

Yale *Mtrac*[®]

Endless winch



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The Yale *Mtrac*[®] endless winch combines state-of-the-art industrial design with technical innovation to solve a specific customer need – the need for a safe and simple handling solution for mobile applications.

We did just that. Because the rope of the endless winch is not collected during operation, there is no limit to the lifting height and traction length when using this product. And, with a full offering of wire ropes and accessories, this winch can be used in virtually any application requiring a hoist.

CAPACITIES 66 - 300 KG

(two-fall design up to 600 kg, optional)

STANDARD FEATURES

- Capacities 66 kg to 300 kg in single-reeved configuration (up to 600 kg in two-part reeved configuration, optional).
- Control pendant (IP 65-type of enclosure) is connected via a control cable.
- Standard power cable has a length of 1.0 m and is fitted with a CE connector plug (or a Schuko-plug).
- 42V low-voltage control
- Ergonomic, fitted carrying handle features a comfortable plastic grip.
- Mounting feet fixed on the housing for easy set up.
- Standard operating voltages of 400V, 3-ph, 50 Hz or 230V, 1-ph, 50 Hz.
- Galvanized, high-density steel rope is 10 m long (dia. 6.5 mm) and features a safety hook on one end as well as a rounded, plastic-coated tip at the loose end.
- Two spring buffers with adjusting rings can be attached to the wire rope to set the limit switches for both upward and downward movement.

FINISH DETAILS

- Drive sheave is made of especially hardened steel designed to ensure long service life.
- The patented (German Patent DE 10 2012 100 099) bi-directional actuator ensures the rope is safely guided and securely held in place.
- Slip clutch is located outside of the load path for added safety.
- Limit switches ensure safe cut-out for the upper and lower hook positions.
- Electromagnetic brake holds the load safely, even in the event of a power failure.
- Winch is classified up to 1 Bm/M3 acc. to FEM/ISO.
- Winch is protected up to IP 55.



STANDARD

This image shows the Yale *Mtrac* winch with standard equipment.



ELECTROMAGNETIC BRAKE



INNER CABLE ROUTING/
HIGH QUALITY GASKETS



LOW VOLTAGE CONTROL

Technical data model Yale *Mtrac*[®]

Model	EAN-No. 4053981**	Single fall Standard		Double fall Optional		Motor kW	Operating voltage
		Capacity	Lifting speed m/min	Capacity	Lifting speed m/min		
		kg		kg			
YMT 1-15	**977263	100	15	200	7.5	0.37	230V/1 Ph/50 Hz
YMT 3-5	**977270	300	5	600	2.5	0.37	230V/1 Ph/50 Hz
YMTF 0,6-30	**977300	66	30/7.5	130	15/3.7	0.37/0.09	400V/3 Ph/50 Hz
YMT 1-30	**977287	100	30	200	15	0.55	400V/3 Ph/50 Hz
YMTF 2-10	**977317	200	10/2.5	400	5/1.3	0.37/0.09	400V/3 Ph/50 Hz
YMT 3-10	**977294	300	10	600	5	0.55	400V/3 Ph/50 Hz

Weight from 24 to 26 kg (without rope) depending on options.
Rope Ø 6.5 mm



TWO-FALL DESIGN

with optional components
such as suspension hook
and bottom block.

BI-DIRECTIONAL LIFTING

The hooks of the two rope
falls can be alternately
loaded with 100 %
rated load.

PATENTED* BI-DIRECTIONAL ACTUATOR FOR BI-DIRECTIONAL LIFTING *new!*

*German Patent DE 102012 100099

OPTIONAL

- The transport and carrying frames are designed to protect the housing. They must not be used as load-bearing components!
- Two-part reeving configuration doubles the load capacity.
- Additional hook kit for bi-directional lifting.
- Special voltages on request.
- Steel wire ropes of various lengths.
- Manual and electric trolleys.
- Frequency converter for variable speed control or smooth starting.
- Operating hours counter to determine the remaining service life and number of switching operations.
- Radio remote control with extended operation range.
- Varying lengths for power and control cables.
- Stainless steel wire ropes (with shorter service life than standard).



Yale *Mtrac* winches with
two carrying frames
(optional) are extremely
well protected and can
be safely operated in
any position.

The accessories for the
two-part reeved option
double the load
capacity.

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