



All the machines are equipped with a button strip L=10 m which allows all the operating phases of the machine to be controlled. The equipment supplied is manufactured in compliance with the machinery regulations and is provided with CE markings. All the circuits are supplied with calibration valves and safety valves to avoid overpressure. The control gauges installed are analogue, but can be coupled to a digital gauge with 1 bar precision.

TTM-A hydraulic pumps are available in three models:

- TTM 250-A
- TTM 450-A
- TTM 550-A

They are set up with a two-tube exit for driving the TTM and DD/DX series of tensioning jacks (bar tensioning jacks). All the circuits are supplied with calibration valves.



TTM-E hydraulic pumps are available in three models:

- TTM 650-E
- TTM 1000-E
- TTM 2000-E.

All the pumps are set up with a three-tube exit for driving the M series of jacks. They are also equipped with three control circuits: stressing, locking and return. All the circuits are supplied with calibration valves.

Type	Weight (Kg)	Max. pressure (bar)	Capacity (KW)	Voltage/ Amperes	Dimension (mm)
TTM 250-A	85	450-500	2,5	380/16	630x440x500
TTM 450-A	190	450-500	4,5	380/16	1060x570x770
TTM 550-A	370	550-700	7,5	380/32	1160x670x1140
TTM 650-E	235	600	7,5	380/16-32	1120x720x830
TTM 1000-E	390	700	10	380/32	1160x670x1140
TTM 2000-E	460	700	22	380/32	1160x670x1140

TTM 250-A HYDRAULIC PUMP

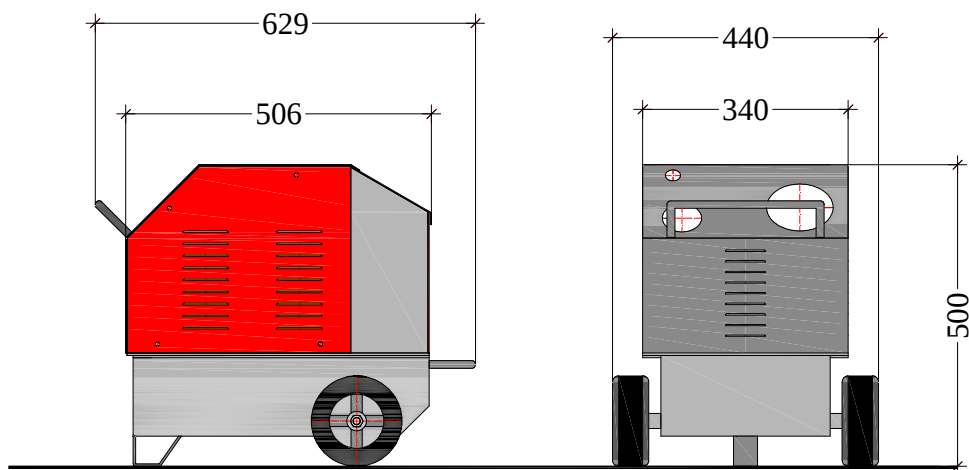
CHARACTERISTICS



Installed power: 1,5 KW
Power supply: 3P+T 380 volt 16 ampere
Weight: 85 Kg/pc
Control: button strip
Functions: stressing – locking – return
Max. stressing pressure: 550 bar
Max. locking pressure: 150 bar
Max. return pressure: 150 bar
Dimensions: 629x440x500 mm
Hydraulic tubes: two

DIMENSIONS

Dimensions in mm



TTM 450-A HYDRAULIC PUMP

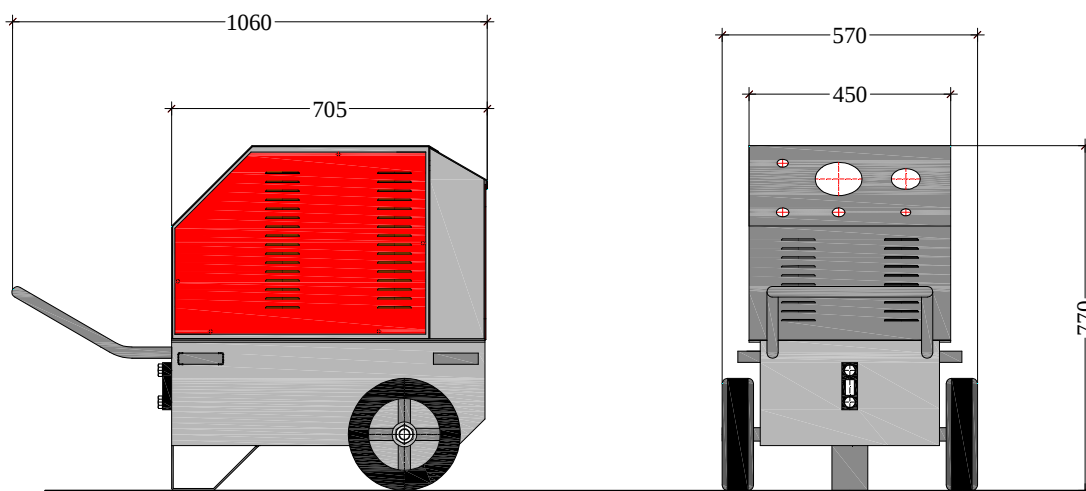
CHARACTERISTICS



Installed power: 4,5 KW
Power supply: 3P+T 380 volt 16 ampere
Weight: 190 Kg/pc
Control: button strip
Functions: stressing – locking – return
Max. stressing pressure: 550 bar
Max. locking pressure: 150 bar
Max. return pressure: 150 bar
Dimensions: 1060x570x770 mm
Hydraulic tubes: two

DIMENSIONS

Dimensions in mm



TTM 550-A HYDRAULIC PUMP

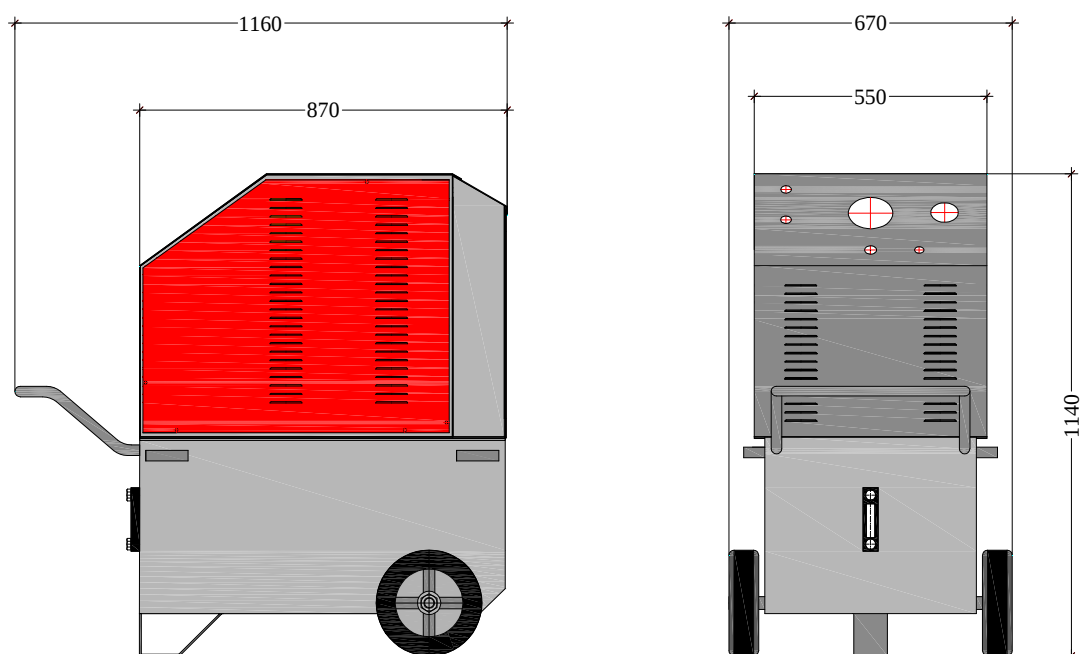
CHARACTERISTICS



Installed power: 4,5 KW
Power supply: 3P+T 380 volt 32 ampere
Weight: 370 Kg/pc
Control: button strip
Functions: stressing – locking – return
Max. stressing pressure: 550 bar
Max. locking pressure: 150 bar
Max. return pressure: 150 bar
Dimensions: 1160x670x1140 mm
Hydraulic tubes: two

DIMENSIONS

Dimensions in mm



TTM 650-E HYDRAULIC PUMPS

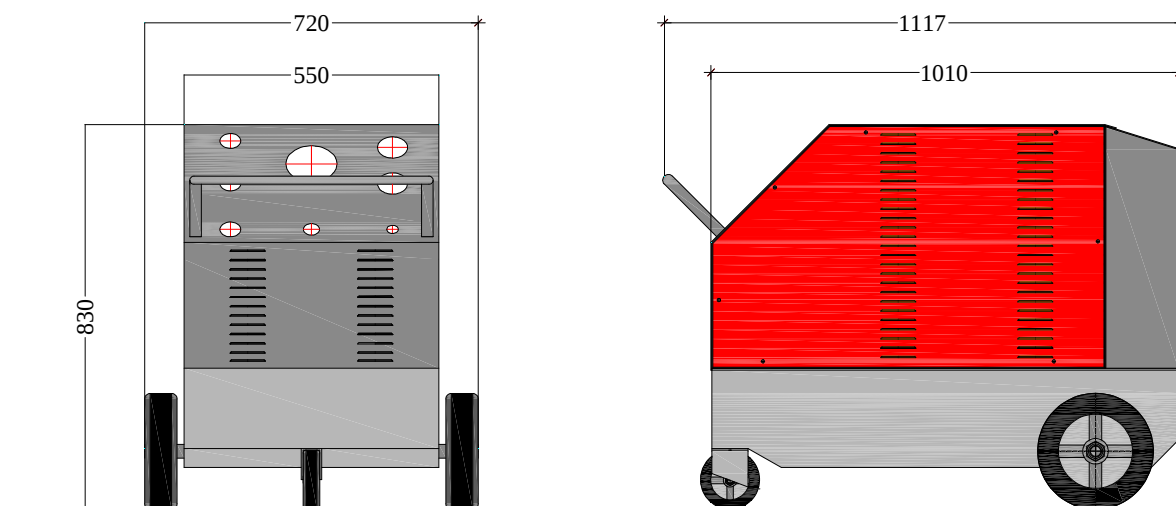
CHARACTERISTICS



Installed power: 7.5 KW
Power supply: 3P+T 380 volt 32 ampere
Weight: 290 Kg/pc
Control: button strip
Functions: stressing – locking – return
Max. stressing pressure: 550 bar
Max. locking pressure: 150 bar
Max. return pressure: 150 bar
Dimensions: 1120x720x830 mm
Hydraulic tubes: three

DIMENSIONS

Dimensions in mm



TTM 1000-E HYDRAULIC PUMPS

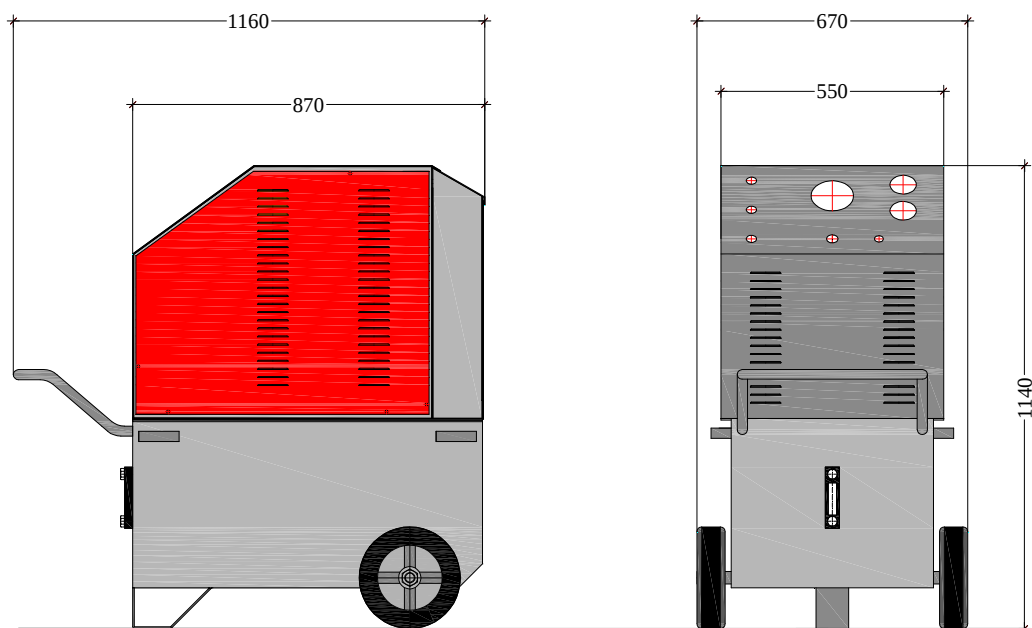
CHARACTERISTICS



Installed power: 10 KW
Power supply: 3P+T 380 volt 32 ampere
Weight: 390 Kg/pc
Control: button strip
Functions: stressing – locking – return
Max. stressing pressure: 550 bar
Max. locking pressure: 150 bar
Max. return pressure: 150 bar
Dimensions: 1160x670x1140 mm
Hydraulic tubes: three

DIMENSIONS

Dimensions in mm



TTM 2000-E HYDRAULIC PUMPS

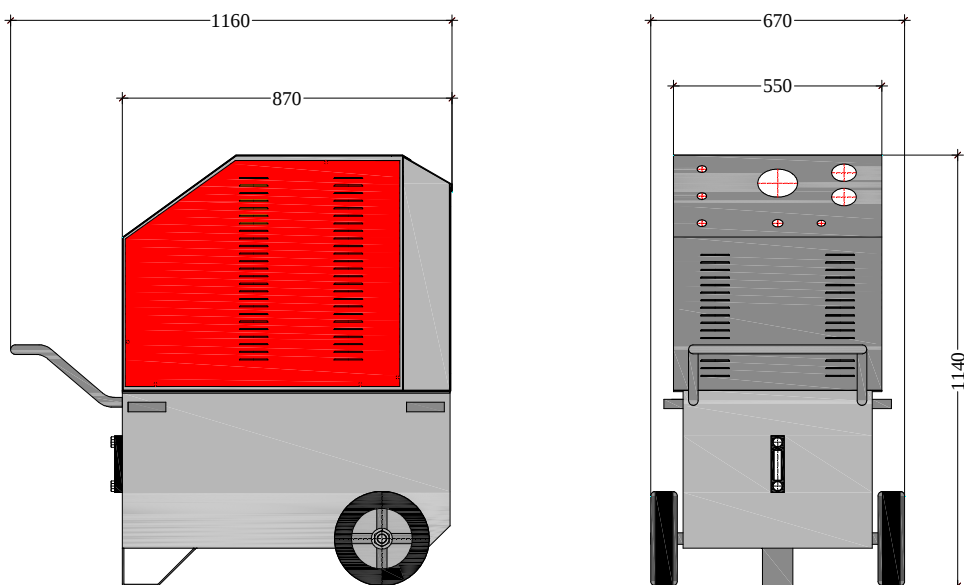
CHARACTERISTICS



Installed power: 22 KW
Power supply: 3P+T 380 volt 32 ampere
Weight: 460 Kg/pc
Control: button strip
Functions: stressing – locking – return
Max. stressing pressure: 550 bar
Max. locking pressure: 150 bar
Max. return pressure: 150 bar
Dimensions: 1160x670x1140 mm
Hydraulic tubes: three

DIMENSIONS

Dimensions in mm



CALIBRATION AND CONTROL INSTRUMENTS

S 1000 gauge box



Capacity: 999 bar
Weight: 9.40 Kg/pc
Power supply: 3P+T 220 volt 16 ampere
Max. pressure: 900 bar
Dimensions: 430x320x250 mm

S 1000AN analogue sample gauge



Weight: 2.4 Kg/pc
Max. pressure: 1000 bar
Accuracy class: +/- 0.25 VFS
Dimensions: 380x100x310 mm

Complete dynamometer box



Dynamometer hydraulic transducer

Capacity: 350 KN
Weight: 8 Kg/pc
Useful section: 34.36 cm²
Max. pressure: 900 bar
Reading with transducer: 4-20 mA
Reading: 1 bar
Length: 195 mm
Diameter: 110 mm

Dynamometer box

Capacity: 999 bar
Weight: 9.40 Kg/pc
Power supply: 3P+T 220 volt 16 ampere
Max. pressure: 900 bar
Dimensions: 430x320x250 mm