

## INDUSTRIA 4 t, FEM/ISO 1Am/M4, long drum - 2 m/min, low voltage control with



Electric winch. Capacity: 4000 kg. Range of electric winches initially designed to satisfy the needs of the industrial sector. FEM/ISO 1Am/M4 classification. Long drum.

Use:

- All lifting or pulling/hauling applications
- Industry
- Building and public works
- Integration into cranes...
- Pulling/hauling of heavy loads
- Conveyor belt tensioning
- Opening hatches
- Lifting sluice gates
- Stage industry...

Made in France. Comply with Machines Directive 2006/42/EC and standard NF 14492-1.

### Technical properties

- Robust and highly compact.
- Vertical mounting possible.
- 230 V-50 Hz single phase or 230/400 V - 50 Hz three-phase brake motor. IP 55 Protection. Other voltage or frequencies optional. P = 2,2 kW.
- Motor position: horizontal (possibility of vertical on request).
- FEM/ISO 1Am/M4 classification.
- Long drum.
- The low voltage control protects the user from electrical risks. It makes it possible to operate a wide range of options: from limit switch to radio control, including a load limiter and a rope slack switch...
- The tie-rods are mobile according to the rope outlet.
- Anti-escape system for the rope.
- Reduced space between the tie-rod and the drum.
- Rope-press roller and rope slack switch incorporated under the upper tie-rod (incorporation into the tie-rod as an option).
- Reliable electric and electronic components.
- Limit switch obligatory when lifting and from 1000 kg, load limiter.
- Sealed electrical unit on the winch model with frequency inverter consisting on: frequency inverter, braking resistance, not disconnectable pendant control with potentiometer (3 m of cable).
- Adjustable speed from 10 % to 100 % with potentiometer.
- Acceleration and deceleration programming tables. According to use, speed programming.
- Reduced-maintenance planetary reduction gears.
- Numerous rope outlet possibilities.

- Options available: rope-press roller, grooved drum, specific paint, drum length on request, phases detector, lower chassis, timer, tarpauline cover...

## Technical characteristics of INDUSTRIA 4 t, FEM/ISO 1Am/M4, long drum - 2 m/min, low voltage control with frequency inverter

References	INDUSTRIL_4T_02
Capacity 1st layer kg	4985
Capacity top layer kg	4000
Nb of layers	3
Wire rope cap. 1st layer m	29
Max. rope capacity m	105
Wire rope Ø mm	18
Adjustable speed 1st layer m/min	0,2-2
Adjustable speed top layer m/min	0,2-2,5
FEM	1Am
Motor kW	2,2
Power	1Ph-230V or 3Ph-230/400V
Weight kg	450

## Dimensions

References	INDUSTRIL_4T_02
A mm	1419
B mm	520
C mm	737
D mm	Ø 292
E mm	600
F mm	850
G mm	420
H mm	Ø 22
N mm	905



## Technical characteristics of the other models of the range

References	INDUSTRIL_2T_05BT	INDUSTRIL_2T_05VV	INDUSTRIL_2T_09VV	INDUSTRIL_2T_09BT	INDUSTRIL_2T_23VV
Capacity 1st layer kg	2420	2420	2420	2420	2420
Capacity top layer kg	2000	2000	2000	2000	2000
Nb of layers	3	3	3	3	3
Wire rope cap. 1st layer m	35	35	35	35	35
Max. rope capacity m	120	120	120	120	120
Wire rope Ø mm	11,5	11,5	11,5	11,5	11,5
Adjustable speed 1st layer m/min		0,4-4,5			
Adjustable speed top layer m/min		0,5-5,5			
Maxi. speed 1st layer m/min	4,5		0,8-8	8	1,9-19
Maxi. speed top layer m/min	5,5		0,9-9,5	9,5	2-23
FEM	1Am	1Am	1Am	1Am	1Am
Motor kW	2,2	2,2	4	4	9,2
Power	3Ph-230/400V	1Ph-230V or 3Ph-230/400V	3Ph-230/400V	3Ph-230/400V	3Ph-230/400V
Weight kg	260		300	280	360

References	INDUSTRIL_3T_03BT	INDUSTRIL_3T_03VV	INDUSTRIL_3T_06BT	INDUSTRIL_3T_06VV	INDUSTRIL_3T_15VV
Capacity 1st layer kg	3765	3765	3765	3765	3765
Capacity top layer kg	3000	3000	3000	3000	3000
Nb of layers	3	3	3	3	3
Wire rope cap. 1st layer m	28	28	28	28	28
Max. rope capacity m	102	102	102	102	102
Wire rope Ø mm	14	14	14	14	14
Adjustable speed 1st layer m/min		0,2-2,5	4,5	0,4-4,5	1,2-12
Adjustable speed top layer m/min		0,3-3,5	5,5	0,5-5,5	1-15
Maxi. speed 1st layer m/min	2,5				
Maxi. speed top layer m/min	3,5				
FEM	1Am	1Am	1Am	1Am	1Am
Motor kW	2,2	2,2	4	4	9,2
Power	3Ph-230/400V	1Ph-230V or 3Ph-230/400V	3Ph-230/400V	3Ph-230/400V	3Ph-230/400V
Weight kg	260		280	300	360

References	INDUSTRIL_4T_02BT	INDUSTRIL_4T_02VV	INDUSTRIL_4T_05BT	INDUSTRIL_4T_05VV	INDUSTRIL_4T_12VV
Capacity 1st layer kg	4985	<b>4985</b>	4985	4985	4985
Capacity top layer kg	4000	<b>4000</b>	4000	4000	4000
Nb of layers	3	<b>3</b>	3	3	3
Wire rope cap. 1st layer m	29	<b>29</b>	29	29	29
Max. rope capacity m	105	<b>105</b>	105	105	105
Wire rope Ø mm	18	<b>18</b>	18	18	18
Adjustable speed 1st layer m/min	2	<b>0,2-2</b>		0,3-3,5	1-10
Adjustable speed top layer m/min	2,5	<b>0,2-2,5</b>		0,4-4,5	1-12
Maxi. speed 1st layer m/min			3,5		
Maxi. speed top layer m/min			4,5		
FEM	1Am	<b>1Am</b>	1Am	1Am	1Am
Motor kW	2,2	<b>2,2</b>	4	4	9,2

Power	3Ph-230/400V	1Ph-230V or 3Ph-230/400V	3Ph-230/400V	3Ph-230/400V	3Ph-230/400V
Weight kg	440	450	470	500	500

References	INDUSTRIL_5T_03BT	INDUSTRIL_5T_03VV	INDUSTRIL_5T_07BT	INDUSTRIL_5T_07VV	INDUSTRIL_5T_17VV
Capacity 1st layer kg	6230	6230	6230	6230	6230
Capacity top layer kg	5000	5000	5000	5000	5000
Nb of layers	3	3	3	3	3
Wire rope cap. 1st layer m	29	29	29	29	29
Max. rope capacity m	105	105	105	105	105
Wire rope Ø mm	18	18	18	18	18
Adjustable speed 1st layer m/min		0,2-2,5		0,6-6	1,4-14
Adjustable speed top layer m/min		0,3-3		0,7-7,5	1-17
Maxi. speed 1st layer m/min	2,5		6		
Maxi. speed top layer m/min	3		7,5		
FEM	1Am	1Am	1Am	1Am	1Am
Motor kW	3	3	9,2	9,2	9,2
Power	3Ph-230/400V	3Ph-230/400V	3Ph-230/400V	3Ph-230/400V	3Ph-230/400V
Weight kg	450	480	530	540	615

References	INDUSTRIL_6T_02BT	INDUSTRIL_6T_02VV	INDUSTRIL_6T_06BT	INDUSTRIL_6T_06VV	INDUSTRIL_6T_14VV
Capacity 1st layer kg	7480	7480	7480	7480	7480
Capacity top layer kg	6000	6000	6000	6000	6000
Nb of layers	3	3	3	3	3
Wire rope cap. 1st layer m	29	29	29	29	29
Max. rope capacity m	104	104	104	104	104
Wire rope Ø mm	20	20	20	20	20
Adjustable speed 1st layer m/min		0,1-1,5		0,5-5,5	1,1-11
Adjustable speed top layer m/min		0,2-2		0,6-6	1-14
Maxi. speed 1st layer m/min	1,5		5		
Maxi. speed top layer m/min	2		6		
FEM	1Am	1Am	1Am	1Am	1Am
Motor kW	3	3	9,2	9,2	15
Power	3Ph-230/400V	3Ph-230/400V	3Ph-230/400V	3Ph-230/400V	3Ph-230/400V
Weight kg	580	610	660	670	745

References	INDUSTRIL_7T_02BT	INDUSTRIL_7T_02VV	INDUSTRIL_7T_06BT	INDUSTRIL_7T_06VV	INDUSTRIL_7T_15VV
Capacity 1st layer kg	8725	8725	8725	8725	8725
Capacity top layer kg	7000	7000	7000	7000	7000
Nb of layers	3	3	3	3	3
Wire rope cap. 1st layer m	28	28	28	28	28
Max. rope capacity m	104	104	104	104	104
Wire rope Ø mm	22	22	22	22	22
Adjustable speed 1st layer m/min		0,1-1,5		0,4-4,5	1,2-12
Adjustable speed top layer m/min		0,2-2		0,5-5,5	1-15
Maxi. speed 1st layer m/min	1,5		4,5		

Maxi. speed top layer m/min	2		5,5		
FEM	1Am	1Am	1Am	1Am	1Am
Motor kW	3	3	9,2	9,2	22
Power	3Ph-230/400V	3Ph-230/400V	3Ph-230/400V	3Ph-230/400V	3Ph-230/400V
Weight kg	840	870	910	920	1085

References	INDUSTRIL_8T_02BT	INDUSTRIL_8T_02VV	INDUSTRIL_8T_05BT	INDUSTRIL_8T_05VV	INDUSTRIL_8T_13VV
Capacity 1st layer kg	9975	9975	9975	9975	9975
Capacity top layer kg	8000	8000	8000	8000	8000
Nb of layers	3	3	3	3	3
Wire rope cap. 1st layer m	28	28	28	28	28
Max. rope capacity m	104	104	104	104	104
Wire rope Ø mm	22	22	22	22	22
Adjustable speed 1st layer m/min	2,5	0,2-2		0,4-4	1-10
Adjustable speed top layer m/min	2	0,2-2,5		0,5-5	1-13
Maxi. speed 1st layer m/min			4		
Maxi. speed top layer m/min			5		
FEM	1Am	1Am	1Am	1Am	1Am
Motor kW	4	4	9,2	9,2	22
Power	3Ph-230/400V	3Ph-230/400V	3Ph-230/400V	3Ph-230/400V	3Ph-230/400V
Weight kg	850	880	910	920	1085

References	INDUSTRIL_9T_02BT	INDUSTRIL_9T_02VV	INDUSTRIL_9T_05BT	INDUSTRIL_9T_05VV	INDUSTRIL_9T_13VV
Capacity 1st layer kg	11120	11120	11120	11120	11120
Capacity top layer kg	9000	9000	9000	9000	9000
Nb of layers	3	3	3	3	3
Wire rope cap. 1st layer m	29	29	29	29	29
Max. rope capacity m	107	107	107	107	107
Wire rope Ø mm	24	24	24	24	24
Adjustable speed 1st layer m/min		0,1-1,5		0,4-4	1,1-11
Adjustable speed top layer m/min		0,2-2		0,4-4,5	1-13
Maxi. speed 1st layer m/min	1,5		4		
Maxi. speed top layer m/min	2		4,5		
FEM	1Am	1Am	1Am	1Am	1Am
Motor kW	4	4	9,2	9,2	22
Power	3Ph-230/400V	3Ph-230/400V	3Ph-230/400V	3Ph-230/400V	3Ph-230/400V
Weight kg	1160	1190	1230	1250	1415

References	INDUSTRIL_10T_03BT	INDUSTRIL_10T_03VV	INDUSTRIL_10T_05BT	INDUSTRIL_10T_05VV	INDUSTRIL_10T_10VV
Capacity 1st layer kg	12355	12355	12355	12355	12355
Capacity top layer kg	10000	10000	10000	10000	10000
Nb of layers	3	3	3	3	3
Wire rope cap. 1st layer m	29	29	29	29	29
Max. rope capacity m	107	107	107	107	107
Wire rope Ø mm	24	24	24	24	24
Adjustable speed 1st layer m/min				0,3-3,5	0,8-8

Adjustable speed top layer m/min				0,4-4,5	1-10
Maxi. speed 1st layer m/min	2	0,2-2	3,5		
Maxi. speed top layer m/min	2	0,2-2,5	4,5		
FEM	1Am	1Am	1Am	1Am	1Am
Motor kW	5,5	5,5	9,2	9,2	22
Power	3Ph-230/400V	3Ph-230/400V	3Ph-230/400V	3Ph-230/400V	3Ph-230/400V
Weight kg	1180	1210	1230	1250	1415



### HUCHEZ's advice

**Strong points:** These compact winches satisfy the needs of the industrial sector. Mobile tie-rods according to the rope outlet. Numerous options available.



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