

## INDUSTRIA 3 t, FEM/ISO 1Am/M4, long drum - 15 m/min, low voltage control



Electric winch. Capacity: 3000 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.
- 230/400 V - 50 Hz three-phase brake motor. IP 55 Protection. Other voltage or frequencies optional. P = 9,2 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 of: 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 3 t, FEM/ISO 1Am/M4, long drum - 15 m/min, low voltage control with frequency inverter

| References                       | INDUSTRIL_3T_15 |
|----------------------------------|-----------------|
| Capacity 1st layer kg            | 3765            |
| Capacity top layer kg            | 3000            |
| Nb of layers                     | 3               |
| Wire rope cap. 1st layer m       | 28              |
| Max. rope capacity m             | 102             |
| Wire rope Ø mm                   | 14              |
| Adjustable speed 1st layer m/min | 1,2-12          |
| Adjustable speed top layer m/min | 1-15            |
| FEM                              | 1Am             |
| Motor kW                         | 9,2             |
| Power                            | 3Ph-230/400V    |
| Weight kg                        | 360             |

## Dimensions

| References | INDUSTRIL_3T_15 |
|------------|-----------------|
| A mm       | 1335            |
| B mm       | 420             |
| C mm       | 500             |
| D mm       | Ø 219,1         |
| E mm       | 600             |
| F mm       | 840             |
| G mm       | 330             |
| H mm       | Ø 16            |
| N mm       | 902             |



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

| References                       | INDUSTRIL_4T_02BT | INDUSTRIL_4T_02VV | INDUSTRIL_4T_05BT | INDUSTRIL_4T_05VV | INDUSTRIL_4T_12VV |
|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Capacity 1st layer kg            | 4985              | 4985              | 4985              | 4985              | 4985              |
| Capacity top layer kg            | 4000              | 4000              | 4000              | 4000              | 4000              |
| 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 | 2                 | 0,2-2             |                   | 0,3-3,5           | 1-10              |
| Adjustable speed top layer m/min | 2,5               | 0,2-2,5           |                   | 0,4-4,5           | 1-12              |
| Maxi. speed 1st layer m/min      |                   |                   | 3,5               |                   |                   |
| Maxi. speed top layer m/min      |                   |                   | 4,5               |                   |                   |
| FEM                              | 1Am               | 1Am               | 1Am               | 1Am               | 1Am               |
| Motor kW                         | 2,2               | 2,2               | 4                 | 4                 | 9,2               |

|           |              |                             |              |              |              |
|-----------|--------------|-----------------------------|--------------|--------------|--------------|
| Power     | 3Ph-230/400V | 1Ph-230V or<br>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.



HUCHEZ  
4, rue Michel HAMMID  
60420 FERRIERES – France  
☎ +33 (0) 3 44 51 11 33  
🌐 [www.huchez.com](http://www.huchez.com)  
✉ [contact@huchez.fr](mailto:contact@huchez.fr)



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