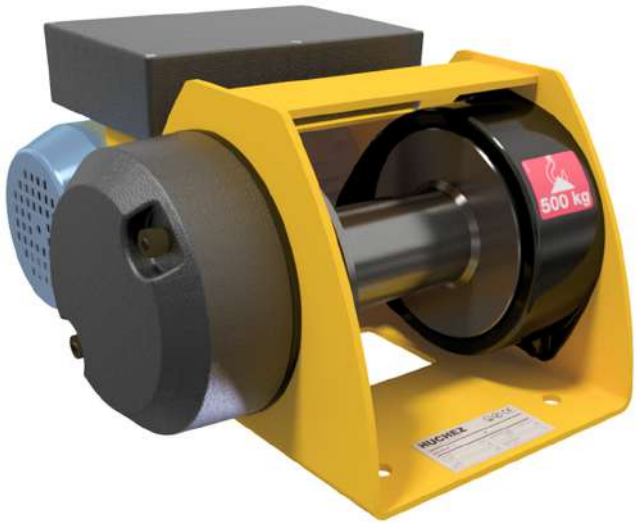
ELECTRIC WINCHES MOTORBOX® FROM 150 TO 500 KG

CE - EC REGULATIONS (2006/42/EC): Emergency stop is obligatory for all electric winches. When lifting, an electric winch or installation, must include in any case: a limit switch device, and from 1000 kg: a load limiter.

- Electric winches designed for simple lifting and pulling operations, ideal for replacing a manual winch.
- Occasional use.
- Maintenance (chandeliers...).
- Moving doors or hatches...

Technical properties

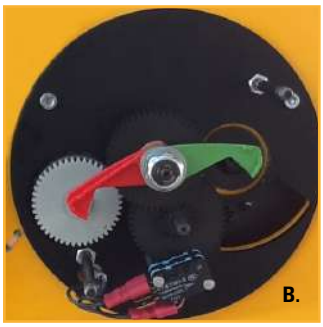
- 2 versions:
> direct control, used only with weather protection,
> or low voltage control (24 V), assuring user protection against electric risks.
- Mechanical parts machined and protected by cataphoresis.
- Mechanical welded steel drum.
- Reducer in oil bath with helical gears.
- Reduction system fully protected by metal or plastic cover, ensuring perfect safety on providing maximum safety.
- Same attachments as the manual winches MANIBOX GR 150, 300 and 500 kg.
- Single phase 230 V motor brake with permanent capacitor 50 Hz lifting type.
- Class F. Protection IP 44 (model 150 kg) and IP 54 (model 300 and 500 kg).
- Updown control box and emergency stop (2 m long).
- Standard limit switch.
- Motor power adapted to all uses, even domestic use.
- Optional protective cover: Contact us (cf. p.59-65).



Motorbox 500 kg BT

Strong points


A.


B.

C.

D.


E.

A. Prevention of musculoskeletal disorders. The motorized manual winch: The solution to replace your manual winch at a reasonable cost!

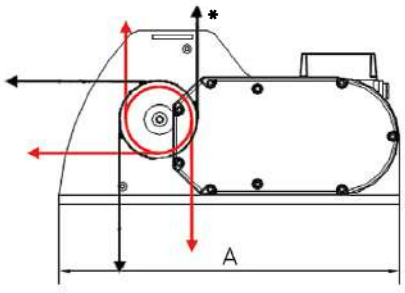
B. Very easy to adjust and extremely reliable limit switch, specially designed by HUCHEZ.

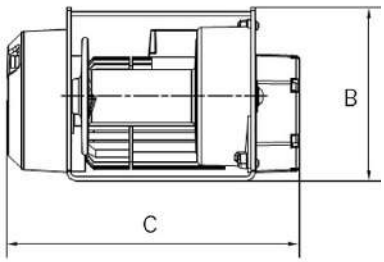
C. Mountings identical to those of the MANIBOX GR 150, 300 or 500 winches to facilitate replacement.

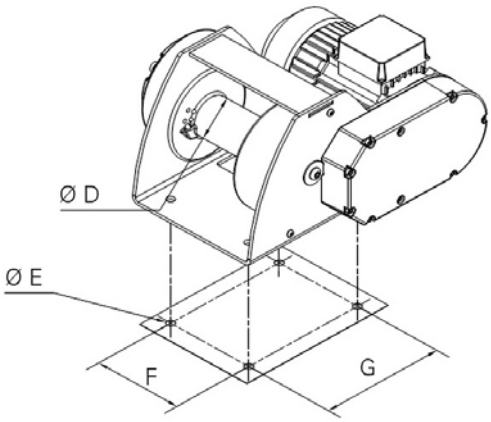
D. MOTORBOX 150 kg. High compactness.

E. MOTORBOX with belt.

Dimensions







Motorbox 150 kg (* only for CD version)

Motorbox 300/500 kg

Models	Motorbox 150 CD	Motorbox 150 BT	Motorbox 300 CD	Motorbox 300 BT	Motorbox 500 CD	Motorbox 500 BT
A mm	310	340	390	424	390	424
B mm	179	210	205	216	205	216
C mm	281	281	341	341	341	341
Ø D mm	54	54	63.5	63.5	63.5	63.5
Ø E mm	9	9	13	13	13	13
F mm	114	114	144	144	144	144
G mm	154	154	200	200	200	200

Applications

1. Opening a door.

2. Pulling a plate on a press.

3. A Motorbox in an industrial site.

Technical characteristics

References	Motorbox 150 CD 6	Motorbox 150 BT 6	Motorbox 300 CD 5	Motorbox 300 BT 5	Motorbox 500 CD 3	Motorbox 500 BT 3
Capacity 1st layer kg	**150**	**150**	**300**	**300**	**500**	**500**
Capacity top layer kg	150	150	300	300	500	500
Nb of layers	3	3	3	3	3	3
Wire rope cap. 1st layer m*	4	4	4	4	4	4
Wire rope cap. top layer m*	15	15	16	16	13.5	13.5
Wire rope Ø mm	4	4	5	5	6	6
Speed 1st layer m/mn	5.5	5.5	4.6	4.6	2.6	2.6
Speed top layer m/mn	7	7	5.9	5.9	3.6	3.6
FEM	1Dm	1Dm	1Dm	1Dm	1Dm	1Dm
Motor kW	0.25	0.25	0.37	0.37	0.37	0.37
Power	1Ph-230 V	1Ph-230V	1Ph - 230 V	1PH-230V	1Ph - 230 V	1Ph-230V
Weight (without wire rope) kg	14	16	27	29	27	29

The indicated rope diameter corresponds to the capacity on the top layer with a safety coefficient equal to (about) 5 when lifting with non-rotating rope.

* Rope and hook extra (see p.88 to 91).

TRBOXTER COMPACT WINCHES FROM 250 TO 1500 KG

CE - EC REGULATIONS (2006/42/EC): Emergency stop is obligatory for all electric winches. When lifting, an electric winch or installation, must include in any case: a limit switch device, and from 1000 kg: a load limiter.

- Range of multifunctional electric winches with many options for fixing and exiting cables.
- Robust and compact, they boast a high operating factor.
- Industry.
- Public buildings and works.
- Stage equipment.
- Integration on many devices, cranes, etc.
- Pulling carriages or wagons to and fro.
- Set up and exit of parts in ovens.
- Hanging chandeliers.
- Boat hauling.
- Doors lifting, hatches opening.
- Goods lift.
- Swimming pool roofs...

Technical properties

- Mechanical welded steel drum.
- Aluminium.
- Exists in two versions:
  - > direct control , used only with weather protection,
  - > or very low voltage control ensuring user protection against electric risks. It allows to operate many options: from the limit switch to the radio remote control, via the load limiter, the wire rope slack switch.
- Sealed reducer in oil bath with helical gears.
- TRBoxter identical mountings allowing replacement in place of old models.
- Optional equipment possible: rain cover, construction frame, tarpauline... (see p.59-65).

TRBoxter 500 kg, direct control model (CD)

DIRECT CONTROL FROM 250 TO 990 KG (CD)

- Asynchronous, single phase (230 V – 50 Hz P=0.75 or 1.1 kW depending on the models) or three-phase (230/400 V – 50 Hz P= 0.75 or 1.1 kW depending on the models) motors.
- Conical brake inside motor.
- 230 V single/380 V three-phase remote control, protection IP 65.
- The limit switch system (option) can be mounted only in single phase models. For three-phase models, it must be incorporated into the installation, otherwise the choice will be for a low-voltage model.

LOW VOLTAGE CONTROL FROM 250 TO 1500 KG 1 SPEED MODELS (BT)

- Asynchronous motors, single phase (230 V – 50 Hz P=0.75 – 1.1 - 1.5 KW depending on the models) or three-phase (230/400 V – 50 Hz P=0.75 - 1.1 - 1.5 - 2.2 - 3 - 4 - 5.5 depending on the models).
- 24 V or 190 V DC electromagnetic brake depending on the model.
- Electrical equipment under sealed cover.
- Very low voltage, 24 V remote control with socket, Protection 65.

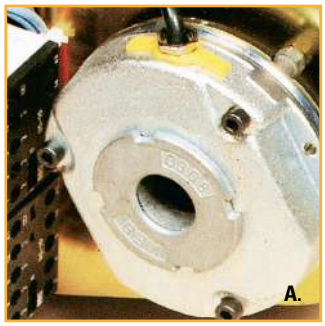
TRBoxter 500 kg, Single speed model (BT)

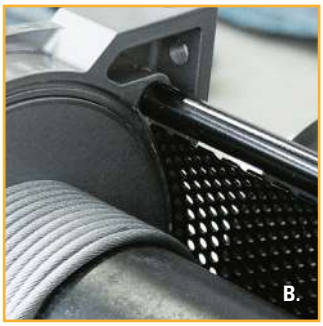
LOW VOLTAGE CONTROL FROM 250 TO 1500 KG - VARIABLE SPEED MODELS (VV)

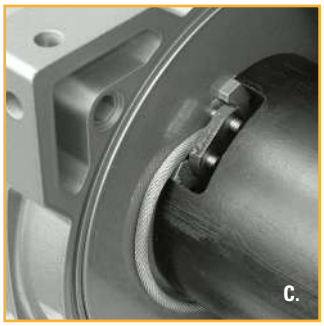
- In addition to the advantages of low voltage, the control allows a variable winding speed, progressive start and stop.
- Particularly recommended for industry, buildings and works, stage equipment…
- Asynchronous, single phase (230 V – 50 Hz P=0.75 – 1.1 – 1.5 - 2.2) or three-phase (230/400 V – 50 Hz P=0.75 – 1.1 – 1.5 – 2.2 – 3 – 4 – 5.5 kW depending on the models).
- 190 V direct current electromagnetic brake.
- Electrical equipment under sealed cover.
- Very low voltage, 24 V remote control with socket, Protection IP 65.

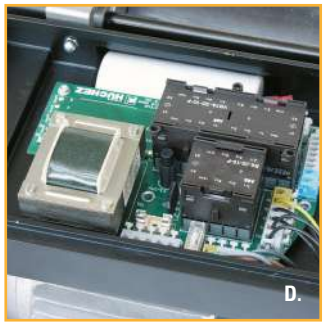
TRBoxter 1500 kg, model with frequency inverter for speed variation (VV)

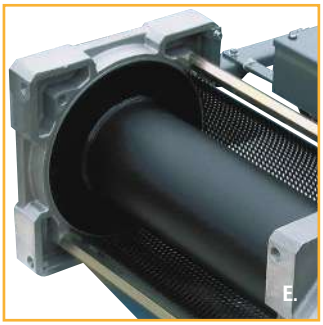
Strong points

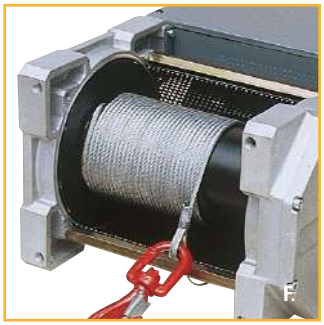












A. Electromagnetic disc brake with power failure (BT and VV models).

B. Drum protected by a perforated metal sheet. Wide flanges for a large cable capacity.

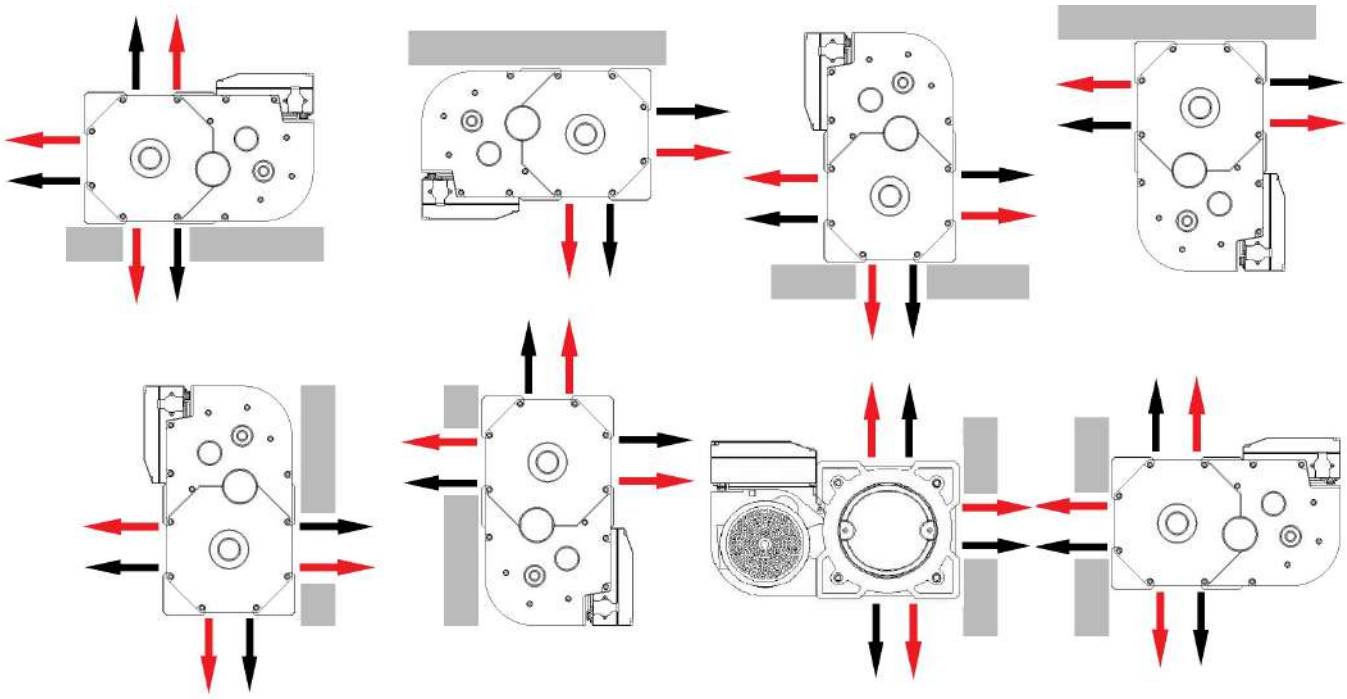
C. Secure cable tie and no special tools. Nut cage for easy attachment.

D. Reliability of electrical and electronic components (BT and VV models).

E. Elongated Drum Models: T drum length and standard cable capacity x 1.5.

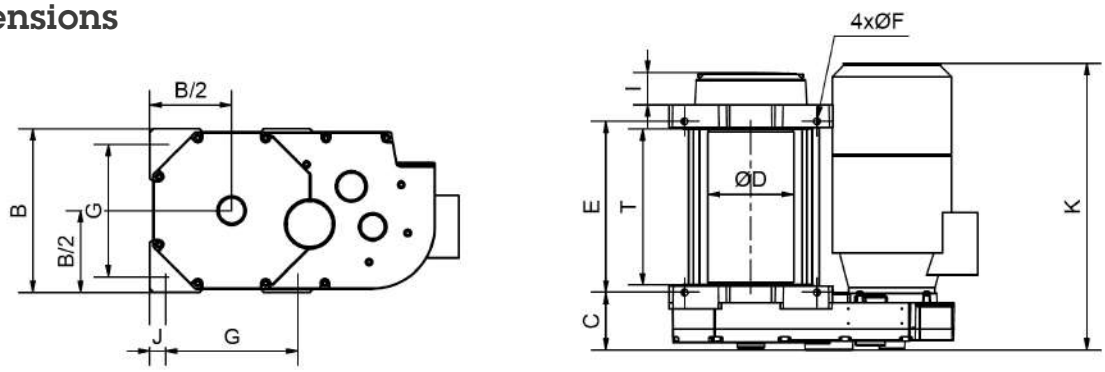
F. Identical fixations for easy replacement instead of old TRBoxters.

Rope outlets

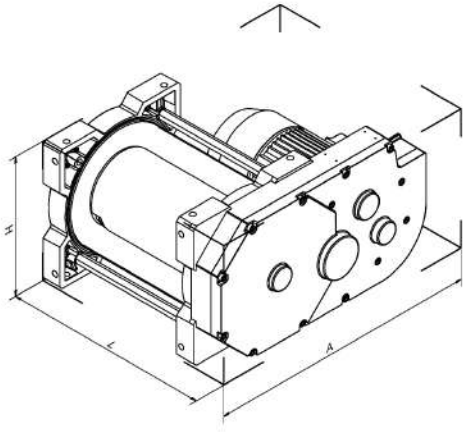


Standard outlet, right hand lay rope.
Non standard outlet, left hand lay rope.

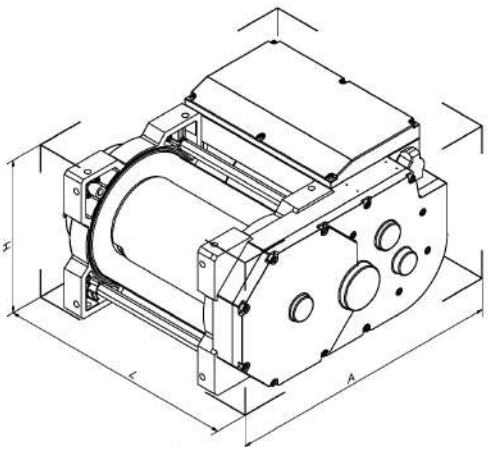
Dimensions



TRBoxter from 250 to 1500 kg – All models



TRBoxter from 250 to 990 kg
Direct control



TRBoxter from 250 to 1500 kg
Low voltage control

DIRECT CONTROL

Models	TRBOXTER 250 to 500		TRBOXTER 600 to 990	
	Standard	Long	Standard	Long
A mm	According to motors, see table.			
B mm	243	243	304	304
C mm	79	79	107.5	107.5
Ø D mm	121	121	159	159
E mm	255	370	318	463
Ø F mm	10.5	10.5	12.5	12.5
G mm	197	197	246	246
H mm	According to motors, see table.			
I mm	68	68	62	62
J mm	23	23	29	29
K mm	356	471	387.5	387.5
L mm	According to motors, see table.			
M mm	121.5	121.5	152	152
N mm	121.5	121.5	152	152
T mm	230	345	290	435

	TRBOXTER 250 to 500					
	Standard			Long		
Motor kW	A mm	L (without/with limit switch) mm	H mm	A mm	L (without/with limit switch) mm	H mm
0.75	451	356 / 421	243	451	468 / 533	243
1.1	462	356 / 421	243	462	468 / 533	243

	TRBOXTER 600 to 990					
	Standard			Long		
Motor kW	A mm	L (without/with limit switch) mm	H mm	A mm	L (without/with limit switch) mm	H mm
0.75	540	456 / 516	304	540	601 / 661	304
1.1	540	456 / 516	304	540	601 / 661	304

LOW VOLTAGE CONTROL – MODELS WITH 1 SPEED

Models	TRBOXTER 250 to 500		TRBOXTER 600 to 1500	
	Standard	Long	Standard	Long
A mm	According to motors, see table.			
B mm	243	243	304	304
C mm	79	79	107.5	107.5
Ø D mm	121	121	159	159
E mm	255	255	318	463
Ø F mm	10.5	10.5	12.5	12.5
G mm	197	197	246	246
H mm	According to motors, see table.			
I mm	68	68	62	62
J mm	23	23	29	29
K mm	356	471	495.5	495.5
L mm	According to motors, see table.			
M mm	121.5	121.5	152	152
N mm	121.5	121.5	152	152
T mm	230	345	290	435

	TRBOXTER 250 to 500					
	Standard			Long		
Motor kW	A mm	L (without/with limit switch) mm	H mm	A mm	L (without/with limit switch) mm	H mm
0.75	451	356 / 421	284.5	451	468 / 533	284.5
1.1	462	356 / 421	284.5	462	468 / 533	284.5
2.2	473	487.5 / 487.5	306.5	473	468 / 533	306.5

	TRBOXTER 600 to 1500					
	Standard			Long		
Motor kW	A mm	L (without/with limit switch) mm	H mm	A mm	L (without/with limit switch) mm	H mm
0.75	535.5	456 / 516	332.5	535,5	601 / 661	332.5
1.1	543	456 / 516	332.5	543	601 / 661	332.5
1.5	541	456 / 516	332.5	541	601 / 661	332.5
2.2	554	507 / 516	332.5	554	601 / 661	332.5
3	558	511 / 516	332.5	558	601 / 661	332.5
4	558	533 / 533	332.5	558	601 / 661	332.5

LOW VOLTAGE CONTROL – MODELS WITH FREQUENCY INVERTER

Models	TRBOXTER 250 to 500		TRBOXTER 600 to 1500	
	Standard	Long	Standard	Long
A mm	According to engines, cf. table opposite.			
B mm	243	243	304	304
C mm	79	79	107.5	107.5
Ø D mm	121	121	159	159
E mm	255	370	318	463
Ø F mm	10.5	10.5	12.5	12.5
G mm	197	197	246	246
H mm	According to motors, see table.			
I mm	68	68	62	62
J mm	23	23	29	29
K mm	356	471	495.5	495.5
L mm	According to motors, see table.			
M mm	121.5	121.5	152	152
N mm	121.5	121.5	152	152
T mm	230	345	290	435

	TRBOXTER 250 to 500					
	Standard			Long		
Motor kW	A mm	L (without/with limit switch) mm	H mm	A mm	L (without/with limit switch) mm	H mm
0.75	475	356 / 421	345	475	468 / 533	345
1.1	475	356 / 421	345	475	468 / 533	345
2.2	475	488 / 487.5	345	475	468 / 533	345
3	477	488 / 488	345	475	468 / 533	345

	TRBOXTER 600 to 1500					
	Standard			Long		
Motor kW	A mm	L (without/with limit switch) mm	H mm	A mm	L (without/with limit switch) mm	H mm
0.75	574	456 / 516	391	574	601 / 661	391
1.1	574	456 / 516	391	574	601 / 661	391
1.5	574	456 / 516	391	574	601 / 661	391
2.2	574	495.5 / 516	391	574	601 / 661	391
3	574	511 / 516	391	574	601 / 661	391
4	574	533 / 533	449	574	601 / 661	449

CE - EC REGULATIONS (2006/42/EC): Emergency stop is obligatory for all electric winches. When lifting, an electric winch or installation, must include in any case: a limit switch device, and from 1000 kg: a load limiter.

Applications


1

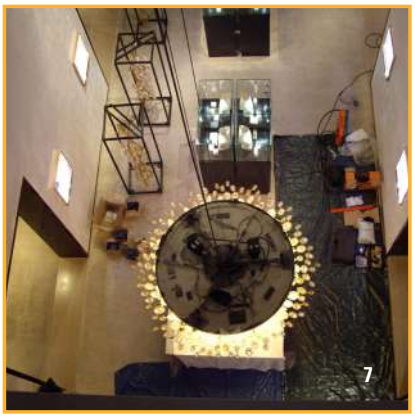

2


3


4


5


6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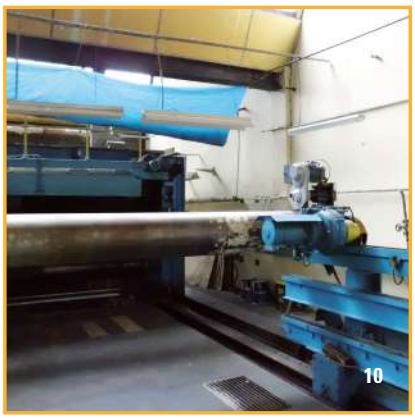
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1. Goods lift.
2. On translation bracket.
3. Under ceiling mounting.
4. Goods lift.
5. Shows.
6. Boat lifting.
7. Handling chandeliers.
8. Moving a trolley on a conveyor during maintenance operations.
9. Loading a houseboat.
10. Handling of printing rolls.

Technical characteristics

DIRECT CONTROL

References	TRBOXTER 251			TRBOXTER 253			TRBOXTER 351		TRBOXTER 353	
	CD9	CD14	CD21	CD9	CD14	CD21	CD9	CD14	CD9	CD14
Capacity 1st layer kg		**290**			**290**			**400**		**400**
Capacity top layer kg		250			250			350		350
Nb of layers		3			3			3		3
Wire rope cap. 1st layer m* **		16			16			16		16
Wire rope cap. top layer m* **		56			56			56		56
Wire rope Ø mm		5			5			5		5
Speed 1st layer m/mn	8.1	13.3	19.8	8.1	13.3	19.8	8.1	13.3	8.1	13.3
Speed top layer m/mn	9.4	15.4	23	9.4	15.4	23	9.4	15.4	9.4	15.4
FEM		1Am			1Am			1Bm		1Bm
Motor kW	0.75	0.75	1.1	0.75	0.75	1.1	0.75	1.1	0.75	1.1
Power		1 Ph-230V			3 Ph-230/400V			1 Ph-230V		3 Ph-230/400V
Weight (without wire rope) kg	44	44	48	44	44	48	44	48	44	48

References	TRBOXTER 501	TRBOXTER 503		TRBOXTER 601	TRBOXTER 603
	CD11	CD4	CD11	CD5	CD5
Capacity 1st layer kg	**600**	**600**		**750**	**750**
Capacity top layer kg	500	500		600	600
Nb of layers	3	3		4	4
Wire rope cap. 1st layer m* **	12	12		19	19
Wire rope cap. top layer m* **	42	42		93	93
Wire rope Ø mm	7	7		7	7
Speed 1st layer m/mn	10	4	10	4.8	4.8
Speed top layer m/mn	12.2	4.9	12.2	6	6
FEM	1Bm	1Bm		1Am	1Am
Motor kW	1.1	0.75	1.1	0.75	0.75
Power	1 Ph-230V	3 Ph-230/400V		1Ph-230V	3Ph-230/400V
Weight (without wire rope) kg	48	44	48	88	88

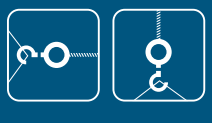
References	TRBOXTER 801	TRBOXTER 803	TRBOXTER 991	TRBOXTER 993
	CD5	CD5	CD5	CD5
Capacity 1st layer kg	**950**	**950**	**1200**	**1200**
Capacity top layer kg	800	800	990	990
Nb of layers	3	3	3	3
Wire rope cap. 1st layer m* **	16.5	16.5	14.5	14.5
Wire rope cap. top layer m* **	59	59	53	53
Wire rope Ø mm	8	8	9	9
Speed 1st layer m/mn	4.3	4.3	4.4	4.4
Speed top layer m/mn	5.2	5.2	5.3	5.3
FEM	1Bm	1Bm	1Bm	1Bm
Motor kW	1.1	1.1	1.1	1.1
Power	1 Ph-230V	3 Ph-230/400V	1Ph-230V	3Ph-230/400V
Weight (without wire rope) kg	92	92	92	92

The indicated rope diameter corresponds to the capacity on the top layer with a safety coefficient equal to (about) 5 when lifting with non-rotating rope.

* Rope and hook extra (see p.88 to 91).

** Lengthened drum models: standard length of drum (T) and rope capacity x 1.5.

TRBOXTER COMPACT WINCHES FROM 250 TO 1500 KG



CE - EC REGULATIONS (2006/42/EC): Emergency stop is obligatory for all electric winches. When lifting, an electric winch or installation, must include in any case: a limit switch device, and from 1000 kg: a load limiter.

Technical characteristics

LOW VOLTAGE CONTROL – MODELS WITH 1 SPEED

References	TRBOXTER 251			TRBOXTER 253				TRBOXTER 351		TRBOXTER 353			TRBOXTER 501
	BT9	BT14	BT21	BT9	BT14	BT21	BT43	BT9	BT14	BT9	BT14	BT26	BT11
Capacity 1st layer kg		**290**			**290**				**400**		**400**		**600**
Capacity top layer kg		250			250				350		350		500
Nb of layers		3			3				3		3		3
Wire rope cap. 1st layer m* **		16			16				16		16		12
Wire rope cap. top layer m* **		56			56				56		56		42
Wire rope Ø mm		5			5				5		5		7
Speed 1st layer m/mn	8.1	13.3	19.8	8.1	13.3	19.8	40.3	8.1	13.3	8.1	13.3	25.7	10
Speed top layer m/mn	9.4	15.4	23	9.4	15.4	23	46.6	9.4	15.4	9.4	15.4	29.8	12.2
FEM		1Am			1Am				1Bm		1Bm		1Bm
Motor kW	0.75	0,75	1.1	0.75	0.75	1.1	2.2	0.75	1.1	0.75	1.1	2.2	1.1
Power		1 Ph-230V			3 Ph-230/400 V				1 Ph-230V		3 Ph-230/400 V		1 Ph-230V
Weight (without wire rope) kg	49	49	51	49	49	51	59	49	51	49	51	59	51

References	TRBOXTER 503			TRBOXTER 601	TRBOXTER 603					TRBOXTER 801
	BT4	BT11	BT21	BT5	BT5	BT10	BT15	BT20	BT30	BT5
Capacity 1st layer kg		**600**		**750**			**750**			**950**
Capacity top layer kg		500		600			600			800
Nb of layers		3		4			4			3
Wire rope cap. 1st layer m* **		12		19			19			16.5
Wire rope cap. top layer m* **		42		93			93			59
Wire rope Ø mm		7		7			7			8
Speed 1st layer m/mn	4	10	20	4.8	4.8	8.8	14.9	17.9	25.5	4.3
Speed top layer m/mn	4.9	12.2	24.2	6	6	11	18.6	22.5	31.9	5.2
FEM		1Bm		1Am		1Am		1Bm		1Bm
Motor kW	0.75	1.1	2.2	0.75	0.75	1.5	2.2	3	4	1.1
Power		3 Ph-230/400 V		1 Ph-230V			3 Ph-230/400 V			1 Ph-230 V
Weight (without wire rope) kg	49	51	59	88	88	101	100	104	107	92

References	TRBOXTER 803				TRBOXTER 991	TRBOXTER 993				TRBOXTER 1503	
	BT5	BT10	BT13	BT17	BT5	BT5	BT10	BT13	BT17	BT4	BT9
Capacity 1st layer kg		**950**			**1200**	**1200**	**1100**	**990**	**990**	**1500**	
Capacity top layer kg		800			990		990			1500	
Nb of layers		3			3	3	2	1	1	1	
Wire rope cap. 1st layer m* **		16.5			14.5		14.5			11.5	
Wire rope cap. top layer m* **		59			53	53	34	14.5	14.5	11.5	
Wire rope Ø mm		8			9		9			11.5	
Speed 1st layer m/mn	4.3	8.7	12	15	4.4	4.4	8.7	12.1	15.1	4.4	8.8
Speed top layer m/mn	5.2	10.3	14.3	17.8	5.3	5.3	10.6	12.1	15.1	4.4	8.8
FEM		1Bm			1Bm	1Bm	1Bm	1Bm	1Cm	1Bm	1Cm
Motor kW	1.1	2.2	3	4	1.1	1.1	2.2	3	4	1.5	3
Power		3 Ph - 230/400 V			1 Ph-230 V		3 Ph - 230/400 V			3 Ph - 230/400 V	
Weight (without wire rope) kg	92	100	104	107	92	92	100	104	107	101	104

The indicated rope diameter corresponds to the capacity on the top layer with a safety coefficient equal to (about) 5 when lifting with non-rotating rope.
* Rope and hook extra (see p.88 to 91). ** Lengthened drum models: standard length of drum (T) and rope capacity x 1.5.

Technical characteristics

LOW VOLTAGE CONTROL – MODELS WITH FREQUENCY INVERTER

References	TRBOXTER 251				TRBOXTER 253					TRBOXTER 351			TRBOXTER 353			
	VV9	VV14	VV21	VV43	VV9	VV14	VV21	VV43	VV60	VV9	VV14	VV26	VV9	VV14	VV26	VV42
Capacity 1st layer kg	**290**				**290**					**400**			**400**			
Capacity top layer kg	250				250					350			350			
Nb of layers	3				3					3			3			
Wire rope cap. 1st layer m* **	16				16					16			16			
Wire rope cap. top layer m* **	56				56					56			56			
Wire rope Ø mm	5				5					5			5			
Adjustable speed 1st layer m/mn	0.8-8	1.3-13	2-20	4-40	0.8-8	1.3-13	2-20	4-40	5.1-51	0.8-8	1.3-13	2.6-26	0.8-8	1.3-13	2.6-26	3.9-39
Adjustable speed top layer m/mn	0.9-9	1.4-14	2.1-21	4.3-43	0.9-9	1.4-14	2.1-21	4.3-43	6-60	0.9-9	1.4-14	3-30	0.9-9	1.4-14	3-30	4.2-42
FEM	1Am				1Am					1Bm			1Bm			
Motor kW	0.75	0.75	1.1	2.2	0.75	0.75	1.1	2.2	3	0.75	1.1	2.2	0.75	1.1	2.2	3
Power	1 Ph-230 V				3 Ph-230/400 V					1 Ph-230 V			3 Ph-230/400 V			
Weight (without wire rope) kg	50	50	54	62	50	50	54	62	66	50	54	62	50	54	62	66

References	TRBOXTER 501			TRBOXTER 503				TRBOXTER 601		TRBOXTER 603					TRBOXTER 801
	VV4	VV11	VV21	VV4	VV11	VV21	VV32	VV5	VV10	VV5	VV10	VV15	VV20	VV30	VV5
Capacity 1st layer kg	**600**			**600**				**750**		**750**					**950**
Capacity top layer kg	500			500				600		600					800
Nb of layers	3			3				4		4					3
Wire rope cap. 1st layer m* **	12			12				19		19					16.5
Wire rope cap. top layer m* **	42			42				93		93					59
Wire rope Ø mm	7			7				7		7					8
Adjustable speed 1st layer m/mn	0.4-4	1-10	2-20	0.4-4	1-10	2-20	2,6-26	0.5-5	0.9-9	0.5-5	0.9-9	1.5-15	1.8-18	2.6-26	0.4-4
Adjustable speed top layer m/mn	0.5-5	1.1-11	2.2-22	0.5-5	1.1-11	2.2-22	3.2-32	0.6-6	1.1-11	0.6-6	1.1-11	1.9-19	2.2-22	3.2-32	0.5-5
FEM	1Bm			1Bm				1Am		1Am					1Bm
Motor kW	0.75	1.1	2.2	0.75	1.1	2.2	3	0.75	1.5	0.75	1.5	2.2	3	4	1.1
Power	1 Ph-230 V			3 Ph-230/400 V				1Ph-230V		3Ph-230/400V					1 Ph-230 V
Weight (without wire rope) kg	50	54	62	50	54	62	66	88	101	88	101	100	104	107	92

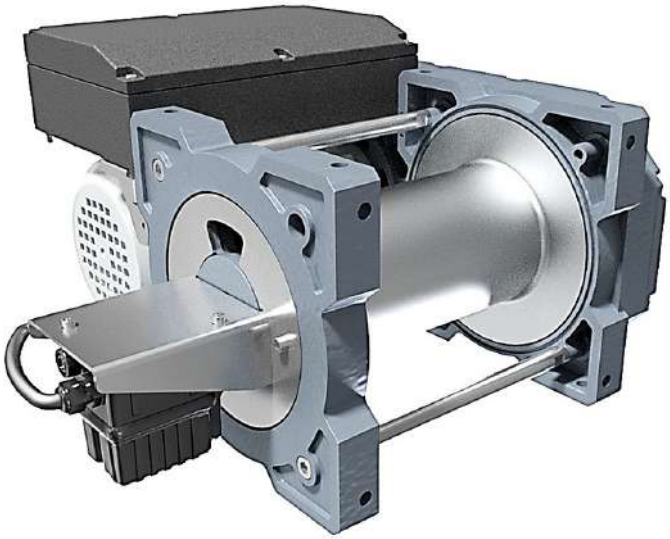
References	TRBOXTER 803				TRBOXTER 991	TRBOXTER 993				TRBOXTER 1501	TRBOXTER 1503	
	VV5	VV10	VV13	VV17	VV5	VV5	VV10	VV13	VV17	VV4	VV4	VV9
Capacity 1st layer kg	**950**				**1200**	**1200**	**1100**	**990**	**990**	**1500**	**1500**	
Capacity top layer kg	800				990	990				1500	1500	
Nb of layers	3				3	3	2	1	1	1	1	
Wire rope cap. 1st layer m* **	16.5				14.5	14.5				11.5	11.5	
Wire rope cap. top layer m* **	59				53	53	34	14.5	14.5	11.5	11.5	
Wire rope Ø mm	8				9	9				11.5	11.5	
Adjustable speed 1st layer m/mn	0.4-4	0.9-9	1.2-12	1.5-15	0.4-4	0.4-4	0.9-9	1.2-12	1.5-15	0.4-4	0.4-4	0.9-9
Adjustable speed top layer m/mn	0.5-5	1-10	1.4-14	1.7-17	0.5-5	0.5-5	1-10	1.2-12	1.5-15	0.4-4	0.4-4	0.9-9
FEM	1Bm	1Bm	1Bm	1Cm	1Bm	1Bm	1Bm	1Bm	1Cm	1Bm	1Bm	1Cm
Motor kW	1.1	2.2	3	4	1.1	1.1	2.2	3	4	1.5	1.5	3
Power	3 Ph- 230/400 V				1 Ph-230 V	3 Ph- 230/400 V				1 Ph-230 V	3 Ph- 230/400 V	
Weight (without wire rope) kg	92	100	104	107	92	92	100	104	107	101	101	104

The indicated rope diameter corresponds to the capacity on the top layer with a safety coefficient equal to (about) 5 when lifting with non-rotating rope.
* Rope and hook extra (see p. 88 to 91). ** Lengthened drum models: standard length of drum (T) and rope capacity x 1.5.

TRBOXTER COMPACT WINCHES
FROM 250 TO 990 KG - STAINLESS STEEL RANGE

NEW

- Range of electric winches designed for simple lifting and pulling applications in a corrosive environment.
- Ideal in harsh environments: offshore, marine, chemical and food industries.

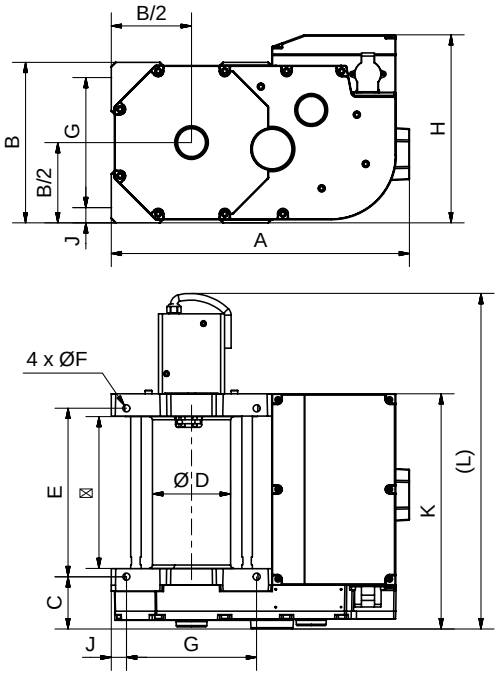


TRBOXTER INOX range for harsh environments

Technical properties

- Stainless steel drum (316 L).
- Very low voltage control ensuring user protection against electric risks.
- Aluminium casing (coated with marine paint C4).
- Up-down pendant control with emergency stop, cable 3 m long.
- 230 V, 50 Hz - Brake single-phase lifting , P = 1.1 kW-type motor. Isolation class F. IP 66.
- Three-phase motor brake 230 /400 V - 50 Hz lifting type, P = 1.1 kW. Isolation class F. IP 66.
- Reducer in oil bath with helical gears.
- Mechanically welded drum with wide flanges for allowing a secure fastening of the wire rope.
- Lengthened drum on request.
- Limit switch IP 66/67 in option.
- Rope press roll, rope slack switch and grooved drum on request.
- Many adaptable options (contact us).

Dimensions



Models	TRBoxter 250 / 500	TRBoxter 750 / 1000
A	452*	540*
B	243	304
C	79	107.5
Ø D	118	140-150
E	255	318
Ø F	10.5	12.5
G	197	246
H	284.5	332.5
J	23	29
K*	356*	456*
L**	(545)	(608)
T	230	290

* Can vary depending on the type of the engine
** with limit switch option

CE - EC REGULATIONS (2006/42/EC): Emergency stop is obligatory for all electric winches. When lifting, an electric winch or installation, must include in any case: a limit switch device, and from 1000 kg: a load limiter.

TRBOXTER COMPACT WINCHES FROM 250 TO 990 KG – STAINLESS STEEL RANGE

Technical characteristics

References	TRBOXTER INOX		TRBOXTER INOX		TRBOXTER INOX		TRBOXTER INOX	
	251	253	501	503	751	753	991	993
	BT20		BT10		BT5		BT5	
Capacity 1st layer kg	300		500		900		990	
Capacity top layer (kg)	250		500		750		990	
No. of layers	3		3		3		3	
Wire rope capacity 1st layer m*	15		11		15		13	
Wire rope cap. on sup. layer m*	54		40		53		48	
Wire rope Ø mm	5		7		9		10	
Speed 1st layer m/mn	19		10		5.5		4	
Speed top layer m/mn	22		12		6.5		5	
FEM	1Am		1Bm		1Am		1Bm	
Motor kW	1.1		1.1		1.1		1.1	
Power supply	1 Ph - 230 V	3 Ph - 230/400 V	1 Ph - 230 V	3 Ph - 230/400 V	1 Ph - 230 V	3 Ph - 230/400 V	1 Ph - 230 V	3 Ph - 230/400 V
Weight (without wire rope) kg	55		55		95		95	

* Rope and hook extra (see p. 88 to 91).

See Trolleys for winches (high lifting) p.48