

ELECTRIC WINCHES



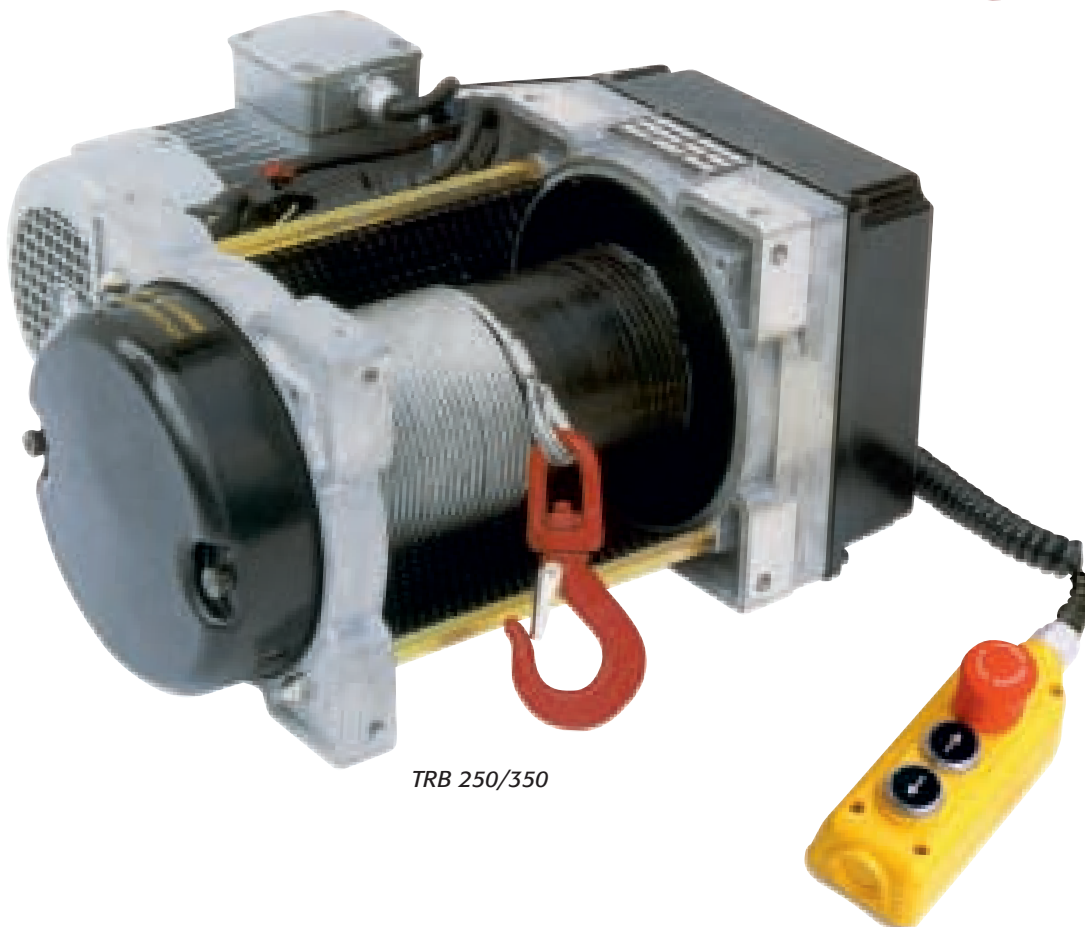
Range of compact, electric winches

TRB

150 to 960 kg



TRB 150



TRB 250/350

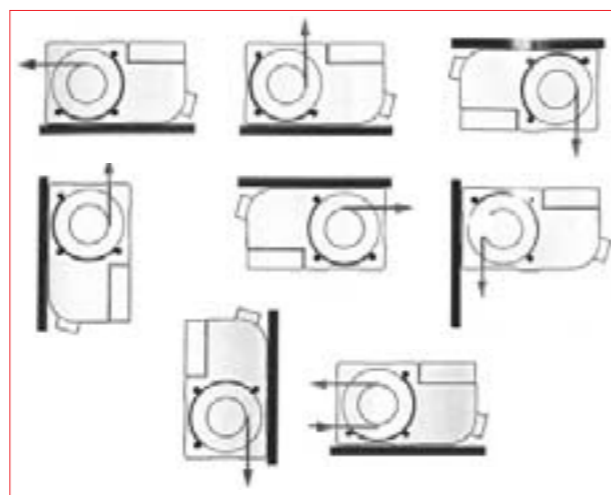


HUCHEZ

Use: lifting and pulling

Multifunctional electric winch offering many possibilities and options, making it particularly renowned. The TRBs are rugged and proven winches benefiting from a high operating factor. Many rope attachments and output options make these winches ideal for every job.

- Industry, building and public works, scenery applications
- Easy integration into many types of devices, machines, cranes, etc.
- Two-way systems for pulling small wagons and trolleys
- Installation and extraction of parts in ovens
- Suspension, boat haulage
- Doors lifting, traps opening
- Swimming pool roofs, barns, furnace and grain store doors, load hoisting.



TRB 250 to 960 kg

- Complies with the EN 14 492-1 standard.
- Registered trade mark.

General technical description of the TRB range:

Since 1971, launching year of the first TRB at Huchez, these compact universal winches are renowned thanks to their high reliability.

- Machined and welded steel drum and aluminium housing: 3 different length available and possibility to adapt on request.
- Single or 3-phase motor: range of power and tension
- Three types of controls: very low voltage, frequency variator (speed variation), direct control.
- Disconnectable control box (except on the frequency variation VV and direct control CD models)
- Seal grease-bath helical reduction gearing
- Control cable: 3,5 m long

Numerous options are available: limit switches, grooved drums, second cable clamps, rope press rolls, marine paint, higher protection indicator IP, special speed. Some of these options require the very low voltage power or the frequency variation: radio control, electronic load limiter, rope slack switch.

Stade de France



Load hoisting



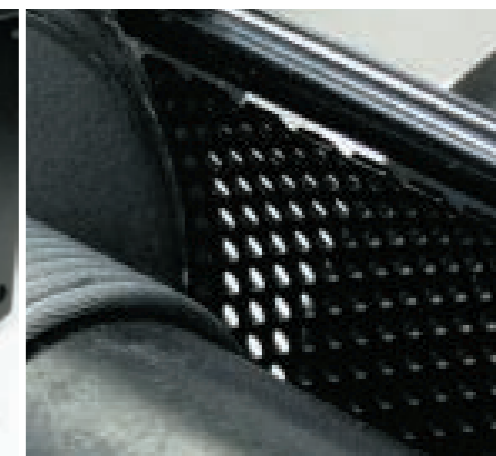
Installed on a support for translation



STRONG POINTS



Seal grease both helical reduction gearing. Various speeds possibilities.



Drum protected by perforated plate, adjustable according to the outlet of the rope. Large flanges for long length of wire rope.

Reliable electric and electronic components.



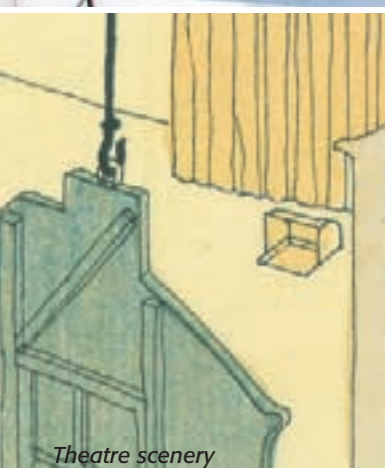
Reliable and very safe cable clamp without particular tool. Caged nut for winch multi-position fixing (TRB 250 to 960 kg).



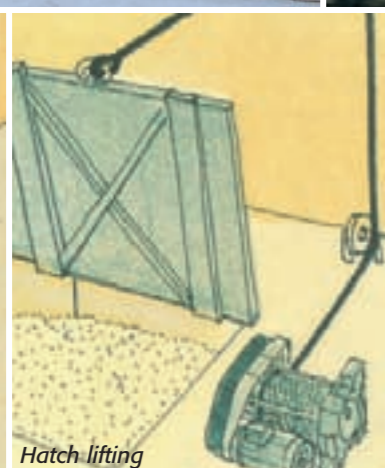
Metallic remote control plug with anti-unplugging system.



Theatre scenery



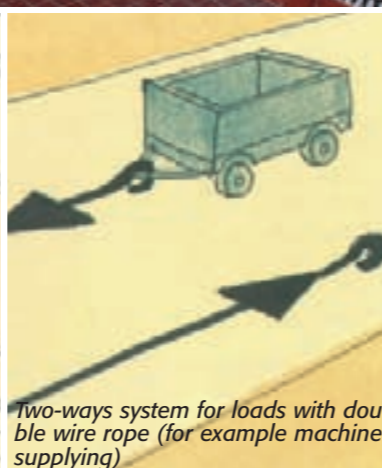
Hatch lifting



Swimming pool roofs (moving)



Two-ways system for loads with double wire rope (for example machine supplying)



Three types of controls according to the use of your TRB:

Very low voltage control

Frequency variation control

Direct Control

The very low voltage control protects the user from electrical failures. It is recommended for outside use. It makes it possible to operate a wide range of options: from limit switch to radio-control and including a load limiter and rope slack switch.

In addition to the low voltage advantage, this control offers a variation of the winding speed, with gradual starting and stopping, possibility to configurate for a smooth handling. It allows speed variation via a potentiometer from 10% to 100% of the nominal speed. Possibility to program different speeds.

Simpler, the direct control models are to be used protected from bad weather. Some options, common to other TRBs, are not compatible with this range or some of its models. For example, the limit switch is only available on the single phase 230 Volts models.

Motor:

- IP 55 protection
- Single phase 230 V 50 Hz - 3-phase 230/400 V 50 Hz - other voltages/frequencies on request.

Automatic **disk brake** working on continuous current.

Disconnectable **control box** on 3.5 m curled wire. IP 65 protection.

Electrical box: IP 55 protection

Motor:

- IP 55 protection
- Single phase 230 V 50 Hz power supply 400 V or other voltages, frequencies on request.

Automatic **disk brake** working on continuous current.

Disconnectable **control box** on 3.5 m curled wire. IP 65 protection.

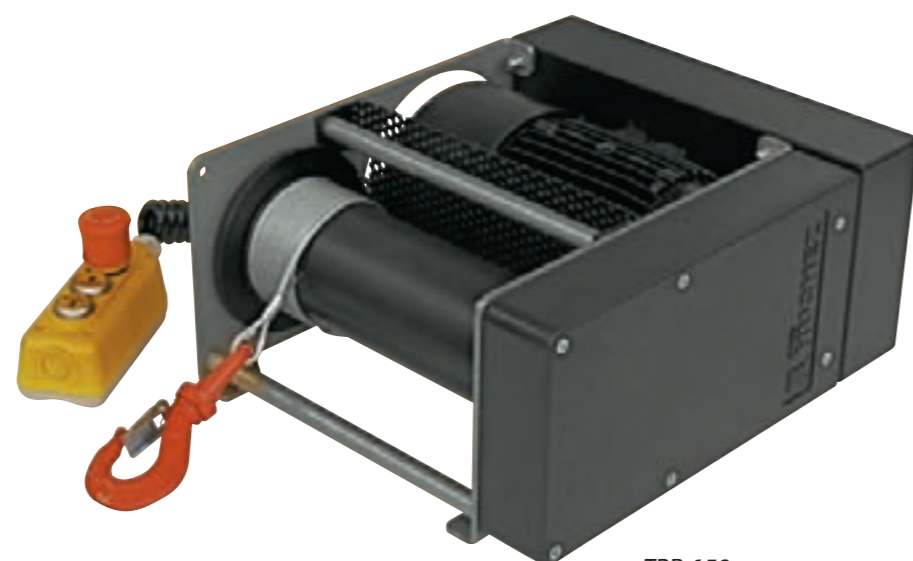
Electrical box: IP 55 protection

Motor:

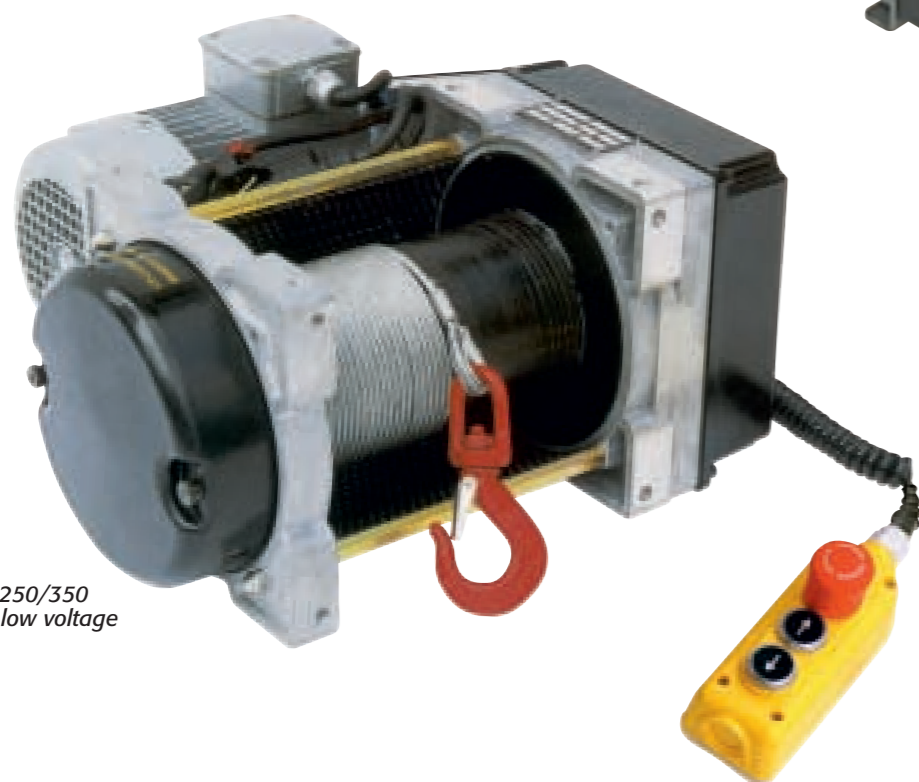
- IP 55 protection
- Single phase 230 V 50 Hz - 3-phase 230/400 V 50 Hz

Automatic **conical brake** working on alternating current.

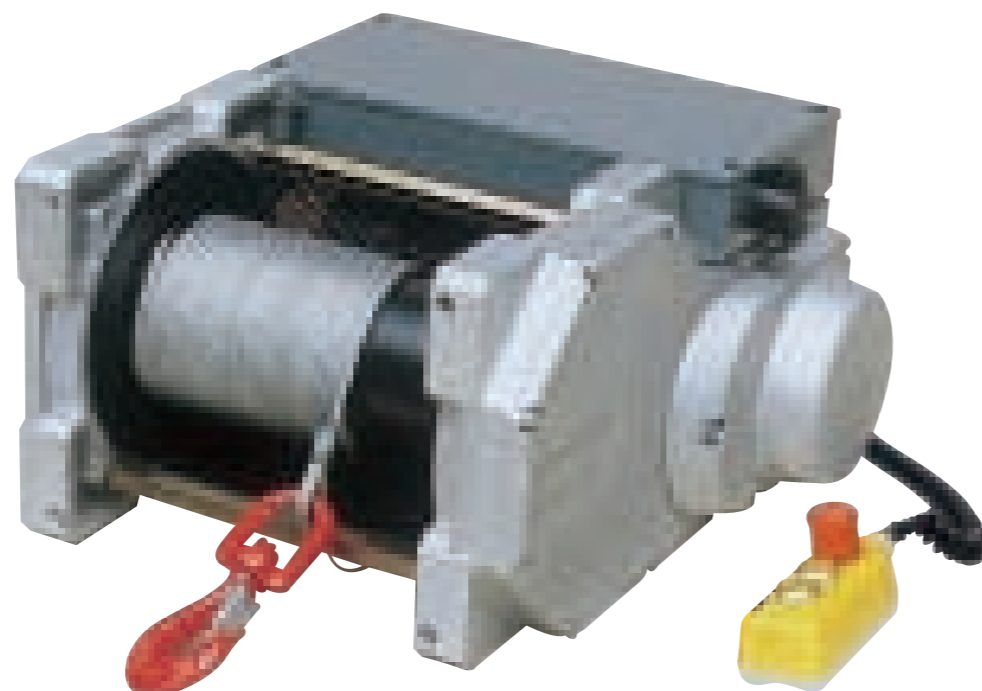
Disconnectable **control box** on 3.5 m curled wire. IP 65 protection.



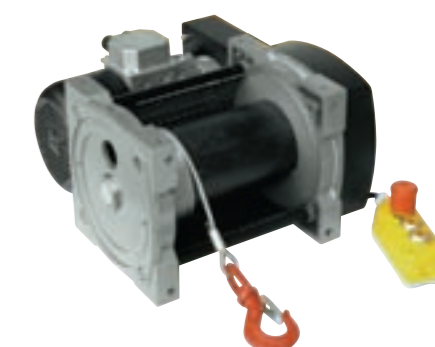
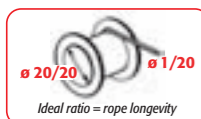
TRB 150
very low voltage



TRB 250/350
very low voltage

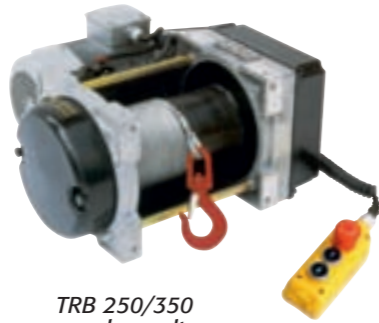


TRB 500/960
very low voltage

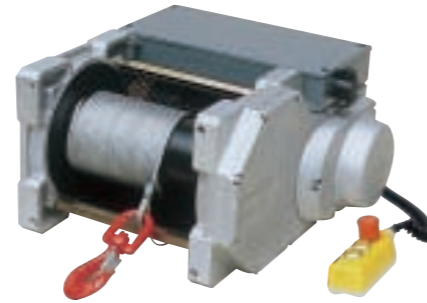




TRB 150
very low voltage



TRB 250/350
very low voltage



TRB 500/960
very low voltage

Very low voltage control 1 speed

Type	FEM	Capacity on last layer kg	Number of layers	Motor kW	Speed m/mn	Standard drum rope capacity m	Rope dia. mm	Weight kg
TRB 151	1 Cm	150	3	0.75 S-Ph	23	55	4	30
TRB 153	1 Cm	150	3	0.75 T-Ph	23	55	4	30
TRB 251	1 Bm	250	3	1.1 S-Ph	21	55	5	35
TRB 253	1 Bm	250	3	1.1 T-Ph	21	55	5	35
TRB 301	1 Bm	300	3	1.1 S-Ph	19	55	5	35
TRB 303.10	1 Bm	300	3	0.75 tri	10	55	5	35
TRB 303.20	1 Bm	300	3	1.1 T-Ph	19	55	5	35
TRB 351	1 Bm	350	2	1.1 S-Ph	15	35	5	35
TRB 353	1 Bm	350	2	1.1 T-Ph	15	35	5	35
TRB 501.12	1 Bm	500	4	1.5 S-Ph	12	85	6.8	85
TRB 503.5	1 Bm	500	4	0.55 T-Ph	4	85	6.8	85
TRB 503.9	1 Bm	500	4	1.1 T-Ph	9	85	6.8	85
TRB 503.12	1 Bm	500	4	1.5 T-Ph	1	85	6.8	85
TRB 503.18	1 Bm	500	4	2.2 T-Ph	18	85	6.8	85
TRB 503.23	1 Bm	500	4	3 T-Ph	22	85	6.8	85
TRB 803.5	1 Bm	800	3	1.1 T-Ph	5	60	8	90
TRB 803.10	1 Bm	800	3	2.2 T-Ph	10	60	8	90
TRB 803.13	1 Bm	800	3	2.2 T-Ph	13	60	8	90
TRB 803.17	1 Bm	800	3	3 T-Ph	16	60	8	90
TRB 963.5	1 Bm	960	1	1.1 T-Ph	5	17	8	90
TRB 963.10	1 Bm	960	1	2.2 T-Ph	10	17	8	90
TRB 963.13	1 Bm	960	1	2.2 T-Ph	13	17	8	90
TRB 963.17	1 Bm	960	1	3 T-Ph	16	17	8	90

Very low voltage control 2 speeds

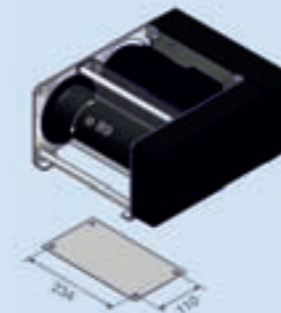
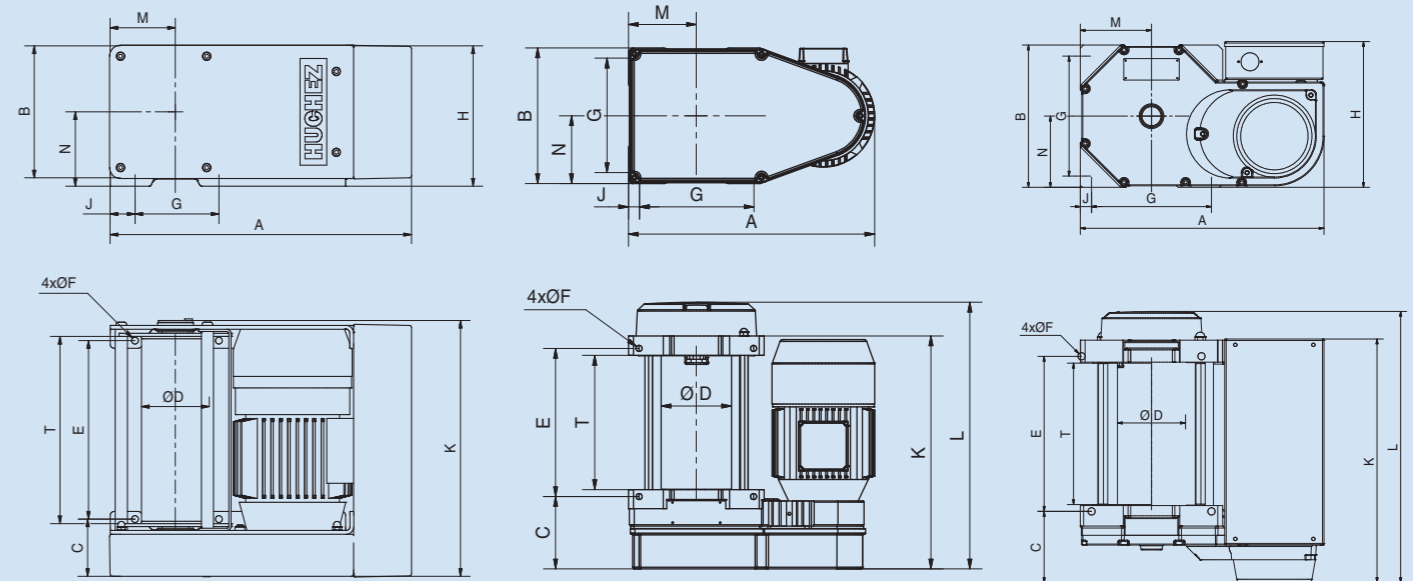
Type	FEM	Capacity on last layer kg	Number of layers	Motor kW	Speed m/mn	Standard drum rope capacity m	Rope dia. mm	Weight kg
TRB 253 V2	1 Bm	250	3	1.1 - 0.35 T-Ph	25-8	60	5	39
TRB 303 V2	1 Bm	300	3	1.1 - 0.35 T-Ph	20-6.5	60	5	39
TRB 353 V2	1 Bm	350	2	1.1 - 0.35 T-Ph	15-5	40	5	39
TRB 503 18 V2	1 Bm	500	4	2.2 - 0.75 T-Ph	18-6	85	6.8	85
TRB 803 13 V2	1 Bm	800	3	2.2 - 0.75 T-Ph	13-4	60	8	90
TRB 963 10 V2	1 Bm	960	1	2.2 - 0.75 T-Ph	10-3	17	8	90
TRB 963 13 V2	1 Bm	960	1	2.2 - 0.75 T-Ph	13-4	17	8	90

Frequency variator

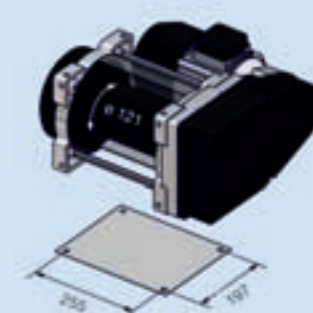
Type	FEM	Capacity on last layer kg	Number of layers	Motor kW	Supply kW	Speed m/mn	Standard drum rope capacity m	Rope dia. mm	Weight kg
TRB 251 VV	1 Bm	250	3	1.1	230V S-Ph	4.5 to 25	60	5	39
TRB 301 VV	1 Bm	300	3	1.1	230V S-Ph	3.5 to 20	60	5	39
TRB 301 VV 10	1 Bm	300	3	1.1	230V S-Ph	1.5 to 10	60	5	39
TRB 351 VV	1 Bm	350	2	1.1	230V S-Ph	2.5 to 15	40	5	39
TRB 501 VV 5	1 Bm	500	4	1.5	230V S-Ph	0.5 to 5	85	6.8	85
TRB 501 VV 9	1 Bm	500	4	1.1	230V S-Ph	1 to 9	85	6.8	85
TRB 501 VV 12	1 Bm	500	4	1.5	230V S-Ph	1.2 to 12	85	6.8	85
TRB 501 VV 18	1 Bm	500	4	2.2	230V S-Ph	1.8 to 18	85	6.8	85
TRB 801 VV 5	1 Bm	800	3	1.1	230V S-Ph	0.5 to 5	60	8	90
TRB 801 VV 10	1 Bm	800	3	2.2	230V S-Ph	1 to 10	60	8	90
TRB 801 VV 13	1 Bm	800	3	2.2	230V S-Ph	1.3 to 13	60	8	90
TRB 961 VV 5	1 Bm	960	1	1.1	230V S-Ph	0.5 to 5	17	8	90
TRB 961 VV 10	1 Bm	960	1	2.2	230V S-Ph	1 to 10	17	8	90
TRB 961 VV 13	1 Bm	960	1	2.2	230V S-Ph	1.3 to 13	17	8	90

Direct control

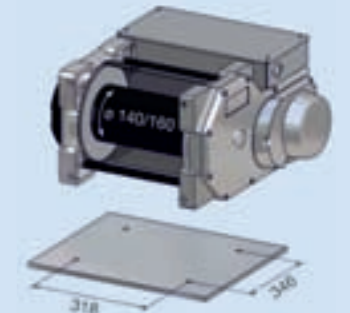
Type	FEM	Capacity on last layer kg	Number of layers	Motor kW	Speed m/mn	Standard drum rope capacity m	Rope dia. mm	Weight kg
TRB 151 CD	1 Cm	150	3	0.75 S-Ph	23	55	4	25
TRB 153 CD	1 Cm	150	3	0.75 T-Ph	23	55	4	25
TRB 251 CD	1 Bm	250	3	1.1 S-Ph	21	55	5	35
TRB 253 CD	1 Bm	250	3	1.1 T-Ph	21	55	5	35
TRB 301 CD	1 Bm	300	3	1.1 S-Ph	19	55	5	35
TRB 303 CD	1 Bm	300	3	1.1 T-Ph	15	55	5	35
TRB 351 CD	1 Bm	350	2	1.1 S-Ph	15	35	5	35
TRB 353 CD	1 Bm	350	2	1.1 T-Ph	15	35	5	35
TRB 501 CD	1 Bm	500	4	1.1 S-Ph	9	85	6.8	81
TRB 503 CD	1 Bm	500	4	1.1 T-Ph	5	85	6.8	81
TRB 803 CD	1 Bm	800	3	1.1 T-Ph	5	60	8	81
TRB 963 CD	1 Bm	960	1	1.1 T-Ph	5	17	8	81



TRB 150 kg



TRB 250 to 350 kg



TRB 500 to 960 kg

TRB DIRECT CONTROL

	A	B	C	øD	E	øF	G	H	J	K	L	M	N	T
TRB 150	350	175	75	76	234	9	110	175	32,5	333	365	85,5	97,5	245
TRB 250-350 standard	426	247	60	121	255	10,5	197	-	18,5	340	386	117	117	230
TRB 250-350 long	426	247	60	121	370	10,5	197	-	18,5	340	501	117	117	345
TRB 500-960 standard	540	292	146	(1)	318	15	246	292	23	498	556	146	146	290
TRB 500-960 long	540	292	146	(1)	463	15	246	292	23	498	701	146	146	435

TRB DC LOW VOLTAGE CONTROL

	A	B	C	øD	E	øF	G	H	J	K	L	M	N	T
TRB 150	395	175	75	76	234	9	110	185	32,5	333	365	85,5	97,5	245
TRB 250-350 standard	426	247	125	121	255	10,5	197	-	18,5	406	452	117	117	230
TRB 250-350 long	426	247	125	121	370	10,5	197	-	18,5	406	567	117	117	345
TRB 500-960 standard	540	292	146	(1)	318	15	246	298	23	498	556	146	146	290
TRB 500-960 long	540	292	146	(1)	463	15	246	298	23	498	701	146	146	435

TRB FREQUENCY VARIATOR

	A	B	C	øD	E	øF	G	H	J	K	L	M	N	T
TRB 250-350 standard	426	247	182	121	255	10,5	197	-	18,5	463	509	117	117	230
TRB 250-350 long	426	247	182	121	370	10,5	197	-	18,5	463	624	117	117	345
TRB 500-960 standard	540	292	146	(1)	318	15	246	400	23	498	556	146	146	290
TRB 500-960 long	540	292	146	(1)	463	15	246	400	23	498	701	146	146	435

(1) Drum diameter is 140 mm for 500 kg model and 160 mm for 800 and 960 kg models.

Optional equipments for the TRBs range

E.C. Standards



Electronic load limiter - Stops the winch in case of overload without cutting the drive train.



Upper and lower limit switch - Easy to set and very reliable.



Rope Slack switch - Automatically stops the winch if the wire rope is not in tension.



Releasable drum (250 to 960 kg) - Only for pulling.



Trouble shooting hand wheel with brake release - Allows, without current, to lower or position a load.



Grooved drum - Essential to install a 2 ways system.



Rope press roll - This is the essential counterpart to the grooved drum.

These options must be defined on order. Our sales team is available to advise you.



Supplementary cable clamp - For 2 ways or lifting a load with several wire ropes.



Radio remote control class 3 - Range 230 meters.



Radio remote control Class B for pulling only.



Hucchez, a complete range of lifting equipment



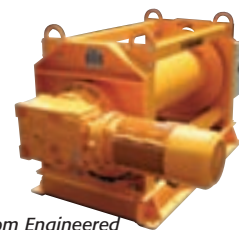
Hand Winch



Electrical, Petrol, Hydraulic Winch



Site Lifting



Custom Engineered



HUCHEZ

60420 Ferrières (Oise) - France
Tel. +33 344 511 133 - Fax +33 344 511 313

www.hucchez.fr