 42 V low voltage control).
- Single-phase A.C. motor 230 V, 50 Hz, 42 V low voltage control (except model RPE 20-6).
- 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 capacities 250/500 kg.
- Special design according to BGV C1 for theater stage applications available.
- Radio remote control only in combination with the low voltage control.
- Other operating voltages.
- Motors protected up to IP 55 with stainless steel brake.



Technical data model RPE

Model	EAN-No. 4025092*	Capacity kg	Lifting speed 1st layer m/min	Lifting speed top layer m/min	Rope diameter mm	Motor kW	ED %	Useable rope length 1st layer m	Useable rope length top layer m	Weight without rope kg
RPE 2-13	*071796	250	10.2	13.2	4	0.55	40	11.2	54.5	31.8
RPE 5-6	*071857	500	4.6	6.6	6	0.55	40	7.0	38.8	32.8
RPE 5-12	*071918	500	8.7	12.6	6	1.1	40	11.0	55.4	41.0
RPE 9-6	*071956	990	5.1	6.5	8	1.1	40	10.2	37.4	76.0
RPE 10-6 [1]	*072014	1000	5.1	6.5	8	1.1	40	10.2	37.4	76.9
RPE 15-6 [1,2]	–	1500	5.2	7.3	11	1.6	40	13.2	49.0	187
RPE 20-6 [1]	–	2000	5.2	7.6	11	2.2	40	13.2	49.0	185

[1] Capacity 1000 kg and higher: overload protection as standard [2] Model RPE 15-6 only with operating voltage 230 V - 1 Phase - 50 Hz

Plain drum (longer useable rope length)

Model	Capacity top layer kg	Drum size	Useable rope length max. 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 15-6/20-6 L	1500/2000	2	74
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
RPE 15-6/20-6	1500/2000	3	120

INFO

When selecting the length of the rope please bear in mind that a minimum of 2.5 windings have to remain on the drum (approx. 1 m rope).

Grooved drum (recommended for single layer operation)

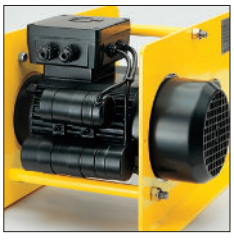
Model	Capacity top layer kg	Drum size	Useable rope length 1st layer m	Useable rope length max. m
RPE 2-13 R	250	1	8.8	43
RPE 5-6 R	500	1	6.2	33
RPE 9-6/10-6 R	990/1000	1	8.2	30
RPE 15-6/20-6 R	1500/2000	1	12.0	44
RPE 2-13 LR	250	2	13.3	64
RPE 5-6 LR	500	2	9.5	49
RPE 5-12 LR	500	2	9.5	49
RPE 9-6/10-6 LR	990/1000	2	12.9	47
RPE 15-6/20-6 LR	1500/2000	2	16.8	61
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
RPE 15-6/20-6 XLR	1500/2000	3	27.9	99

INFO

Also available as zinc-plated version on request!







SINGLE-PHASE A.C. MOTOR



GEARED LIMIT SWITCHES



GEARBOX WITH SLIP CLUTCH



DIFFERENT DRUM DESIGNS

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