Electric construction winch model EBW 200

Capacity 200 kg

For easy and quick lifting and lowering of loads on construction sites.

Features

- Extending slewing frame and clips for tube racks up to max. 45 mm, quickly ready for use.
- Operating cable (length: 1 m) and push-button pendant control with emergency stop.
- Standard operating voltage: 230 V, 1-phase, 50 Hz

INFO

Pfaff winches are not designed for passenger elevation applications and must not be used for this purpose.

Technical data model EBW 200

Model	Art.-No.	Capacity kg	Lifting height m	Lifting speed m/min	Weight without rope kg
EBW 200	031100030	200	25	19.2	48.5

Electric winch model RPE

Capacity 250 - 1000 kg

Winches series RPE and RPA are designed explicitly for performance, efficiency and safety and offer many advantages and options. RPE's and RPA's extremely compact, practical cube design and universal rope lead-offs allow individual applications in almost any position and make them powerful aids for lifting and pulling loads.
The winches are designed to DIN 15020, classification 1 Bm/M3, safety regulation DGUV Vorschrift 52 (BGV D8) and, of course, the EC machinery directives.

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.

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 model RPE 10-6.
- 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

When selecting the length of the rope please bear in mind that a minimum of 2-3 windings have to remain on the drum.

Yale hoists and trolleys are not designed for passenger elevation applications and must not be used for this purpose.

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.
- 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 DGUV Vorschrift 17 (BGV C1) for theater stage applications available.
- Radio remote control
- Other operating voltages
- Stainless brake

INFO

Special design for wind energy as well as customised constructions on request!

Also available as zinc-plated version on request!

Single-phase A.C. motor

Geared limit switches

Gearbox with slip clutch

Different drum designs

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

[1] With slip clutch

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 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	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 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

INFO

When selecting the length of the rope please bear in mind that a minimum of 2-3 windings have to remain on the drum.

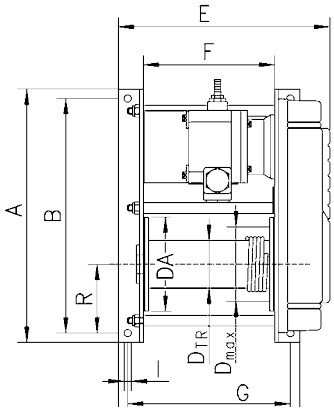
Yale hoists and trolleys are not designed for passenger elevation applications and must not be used for this purpose.

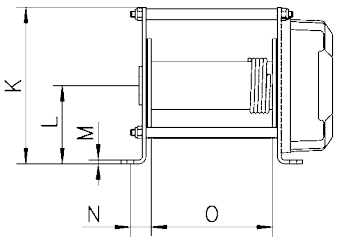
Winches with drums for longer useable rope lengths have partly other dimensions than those shown on page 95.

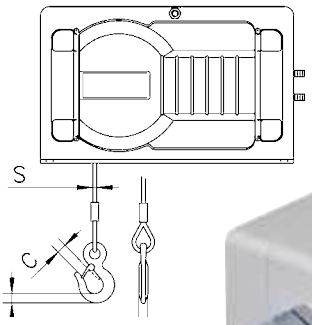
Dimensions model RPE (400 V direct control, standard drum)

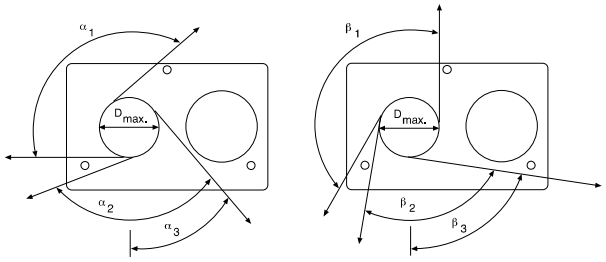
Model	RPE 2-13	RPE 5-6	RPE 5-12	RPE 9-6	RPE 10-6
A, mm	405	405	405	525	525
B, mm	375	375	375	485	485
C, mm	18	18	18	25	25
DTR, mm	76	76	76	108	108
Dmax, mm	104	118	118	148	148
DA, mm	150	150	150	180	180
E, mm	338	338	428	450	450
F, mm	210	210	300	270	270
G, mm	260	260	350	345	345
H, mm	290	290	380	380	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
α 1, °	130	130	130	145	145
α 2, °	110	110	110	125	125
α 3, °	40	40	40	50	50
β 1, °	150	150	150	155	155
β 2, °	90	90	90	100	100
β 3, °	80	80	80	83	83

Dimensions for s with optional features are available on request!









Rope lead-offs for electric winch RPE

Pneumatic winch model RPA

Capacity 250 - 500 kg

The conception is in accordance with the design of the model RPE.
With 100 % duty rating and an unlimited number of starts the model RPA is suitable for heavy duty applications. It is insusceptible to contamination, humidity and aggressive mediums from the outside.

Features

- Robust rotating piston motor with high starting torque, designed for operating pressures 4 to 6 bar.
- Spring pressure disc brake incorporated in the motor holds the load secure even in the event of an air failure.
- Sensitive control by means of direct acting valves in the control switch.

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.
- Control including 2.5 m hose and air coupler.
- Maintenance unit for main air supply pipe (pressure regulator, manometer, lubricator and support).

Rope attachment

Different drum designs

INFO

To ensure faultless operation the compressed air supply must be filtered and oiled!

Available in corrosion proof version on request!

Yale hoists and trolleys are not designed for passenger elevation applications and must not be used for this purpose.

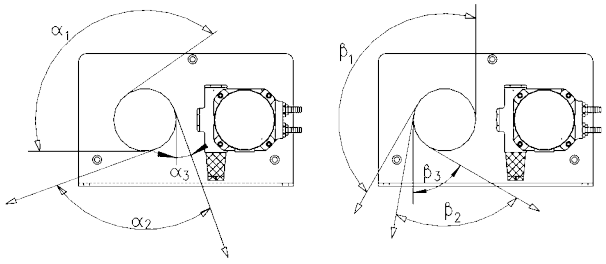
Technical data model RPA

Model	EAN-No. 4025092*	Capacity daN	Lifting speed with rated load [1] m/min	Lifting speed without load [1] m/min	Lowering speed with rated load [1] m/min	Rope diameter mm	Motor kW	Useable rope length top layer m	Weight without rope kg
RPA 2-13	*072397	250	12.5	20	22	4	0.55	54.5	36.7
RPA 5-6	*072458	500	6.2	10	11	6	0.55	38.8	36.7

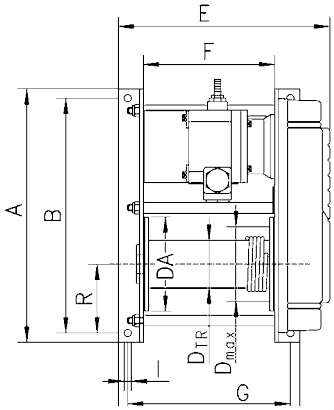
[1] Values in the top layer for 6 bar, air consumption 0.75 m³/min

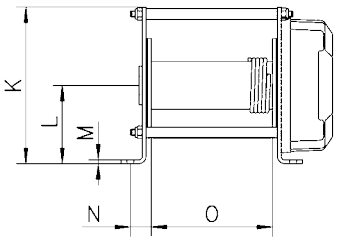
Dimensions model RPA

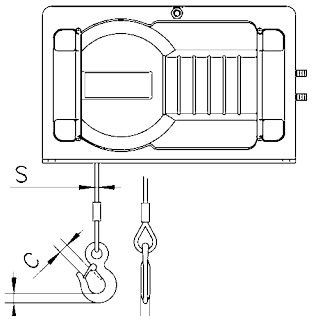
Model	RPA 2-13	RPA 5-6
A, mm	405	405
B, mm	375	375
C, mm	18	18
DTR, mm	76	76
Dmax, mm	104	118
DA, mm	150	150
E, mm	336	336
F, mm	210	210
G, mm	260	260
H, mm	290	290
I, mm	11	11
K, mm	250	250
L, mm	125	125
M, mm	6	6
N, mm	33	33
O, mm	194	194
P, mm	19	19
Q, mm	13	13
R, mm	125	125
S, mm	4	6
α 1, °	130	130
α 2, °	90	90
α 3, °	20	20
β 1, °	150	150
β 2, °	70	70
β 3, °	60	60



Rope lead-offs for pneumatic rope winch RPA







INFO

When selecting the length of the rope please bear in mind that a minimum of 2-3 windings have to remain on the drum.

Electric winch model BETA SL

Capacity 250 - 2000 kg

Electric winches of the BETA SL range are used for lifting, towing and positioning of loads.
The proven technology and specified equipment features make the winch the ideal product for standard applications.

Features

- The electrically released spring pressure disc brake safely holds the load also in the event of a power failure.
- Powerful three-phase AC drives for multi-range voltage 380 - 420 V, 50 Hz or 440 - 460 V, 60 Hz.
  Motor type of enclosure IP 55, duty factor 40 % ED.
- Electronic overload protection from 1000 kg lifting load as standard.
- The maintenance-free, oil lubricated gearbox has quiet running characteristics due to milled and ground gears with helical teeth.
- Standard rope drum of grooved design, with large rope capacity.
- Variable rope lead-in.
- Contactor control (incl. gear limit switch).
- Complies DGUV Vorschrift 54 (BGV D8).

Also available at short notice with the following options:

Optional: Frequency converter
(For infinitely variable speed regulation)

- **Rope pressure roll**
  Supports the tidy coiling of the rope, especially with high lifting heights.
- **Slack rope switch**
  Prevents unwanted uncoiling if the wire rope is not under load.
- **Control switch with 3 m control cable**
  Greater freedom of movement for the user, better view of the working area of the wire rope winch.
- **Frequency converter (SL 1 - SL 3)**
  Infinitely variable rope speed controlled via potentiometer, control range 20-87 Hz (SL 3 = 20-50 Hz).
  The frequency converter allows loads to be moved gently and sensitively.

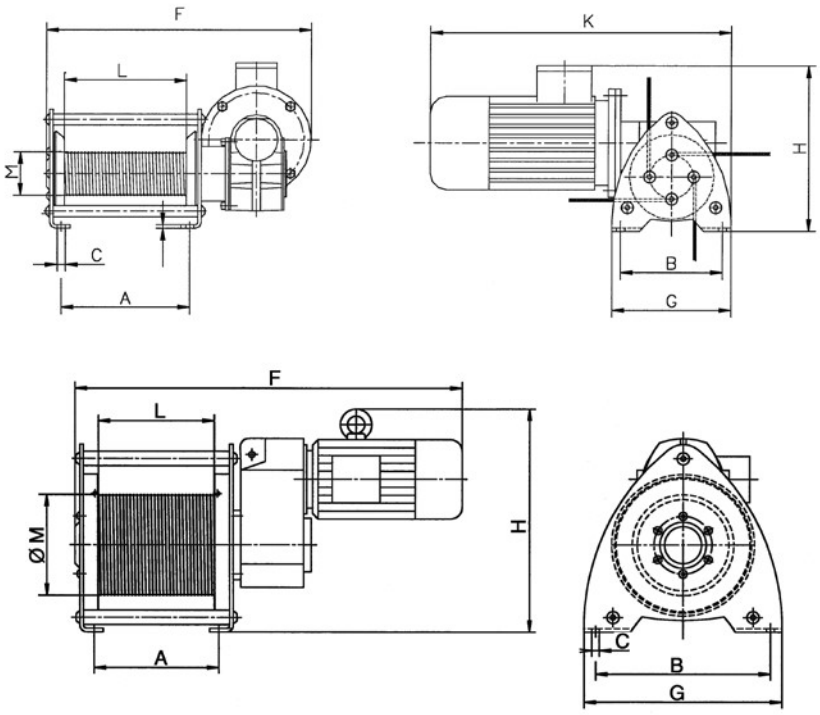
Technical data model BETA SL

EAN-No. 4053981** 4050939***	Size	Capacity 1st layer kg	Lifting speed 1st layer m/min	Rope diameter [3] mm	Motor kW	Classification FEM/ISO	Useable rope length 1st layer m/min	Useable rope length top layer m/min
**011912	SL0	250	2.5	4	0.25	1Bm/M3	7	46.7
***050498	SL0	250	4.7	4	0.37	1Bm/M3	7	46.7
**011929	SL1	500	6.8	6	0.75	1Am/M4	6.7	48.9
**011936	SL1	630	6.8	6	0.75	1Bm/M3	6.7	48.9
**011943	SL2	980	6.0	9	1.1	1Am/M4	11	77.5
**011950	SL2	1250	6.0	9	1.1	1Am/M4	11	77.5
**011967	SL3	2000	6.8	12	2.2	1Bm/M3	10	74.5

[3] recommended rope: DIN 3069 FE-znk 1960 sZ-spa

Dimensions model BETA SL

EAN-No.	**011912	***050498	**011929	**011936	**011943	**011950	**011967
A, mm	185	185	215	215	270	270	320
B, mm	170	170	300	300	400	400	510
Ø C, mm	12	12	13.5	13.5	18	18	22
F, mm	389	389	740	750	920	930	1070
G, mm	200	200	340	340	465	465	570
H, mm	241	241	340	345	475	480	614
K, mm	432	–	–	–	–	–	–
L, mm	180	180	200	200	250	250	300
Ø M, mm	64	64	86	86	175	175	175



INFO

Additional options and an adaptation for special applications are offered exclusively for model BETA EL (see page 100).

Pfaff winches are not designed for passenger elevation applications and must not be used for this purpose.

Application oriented winch solutions

Electric winch model BETA EL

Capacity 320 - 7500 kg

The BETA EL electric wire rope winches are used for lifting, pulling and positioning loads under difficult conditions.
All the models are constructed on a modular basis and comprise various options for maximum flexibility in putting together an individual solution.
The application of high-quality components and gear motors ensure safety and a long service life.

- The electrically released spring pressure disc brake safely holds the load also in the event of a power failure.
- Powerful three-phase AC drives for multi-range voltage 380 - 420 V, 50 Hz oder 440 - 460 V, 60 Hz.
  Motor type of enclosure IP 55, duty factor 40 % ED.
- Electronic overload protection from 1000 kg lifting load as standard.
- The maintenance-free, oil lubricated gearbox has quiet running characteristics due to milled and ground gears with helical teeth.
- Variable rope lead-in due to two rope attachment points (left and right).
- Increased operating safety due to 42 V contactor control.

Equipment options

- Various drum designs e.g. extended for a larger rope capacity, special rope drums for operation with several ropes.
- Rope pressure rollers to prevent the unloaded rope from jumping off the drum.
- Adjustable gear limit switch for limiting the rope path in both directions.
- Slack rope switch for automatically stopping the winch when the rope tension eases or when the load is set down.
- Frequency inverter for infinitely variable speed control.
- External operation via cable/radio
- Other operating voltages
- Other motor protection
- Absolute or incremental encoder
- Special preservation
- In compliance with DGUV Vorschrift 17 (BGV C1) also available for application on stages and in studios.

Available in explosion proof version (please see page 464).

Sheave block for rope guidance, equipped with ball bearings model DSRB S

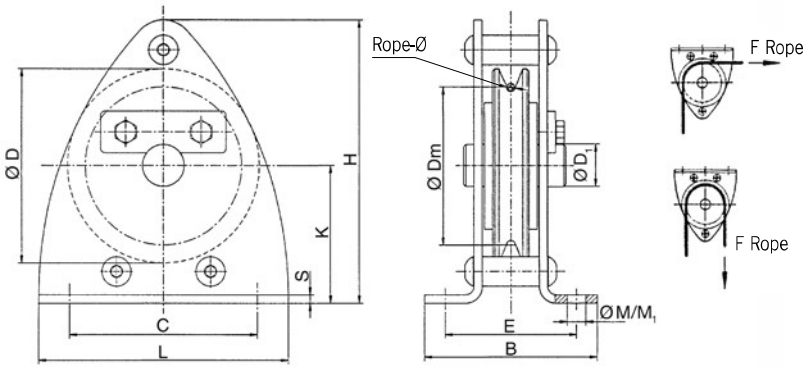
Technical data model DSRB S

Model	EAN-No. 4025092* 4050939***	Classification FEM/ISO	Pulling force in kg at deflection 90°	Pulling force in kg at deflection 180°	Rope diameter mm
DSRB S 90/4	***066062	2m/M5	700	500	4
DSRB S 145/5	***065812	4m/M6	1100	800	5
DSRB S 145/6	*994811	2m/M5	1100	800	6
DSRB S 185/8	***065843	2m/M5	2300	1630	8
DSRB S 185/9	***065850	1 Am/M4	2300	1630	9
DSRB S 270/12	***065980	2m/M5	2500	1800	12
DSRB S 325/14	***066055	2m/M5	4500	3200	14
DSRB S 400/16	***066130	3m/M6	5000	3800	16
DSRB S 400/18	***065720	2m/M5	5000	3800	18
DSRB S 490/20	***065751	3m/M6	8000	6000	20

Dimensions model DSRB S

Model	DSRB S 90/4	DSRB S 145/5	DSRB S 145/6	DSRB S 185/8	DSRB S 185/9	DSRB S 270/12	DSRB S 325/14	DSRB S 400/16	DSRB S 400/18	DSRB S 490/20
EAN-No.	***066062	***065812	*994811	***065843	***065850	***065980	***066055	***066130	***065720	***065751
B, mm	85	125	125	138	138	191	260	302	302	313
C, mm	90	160	160	195	195	290	350	430	430	580
Ø D, mm	90	145	145	185	185	270	325	400	400	490
Ø D1, mm	20	25	25	30	30	40	50	50	50	65
Ø Dm, mm	80	125	125	160	162	246	297	368	364	450
E, mm	62	88	88	106	106	138	180	212	212	220
H, mm	134	224	224	273	273	407	490	612	612	694
K, mm	65	110	110	135	135	202	242	310	310	340
L, mm	120	200	200	245	245	360	440	530	530	650
Ø M/M1, mm	9/9	11.5/13	11.5/13	13.5/15	13.5/15	18/20	22/25	26/30	26/30	34/40
S, mm	4	6	6	8	8	10	12	15	15	16

Available in explosion proof version (please see page 465).



Mobile endless winch up to 300 kg!

Endless winch, mobile model YaleMtrac

New!

Capacity 100 - 300 kg

The new compact and light weight mobile Yale-Endless winch, model YaleMtrac combines modern industry design with technical innovation. During the development stage, focus was set on simple and safe operation for mobile applications. The winch is capable of lifting loads up to 300 kg over long distances at high speed.
The highlight of the YaleMtrac winch is the increased efficiency as it can be operated bi-directionally.
The Yale Mtrac winch can lift, lower and pull loads at rated capacity in either direction. Depending on the application unnecessary waiting time to return the load hook to its start position may be eliminated.
A wide range of ropes and accessories (eye sling hooks, self-locking hooks, shackles) ensure that YaleMtrac winch can be used in many different applications.

Features

- The robust, precisely machined housing of die-cast aluminium with impact resistant plastic cover ensures a low deadweight and outstanding rigidity.
- The externally adjustable slip clutch is designed to guarantee a permanent connection between the load and the brake.
- High speed versions available to increase efficiency for high lifts.
- Easy access to all wearing parts due to modular design.
- The standard, oil bath lubricated and case hardened gearbox has a helical gearing for particularly smooth running and enhanced lifetime.
- Drive sheave made of specially hardened steel to minimize wear of the components.
- The standard version is supplied with an eye sling hook with safety latch.
- Multiple fixing points in the housing allow the YaleMtrac to be suspended in various positions.
- Classification: 1Bm/M3 acc. to FEM/ISO.
- Motor protected to IP 55 (acc. to VDE 0530), against ingress of dust and water jets.
- Standard operating voltage: Euro-voltage: 400 V, 3-phase, 50 Hz and 230 V, 1-phase, 50 Hz.
- Rubber buffers ensure no surface contact damage.
- Push-button pendant control, IP 65 against ingress of dust and water jets from all directions.
- Limit switch for upward and downward travel.

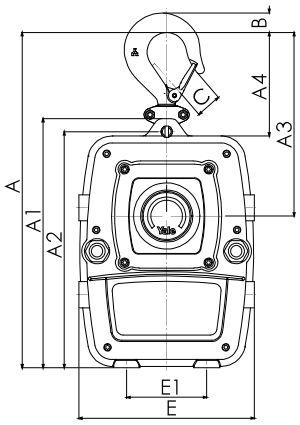
Options

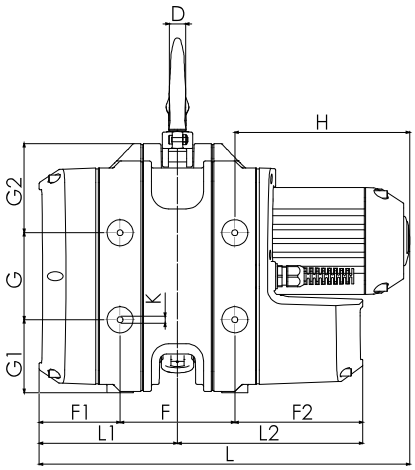
- Radio remote control with high range.
- Other operating voltages on request.
- Non-rotating steel wire ropes.
- Manual and electric trolleys.
- Frequency converter
- Transport and carrying frames for various applications.
- Counters for operating hours.

Technical data model YaleMtrac

Model	Capacity kg	Lifting speed m/min	Rope diameter mm	Motor kW	Operating voltage
YMT 1-15	100	15	6.5	0.25	230 V/1 Ph/50 Hz
YMT 3-5	300	5	6.5	0.25	230 V/1 Ph/50 Hz
YMTF 0,6-30	66	30/7.5	6.5	0.37	400 V/3 Ph/50 Hz
YMT 1-30	100	30	6.5	0.55	400 V/3 Ph/50 Hz
YMTF 2-10	200	10/2.5	6.5	0.37	400 V/3 Ph/50 Hz
YMT 3-10	300	10	6.5	0.55	400 V/3 Ph/50 Hz

Dimensions	
A, mm	385
A1, mm	287
A2, mm	272
A3, mm	221
A4, mm	119
B, mm	22
C, mm	29
D, mm	19
E, mm	202
E1, mm	92
F, mm	132
F1, mm	93
F2, mm	147
G, mm	100
G1, mm	84
G2, mm	103
H, mm	201
K, mm	M8
L, mm	426
L1, mm	159
L2, mm	147





INFO

Yale hoists and trolleys are not designed for passenger elevation applications and must not be used for this purpose.

Option:

Equipment based on transport frame and/or ergonomic handles facilitate handling and transport.

Endless winch for the transportation of goods- and personnel model YaleMtrac

With the new YaleMtrac, the rope is driven through the winch without the necessity of having to collect the rope on a reel etc. This enables unlimited lifting heights or traction lengths. Unlike a drum winch, the wire rope always enters the winch at the same place, thus eliminating undesirable hook movement across the drum and ensures rope speed and pulling force remain constant.

Endless winches can be used for various applications, wherever loads have to be lifted or pulled, e.g. for the use on waggons, mobile staffolds, or wind power stations.

Features

- The robust, precisely machined housing of die-cast aluminium ensures a low deadweight and outstanding rigidity. Standardised components feature easy access to all wearing parts.
- Drive sheave and pressure rollers made of specially hardened steel guarantee low wear of the components.
- Limit switch for lifting force as standard (only for winches for passenger elevation).
- The winch can be suspended from a central suspension point by means of a load pin. As an alternative, attachment points in the corners of the housing are available for flexible attachment of the winch with screws or pins.
- Classification 1 Bm/M3 (1 Cm/M2 for 18 m/min) acc. to FEM/ISO.
- All motors protected to IP 55 (acc. to VDE 0530) as standard, against ingress of dust and water jets.
- Standard operating voltage: Euro-voltage: 400 V, 3-phase, 50 Hz alternatively 460 V, 3-phase, 60 Hz.
- 24 V control voltage (except material transport control, stationary application – 42 V).
- Phase monitoring (except material transport control, stationary application) for an easy and safe connection to changing power supply.
- Hoist motor with thermal overload protection as standard for increased lifetime.
- Approved for passenger elevation applications in accordance with EN 1808.

INFO

Approved for passenger elevation applications in accordance with EN 1808.

Options

- Other operating voltages
- Radio remote control
- Double control for several winches.
- Limit switch for upward and downward travel.
- Counters for operating hours and number of starts
- Catching devices (overspeed or inclined position tripping,required for passenger elevation applications).
- Adaptor for fitting with shackle.
- Ropes for endless winches and catching device
- Overload protection (included in the scope of supply for passenger elevation winches).
- Storage reel for the unloaded rope.

Technical data model YaleMtrac Winches for material transport

Model	EAN-No. 4025092* for stationary application [1]	EAN-No. 4025092* for mobile application [2]	Capacity kg	Lifting speed m/min	Rope diameter mm	Motor kW	Weight for stationary application [1] kg	Weight for mobile application [2] kg
YMT 5-9-M8	*668569	*668644	500	9	8.4	1.1	54	62
YMT 5-18-M8	*668576	*668651	500	18	8.4	2.0	54	62
YMT 6-9-M8	*668583	*668668	600	9	8.4	1.1	55	63
YMT 6-18-M8	*668590	*668675	600	18	8.4	2.0	55	63
YMT 8-9-M8	*668606	*668682	800	9	8.4	1.8	55	63
YMT 8-18-M8	*668613	*668699	800	18	8.4	3.6	56	64
YMTF 8-18-M8	–	–	800	18/9	8.4	2.0/3.6	58	66
YMT 10-9-M9	*668620	*668712	980	9	9.0	1.8	55	63
YMT 10-18-M9	*668637	*668705	980	18	9.0	3.6	56	64
YMTF 10-18-M9	–	–	980	18/9	9.0	2.0/3.6	58	66

[1] incl. control voltage 400 V, 3-phase, 50 Hz, directly attached to the winch, pendant control with emergency-stop (length of control cable 3 m)
[2] incl. control cabinet with integrated CE-connector, pendant control with emergency-stop (length of control cable 3 m)

Contactor control for material transport applications (stationary application)

- Control cabinet (260 x 124 x 95 mm)
- Protected to IP 55 (acc. to EN 60 529)
- Temperature range -20 °C up to +40 °C
- Increased operating safety through 42 V control voltage
- Master control relay/emergency-stop contactor as standard for a high degree of safety.
- Easily accessible strip terminal
- Cable entry point by cable sleeves
- Motor connected with control cable

Hoist motor & brake

Special motor with classification 1 Bm/M3 (1 Cm/M2 for 18 m/min) according to FEM/ISO 4301-1, protected to IP 55.

Flexible attachment points

Central load pin suspension or alternatively screws or pins on four corners.

Control cabinet for material transport applications (mobile application)

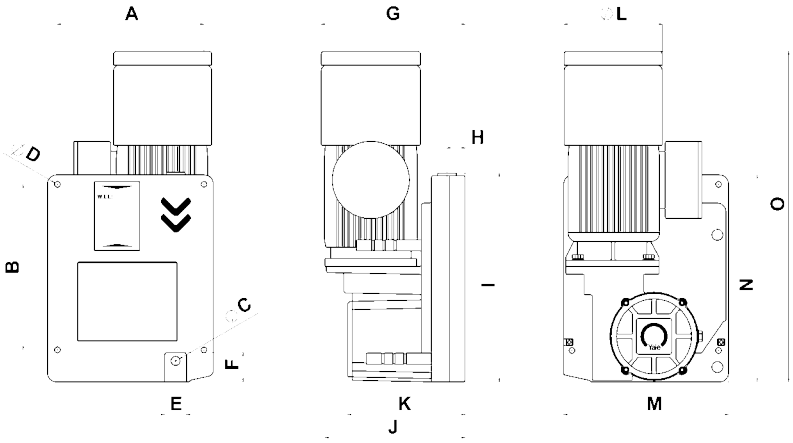
- Control cabinet (300 x 400 x 150 mm)
- Protected to IP 55 (acc. to EN 60 529)
- Temperature range -20 °C up to +40 °C
- Increased operating safety through 24 V control voltage
- Master control relay/emergency-stop contactor as standard for a high degree of safety.
- Phase-sequence relay for monitoring the direction of rotation
- Control transformer according to EN 61558-2, input and output separately fused.
- Warning buzzer for signalling an overload
- Easily accessible strip terminal
- Cable entry point by screwed cable glands
- Motor connected with connector plug
- Power supply connection with phase-changing switch
- Connection for UP emergency limit switch provided

Technical data model YaleMtrac Winches for passenger elevation according to EN 1808

Model	EAN-No. 4025092*	Capacity kg	Lifting speed m/min	Rope diameter mm	Motor kW	Weight without rope incl. control cabinet kg
YMT 5-9-P8	*668729	500	9	8.4	1.1	72
YMT 5-18-P8	*668736	500	18	8.4	2.0	72
YMT 6-9-P8	*668743	600	9	8.4	1.1	73
YMT 6-18-P8	*668750	600	18	8.4	2.0	73
YMT 8-9-P9	*668767	800	9	9.0	1.8	73
YMT 8-18-P9	*668774	800	18	9.0	3.6	74
YMTF 8-18-P9	*911313	800	18/9	9.0	2.0/3.6	76
YMT 10-9-P10	*668781	1000	9	10.2	1.8	73
YMT 10-18-P10	*668798	1000	18	10.2	3.6	74
YMTF 10-18-P10	*911320	1000	18/9	10.2	2.0/3.6	76

Incl. control cabinet with integrated CE-connector
Incl. pendant control with emergency-stop (length of control cable 3 m)
Option: Emergency-stop and UP/DOWN buttons on control cabinet for controlling the winch

Dimensions	
A, mm	266
B, mm	300
Ø C, mm	16.5
Ø D, mm	10.5
E, mm	40
F, mm	57
G, mm	261
H, mm	34
I, mm	375
J, mm	261
K, mm	220
Ø L, mm	180
M, mm	301
N, mm	375
O, mm	599



Options

- Control cabinet for synchronous control of two winches
- Supporting feet and arms for fixing the control cabinet

Control cabinet for passenger elevation applications

- Control cabinet (300 x 400 x 150 mm)
- Protected to IP 55 (acc. to EN 60 529)
- Temperature range -20 °C up to +40 °C
- Increased operating safety through 24 V control voltage
- Master control relay/emergency-stop contactor as standard for a high degree of safety.
- Phase-sequence relay for monitoring the direction of rotation
- Control transformer according to EN 61558-2, input and output separately fused.
- Warning buzzer for signalling an overload
- Easily accessible strip terminal
- Cable entry point by screwed cable glands
- Motor connected with connector plug
- Power supply connection with phase-changing switch
- Connection for UP emergency limit switch provided

Safety for passenger elevation

In accordance with the requirements of EN 1808, each winch used for passenger elevation must feature a safety system on an independent safety rope. The product offering provides two different safety catching devices for two common applications.

Both types have been approved for passenger elevation and comply with standard EN 1808 "Safety requirements on suspended access equipment". In addition, the catching devices have been approved.

Safety hand wheel

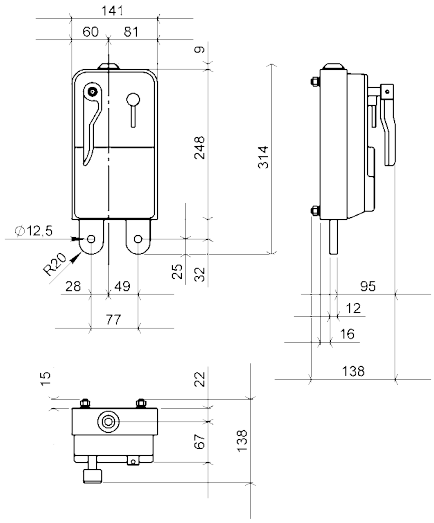
In an emergency (power failure), upward movement with released brake is possible by means of the hand wheel included in the supply (standard delivery scope only for winches for passenger elevation application).

Safety lowering mechanism

In the event of a power failure, the electro-mechanical brake can be released manually in order to ensure safe and controlled lowering of the load. Safe lowering is guaranteed by the integrated centrifugal force brake.

Overspeed safety catching device (YOSL)

This overspeed catching device is automatically tripped when the lowering speed exceeds 30 m/min (0.5 m/s). The integrated clamping jaw mechanism of hardened steel stops the lowering movement of the system within a few centimetres.



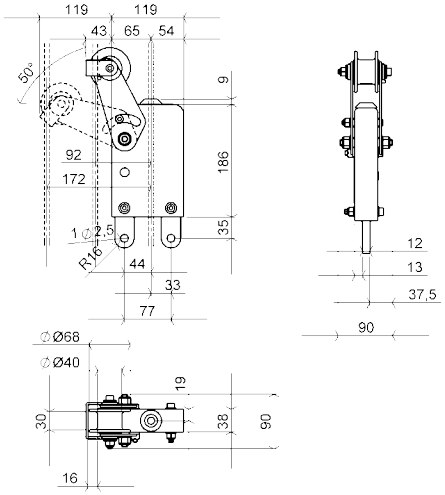
Model	EAN-No. 4025092*	Capacity kg	For rope diameter mm
YOSL6-8	*582803	500	8.4
YOSL6-8	*582803	600	8.4
YOSL8-9	*582742	800	9.0
YOSL10-10	*582766	1000	10.2

Inclined position safety catching device (YISL)

This inclined position catching device is automatically tripped when the angle of the rope or the platform exceeds 5°.

The integrated clamping jaw mechanism holds the rope and immediately stops the movement of the system.

- Robust sheet-steel enclosure
- Clamping mechanism of hardened steel
- Attachment with two screws (M12) or load pins (12 mm)



Model	EAN-No. 4025092*	Capacity kg	For rope diameter mm
YISL6-8	*582827	500	8.4
YISL6-8	*582827	600	8.4
YISL8-9	*582759	800	9.0
YISL10-10	*582797	1000	10.2