

DIMENSIONS & SPECIFICATIONS :

LIFTING UNIT :

RETRACTED HEIGHT : 11'6"

EXTENDED HEIGHT : 27'6"

BASE LENGTH : 72"

BASE WIDTH : 36" (WHEEL BOXES RETRACTED)

BASE WIDTH : 47" (WHEEL BOXES EXTENDED)

BASE WEIGHT : 11,000 LBS.

NO. OF CYLINDERS : 1 INNER DOUBLE-ACTING

NO. OF WHEELS : 8 PER LIFT UNIT

CAPACITY : SEE LOAD CHART

TWINLINE HOSE : 50' INCLUDED PER LIFTING UNIT

BOOM SPECIFICATIONS :

Design : The four plate fully welded booms are machined to close tolerances, typically .010 per side over the length of the boom, allowing a tight fit with maximum stability.

Overlaps : A minimum of 20% is required to meet the stability specification. Typical overlaps are in excess of 21% of total stage length.

Cylinder connection : Mechanical pin and/or trunnion type is used for added rigidity and stability. Square flanges and/or additional collars provide substantial mechanical connection to Base and Main Boom. Pin holes are line bored for close fit and true finished alignment.

Stability : Due to the critical design specifications the Lift Systems Pin Power Tower exceeds stability design standard by up to 50 percent. Calculations available upon request.

Boom movement : All booms are powered with double acting cylinders for full power extension and retraction. The telescopic cylinder version incorporates cylinder trunnion mounts to sequence boom and cylinder staging properly.

Boom surface finish : prime painted.

Locking mechanisms : The hydra-lock system which meets all the design codes for hydraulic elevators in the event of hydraulic failure.



CYLINDER SPECIFICATIONS :

Design : The hydraulic cylinders have a working pressure of 2500 PSI with test pressure to 3000 PSI. All sections surfaces are chrome plated. Integral load holding valves for hydraulic failure lock-up.

Data :

No. of inner cylinders : 1
No. of stages each : 1
Stroke each stage : 96"
Overlap per stage : minimum 20%
Mounting type, each : collar and pin.
Finish : chrome standard.

POWER UNIT SPECIFICATIONS :

No. of power units : 2
Oil capacity each : 130 gallons
Standard power : 20 hp gasoline engine.

LIFTING LINK SPECIFICATIONS :

No. of lifting links : 4
Lifting beam pocket : W 17.5" x H 18"
Maximum shackle pin dia. : 4.5"
Thickness of plate : 2"
Estimated weight : 355 lbs. each

PROPEL CYLINDER SPECIFICATIONS :

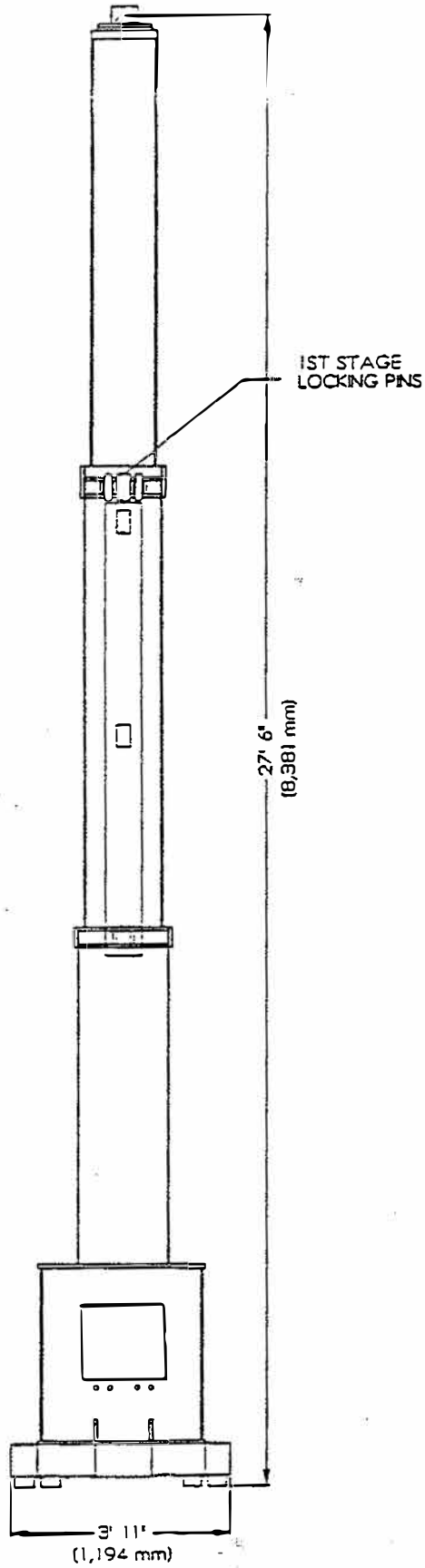
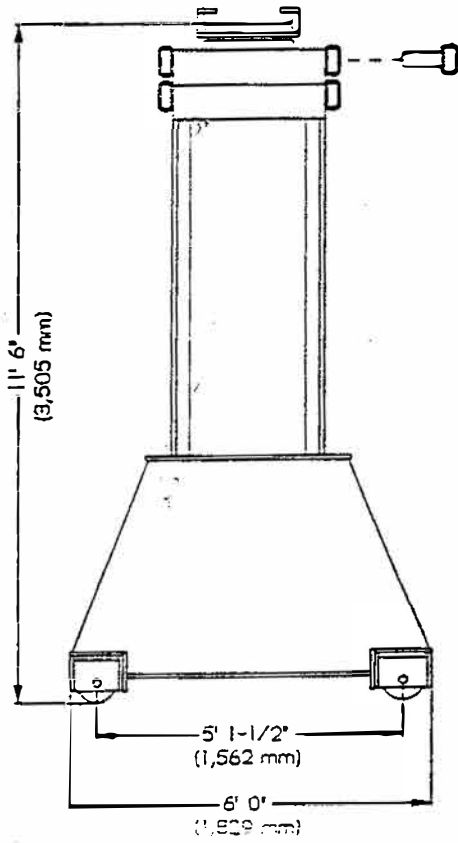
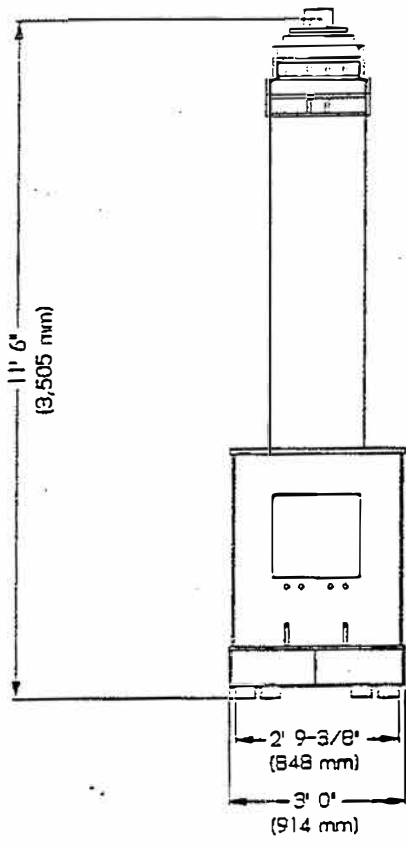
No. of propel cylinders : 2
Piston diameter : 4"
Total stroke : 48"
Estimated weight : 500 lbs. total
Connecting hardware included.

Notes :

Connecting tubes will be included with four point purchases.

All designs for Pin Power Tower models are considered off the shelf. The lift height and capacity are quoted to meet the customers requirements.

Design work is performed and certified by a professional engineer licensed in the state of California.



REV. A 12/23/93

DRAWN BY: CRP DATE: 11/30/93

POWER PIN TOWER MODEL 2411500L

DRAWING NUMBER: P1S112