

TE-SERIE

600 TO 10 000 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.

- A range of electric winches designed for every lifting application up to 10 tons as standard. Robustness and large winding capacity allowing them to address a wide range of uses.
- Wall mounting possibility.
- Industry.
- Building and public works.
- High-rise building sites.
- Load elevators.

► Technical properties

► LOW VOLTAGE CONTROL MODELS WITH 1 SPEED

- Motor: three-phase 230/400V-50Hz. IP 54.
- Sealed very low voltage electrical unit consisting of:
 - > Contactors,
 - > 24 V transformers,
 - > Thermal circuit breaker,
 - > Disconnectable pendant control with 3 m of cable.
- Reducers:
 - > Bronze wheel and wormgear in oil bath for models between 600 and 1600 kg,
 - > Taper couple and straight-cut gears for models between 2000 and 10 000 kg,
 - > Secondary reducer for gears under cover.
- Various drum lengths to choose from.
- Numerous rope outlet possibilities.

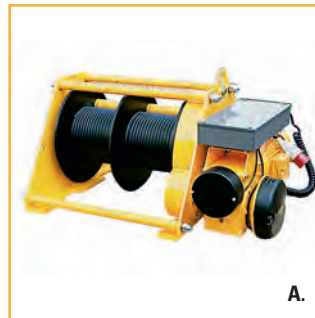
► LOW VOLTAGE CONTROL MODELS WITH FREQUENCY INVERTER

- Smooth starting and stopping.
- Adjustable speed from 10% to 100% with gradual potentiometer.
- Acceleration and deceleration programming tables.
- According to use, speed programming.
- Not disconnectable pendant control.



► TE 5T

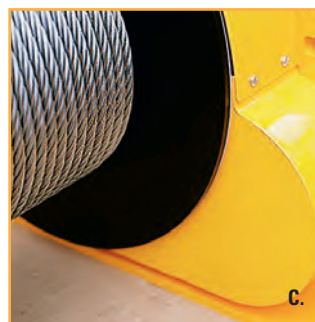
► Strong points



A.



B.



C.



D.

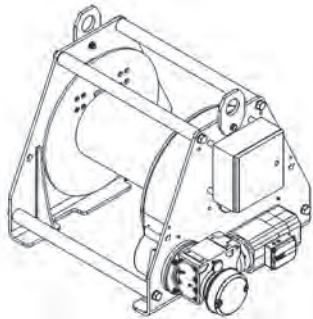
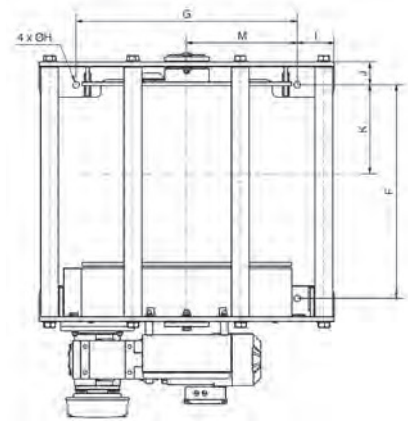
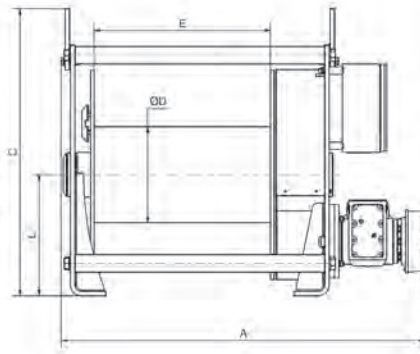
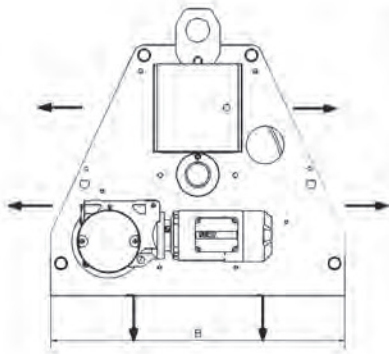
A. The modular design of the TE-Serie allows easy and economical adaptation to your specific needs: length of drums on request (option), rope slack switch and rope-press roller easily adjustable.

B. Rugged and reliable parts.

C. Safety: mechanical parts are protected.

D. Length of drums on request (option).

Dimensions



Models	600 to 1600 TE	2000 to 5000 TE	7500 TE	10000 TE
B mm	720	1000	1200	1240
C mm	545	973	1143	1295
G mm	570	750	1000	1000
I mm	75	125	100	120
J mm	50	78	73	50
L mm	235	410	500	662
E = Drum 300mm	A = 788	A (contact us)	-	-
	F = 365	F = 425	-	-
	K = 160	K = 153	-	-
E = Drum 400mm*	-	-	A = 1071	A = 1259
	-	-	F = 522	F = 816
	-	-	K = 212	K = 355
E = Drum 600mm std	A = 1088	A (contact us)	-	-
	F = 665	F = 725	-	-
	K = 310	K = 303	-	-
E = Drum 800mm*	-	-	A = 1471	A = 1659
	-	-	F = 922	F = 1216
	-	-	K = 412	K = 555
E = Drum 900mm	-	A (contact us)	A = 1571	A = 1759
	-	F = 1025	F = 1022	F = 1316
	-	K = 453	K = 462	K = 605
E = Drum 1200mm	-	A (contact us)	A = 1871	A = 2059
	-	F = 1325	F = 1322	F = 1616
	-	K = 603	K = 612	K = 755

* The 400 and 800 mm lengths are only dedicated to 7.5 and 10 t models.

Models	600 TE	900-1000 TE	1300-1600 TE	2000 TE	2600 TE	3300 TE	5000 TE	7500 TE	10000 TE
Ø câble mm	7	8	11.5	11.5	13	15.8	18	22	24
Ø D mm	203	203	203	324	324	324	324	394	394
Layers	1st 5th	1st 5th	1st 4th	1st 4th	1st 4th	1st 4th	1st 4th	1st 4th	1st 5th
Wire rope cap. m, E = 300mm	29 160	23 140	16 80	24 115	21 100	17 85	15 80	- -	- -
Wire rope cap. m, E = 400 mm *	- -	- -	- -	- -	- -	- -	- -	20 106	18 131
Wire rope cap. m, E = 600mm std	56 325	48 280	33 160	52 235	46 215	37 180	33 160	- -	- -
Wire rope cap. m, E = 800mm*	- -	- -	- -	- -	- -	- -	- -	44 216	40 265
Wire rope cap. m, E = 900mm	- -	- -	- -	79 360	70 320	58 270	50 245	50 244	45 299
Wire rope cap. m, E = 1200mm	- -	- -	- -	107 480	95 430	78 365	68 325	67 326	62 400

* The 400 and 800 mm lengths are only dedicated to 7.5 and 10 t models.

Applications



1. Lifting loads in a cement factory.



2. Installation of a formwork on a construction site.



3. Pulling of weights to compress the snow on a ski jump.



4. Lifting a conveyor belt to load barges.



Technical characteristics

LOW VOLTAGE CONTROL - MODELS WITH 1 SPEED

References	TE 600 S				TE 900 S		TE 1000 S	
	10BT	16BT	22BT	8BT	11BT	22BT	6BT	13BT
Capacity 1st layer kg	755				1165		1300	
Capacity top layer kg	600				900		1000	
Nb of layers	5				5		5	
Wire rope cap. 1st layer m*	56				48		48	
Wire rope cap. top layer m*	325				280		280	
Wire rope Ø mm	7				8		8	
Speed 1st layer m/mn	8.5	13	17.5	6.5	8.5	17.5	5	10.5
Speed top layer m/mn	10	16	22	8	11	22	6	13
FEM	2m				2m		2m	
Motor kW	2.2	3	4	2.2	3	5.5	2.2	4
Power	3 Ph-230/400V				3 Ph-230/400V		3 Ph-230/400V	
Weight (without wire rope) kg	215	220	220	215	220	220	215	220

References	TE 1300 S		TE 1600 S		TE 2000 S		TE 2600 S	
	5BT	14BT	5BT	11BT	5BT	11BT	4BT	8BT
Capacity 1st layer kg	1710		2110		2410		3200	
Capacity top layer kg	1300		1600		2000		2600	
Nb of layers	4		4		4		4	
Wire rope cap. 1st layer m*	33		33		52		46	
Wire rope cap. top layer m*	160		160		235		215	
Wire rope Ø mm	11.5		11.5		11.5		13	
Speed 1st layer m/mn	4	10.5	3.5	8.5	4	9.5	3.5	7
Speed top layer m/mn	5	14	5	11	5	11	4	9
FEM	2m		2m		2m		2m	
Motor kW	2.2	5.5	2.2	5.5	2.2	4	2.2	4
Power	3 Ph-230/400V		3 Ph-230/400V		3 Ph-230/400V		3 Ph-230/400V	
Weight (without wire rope) kg	215	220	215	220	670	700	670	695

References	TE 3300 S		TE 5000 S			TE 7500 S	TE 10000 S
	4BT	7BT	2BT	4BT	10BT	4BT	6BT
Capacity 1st layer kg	4220		6575			9875	14 230
Capacity top layer kg	3300		5000			7500	10 000
Nb of layers	4		4			4	5
Wire rope cap. 1st layer m*	37		33			44	40
Wire rope cap. top layer m*	180		160			215	265
Wire rope Ø mm	15.8		18			22	24
Speed 1st layer m/mn	2.5	5.5	1.5	3	7.5	3	4
Speed top layer m/mn	4	7	2	4	10	4	6
FEM	2m		2m			2m	1Bm
Motor kW	2.2	4	2.2	4	11	5.5	11
Power	3 Ph-230/400V		3 Ph-230/400V		3 Ph-400/690V	3 Ph-230/400V	
Weight (without wire rope) kg	680	700	710	730	815	1250	1950

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).

Technical characteristics

LOW VOLTAGE CONTROL - MODELS WITH FREQUENCY INVERTER

References	TE 600 S			TE 900 S			TE 1000 S	
	10VV	16VV	22VV	8VV	11VV	22VV	6VV	13VV
Capacity 1st layer kg		755			1165			1300
Capacity top layer kg		600			900			1000
Nb of layers		5			5			5
Wire rope cap. 1st layer m*		56			48			48
Wire rope cap. top layer m*		325			280			280
Wire rope Ø mm		7			8			8
Adjustable speed 1st layer m/mn	0.8-8.5	1.3-13	1.7-17.5	0.6-6.5	0.8-8.5	1.7-17.5	0.5-5	1-10.5
Adjustable speed top layer m/mn	1-10	1.6-16	2.2-22	0.8-8	1.1-11	2.2-22	0.6-6	1.4-14
FEM		2m			2m			2m
Motor kW	2.2	3	4	2.2	3	5.5	2.2	4
Power	1 Ph - 230V / 3 Ph-230/400V		3 Ph- 230/400V	1 Ph - 230V / 3 Ph-230/400V		3 Ph-230/400V	1 Ph - 230V / 3 Ph-230/400V	
Weight (without wire rope) kg	215	220	220	215	220	220	215	220

References	TE 1300 S		TE 1600 S		TE 2000 S		TE 2600 S	
	14VV		11VV		11VV		4VV	8VV
Capacity 1st layer kg	1710		2110		2410		3200	
Capacity top layer kg	1300		1600		2000		2600	
Nb of layers	4		4		4		4	
Wire rope cap. 1st layer m*	33		33		52		46	
Wire rope cap. top layer m*	160		160		235		215	
Wire rope Ø mm	11.5		11.5		11.5		13	
Adjustable speed 1st layer m/mn	1-10.5		0.9-9		1-10		0.4-4	0.7-7
Adjustable speed top layer m/mn	1.4-14		1.2-12		1.2-12		0.5-5	0.9-9
FEM	2m		2m		2m		2m	
Motor kW	5.5		5.5		4		2.2	4
Power	3 Ph - 230/400 V		3 Ph - 230/400 V		3 Ph - 230/400 V		1 Ph - 230 V / 3 Ph - 230/400 V	
Weight (without wire rope) kg	220		220		700		670	700

References	TE 3300 S			TE 5000 S		TE 7500 S		TE 10000 S
	4VV	7VV	2VV	4VV	10VV	4VV	6VV	
Capacity 1st layer kg	4220			6575		9875		14 230
Capacity top layer kg	3300			5000		7500		10 000
Nb of layers	4			4		4		5
Wire rope cap. 1st layer m*	37			33		44		40
Wire rope cap. top layer m*	180			160		215		265
Wire rope Ø mm	15.8			18		22		24
Adjustable speed 1st layer m/mn	0.3-3	0.6-6	0.1-1.5	0.3-3	0.7-7.5	0.3-3		0.4-4.2
Adjustable speed top layer m/mn	0.4-4	0.7-7	0.2-2	0.4-4	1-10	0.4-4		0.6-6
FEM	2m			2m		2m		1Bm
Motor kW	2.2	4	2.2	4	11	5.5		11
Power	1 Ph - 230 V / 3 Ph - 230/400 V		3 Ph - 230/400 V	1 Ph - 230 V / 3 Ph - 230/400 V		3 Ph - 230/400 V	3 Ph - 400 V	
Weight (without wire rope) kg	680	700	710	730	815	1250		1950

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).