

# minifor<sup>®</sup>

portable electric hoists with unlimited height of lift

CE



HIGH QUALITY

LIGHTWEIGHT

MULTIPURPOSE

POWERFUL

 **Tractel** Inc.

Griphoist Division

# minifor®

- ❖ A complete range of electric hoists for a wide range of applications
- ❖ Portable and powerful for unlimited heights of lift
- ❖ Rated load 220 lbs (100 kg) to 1000 lbs (455 kg) which can even be doubled by a sheave kit
- ❖ Unlimited height of lift
- ❖ Unloaded wire rope freely suspended or optional rope reeler
- ❖ Pendant control
- ❖ Direct lift or sheaving kit for increased capacity
- ❖ Single phase or 3 phase motor
- ❖ 110V standard

## QUALITY & POWER

- ❖ High power to weight ratio
- ❖ Body in aluminium alloy
- ❖ Unlimited length of lifting wire rope
- ❖ Wire rope, dia. 0.25 in. (6.5 mm)

## SAFETY

- ❖ Upper and lower adjustable end limit stops
- ❖ Motor integrated brake



Minifor® TR10 - TR30  
Rated Load 220 lbs - 660 lbs



Minifor® TR10 - TR30  
fitted with sheaving kit







Minifor® TR30S - TR50  
Rated Load 660 lbs - 1000 lbs



### ERGONOMIC DESIGN

Compact, easy to handle and lightweight, the minifor® range is an ideal tool for many applications on construction sites.

- ❖ Integrated carrying handle
- ❖ Quick and easy to install
- ❖ Swivel suspension hook

### STANDARDS

- ❖ In accordance with: **CE**
  - ANSI ASME B30.16
  - European standard EN 292
- ❖ Technical Data
- ❖ Operating and maintenance manual



Minifor®  
fitted with wire rope reeler

# minifor®

## GENERAL SPECIFICATION

- ❖ IP55 protection, weatherproof
- ❖ Double insulated push button control box with emergency stop
- ❖ Thermal protection of motors
- ❖ 0.25 in.(6.5 mm) dia. wire rope; minimum breaking strength 5500 lbs (2500 daN); weight per foot: 0.11 lbs (0.05 kg).

| MODELS | DIMENSIONS      | WEIGHT<br>LBS | RATED LOAD    |                | SPEED              |                     | POWER            |                  |                  | STANDARD                   |        |
|--------|-----------------|---------------|---------------|----------------|--------------------|---------------------|------------------|------------------|------------------|----------------------------|--------|
|        | LXWXH<br>INCHES |               | DIRECT<br>LBS | SHEAVED<br>LBS | DIRECT<br>FT./MIN. | SHEAVED<br>FT./MIN. | 1 PHASE<br>110 V | 1 PHASE<br>220 V | 3 PHASE<br>220 V | WIRE ROPE LENGTH<br>65 FT. | 35 FT. |
| TR 10  | 14x9x17         | 46            | 220           | 441            | 50                 | 25                  | ❖                | ❖                |                  | ❖                          | ❖      |
| TR 30  | 14x9x17         | 46            | 660           | 1320           | 17                 | 8.5                 | ❖                | ❖                |                  | ❖                          | ❖      |
| TR 30S | 19x9x17         | 71            | 660           | 1320           | 43                 | 21                  | ❖                | ❖                | ❖                |                            |        |
| TR 50  | 19x9x17         | 71            | 1000          | 2000           | 23                 | 11.5                | ❖                | ❖                | ❖                |                            |        |



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# minifor® TR 10 - TR 30

*With its simple and efficient design the minifor range makes it easy for you to choose the right hoist for your applications.*

These two versions give you :

- unlimited length of hoist cable, adapted to the requirement
- light, easy to handle aluminium alloy design
- integral handle for easy carrying
- suitable for building sites, fast setup
- efficient operation with swivelling suspension hook
- extremely good weight/power ratio
- reduced maintenance
- quiet operation (70 dB)
- operational safety :
  - upper and lower limit switches
  - brake motor
  - pendant control with emergency stop
  - CE socket

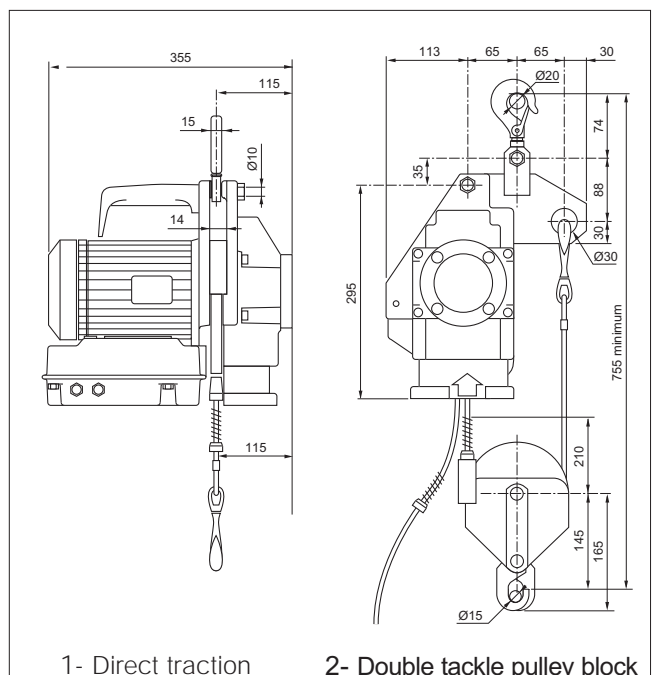
Conform to European directive no. 89/392 - 91/368 - 93/44 - 93/68 - 89/336 and to standards EN 50 081-2 and 50 082-2.

## Options :

- Spring cable reel, capacity 20 m and 40 m
- 9m/min 3-phase version, 48 VAC control, 0.55 kW motor (TR30 only) - diagram n°1
- Special motors
- Long power supply and remote control cables
- Pulley block kit - diagram n°2
- Self-locking hook
- Radio remote control with «lift/lower» function

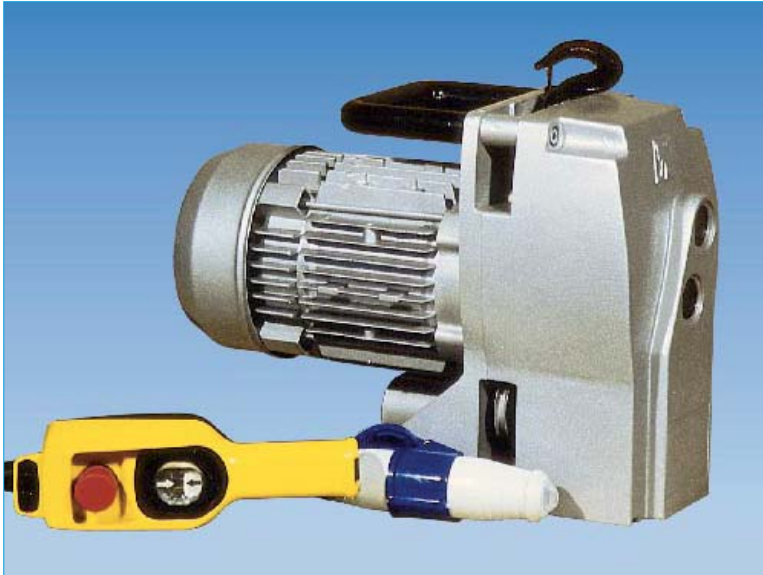


| Model                               | unit  | TR 10   | TR 30                       |
|-------------------------------------|-------|---|-----------------------------|
| Hoisting capacity                   | kg    | 100   | 300                         |
| Hoisting speed                      | m/min | 15  | 5 single ph.<br>9 - 3 phase |
| Weight of hoist                     | kg    | 20  | 20.2                        |
| Dimensions<br>mm                    | mm    | 355x420x180Cable diameter<br>5  |                             |
| Cable weight (per m)                | kg    | 0.105   |                             |
| Motor power<br>single phase         | kW    | 0.37  |                             |
| 3-phase                             | kW    | 0.55  |                             |
| Cable breaking load<br>factor 5     | kg    | 1500  |                             |
| Power supply single<br>3-phase      |       | 115 V - 50 & 60 Hz - 230 - 50 Hz<br>230- 400 V - 50 Hz  |                             |
| Operating factor                    | %     | 40  |                             |
| Double insulated<br>control pendant |       | IP 65 - 3 controls  |                             |
| Degree of protection                |       | IP 55   |                             |
| Current with<br>brake motor         | A     | 7.5 at 115 V - 50 Hz single phase<br>9 at 115 V - 60 Hz single phase<br>4 at 230 V - 50 Hz single phase<br>1.8 at 400 V - 50 Hz 3-phase |                             |



# minifor® TR 30S - TR 50

Have been designed to be compatible with the new techniques for high level building sites, to provide you with the best service :



- integral handle for easy carrying
- unlimited length of hoist cable, adapted to the requirement
- suitable for building sites, fast setup
- efficient operation with swivelling suspension hook
- extremely good weight/power ratio
- reduced maintenance

## operational safety :

- upper and lower limit switches
- brake motor
- pendant control with emergency stop



«France Stade» building site

Conform to European directive no. 89/392 - 91/368 - 93/44 - 93/68 - 89/336 and to standards EN 50 081-2 and 50 082-2.

| Model                            | unit | TR 30S   | TR 50 |
|----------------------------------|------|--|-------|
| Hoisting capacity                | lb   | 660  | 1000  |
| Hoisting speed                   | fpm  | 43   | 23    |
| Weight of hoist                  | lbs  | 71   | 71    |
| Dimensions of hoist              | mm   | 427x200x412  |       |
| Cable diameter                   | mm   | 1/4"(6.5mm)  |       |
| Cable weight (per m)             | kg   | 0.170  |       |
| Motor power                      |      |  |       |
| single phase                     | kW   | 1.1  |       |
| 3-phase                          | kW   | 1.1  |       |
| Cable breaking load factor 5     | kg   | 2500   |       |
| Power supply single              |      | 115 V 60 Hz 220/1ph. 60 Hz   |       |
| Operating factor                 | %    | 40   |       |
| Double insulated control pendant |      | IP 65 - 3 controls   |       |
| Degree of protection             |      | IP 55  |       |
| Current with brake motor         | A    | 20 at 115 V- 60 Hz single phase<br>10 at 220 V- 60 Hz single phase |       |

