

## HT-400 High Pressure Unit

Element	4.5" Pump
Maximum Working Pressure	11200 PSI
Maximum displacement	8 BBL/min
Model	Ht 400
Type	Positive displacement reciprocating horizontal.
Power	450 HP
Maximum applied force	2100 RPM
Maximum piston stroke	8"
Hydraulic system	Closed
Transmission	Eaton fuller rtlo 201910V manual
Displacement tank	2 x 7 BBLS. Stainless steel
Volume counter	Digital and analog



MEASURES	
Large	6.50 M.
Width	2.45 M.
Height	2.70 M.
Weight	11.5 Tons



## Pumping Certificate

### Stress Test

4.5" Pump			
V	RPM	BPM	PSI
6 a	1800	3.5	49
7 a	1800	5	74
8 a	1800	6	292
9 a	1800	7	525

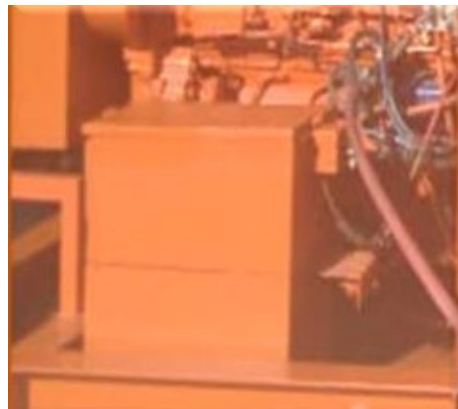
### (No pressure)

4.5" Pump	
V	RPM 600
1 a	0.3 BPM
2 a	0.3 BPM
3 a	0.4 BPM
4 a	0.6 BPM
5 a	0.8 BPM



The design of the unit guarantees that the operators can monitor all the switches, instruments and the work conditions of all the systems in a conveniently and clearly way. There are Lights designed near of the instrument box and the displacement tank for night operations. The unit is equipped with 2 protection systems for guarantee the security of the equipment and the personal. One of them is the alvio safety valve and the digital overpressure.

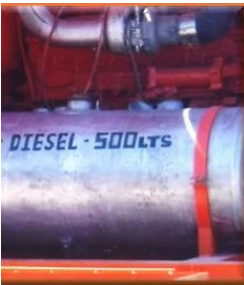
This skid mounted pump unit is composed by a Cummins series 450 engine, Eaton Fuller RTLO 201910v Manual transmission, a Halliburton triplex pump, centrifugal pumps, displacement tank, lubrication system and low-pressure collector. This unit is applicable for a wide range of Applications, like the pumping operations, pressure test, well stimulations and acidizing, etc. The air compressors and hydraulic system are powered by engines. One booster pump and one recirculation pump are designed in this unit for meet the operation requirements.





## • Air compressor

An air compressor and a 24-volt battery help its continuous operation, therefore, it only requires air for starting, since after switching on the equipment is self-sufficient to feed on air and current to continue working during the required time for operations.



## • Diesel tanks

A diesel reservoir tank with a 500L capacity, help us maintain the equipment working, for 16 continuous hours, therefore, diesel refueling should be considered prior to prolonged operations on structures without drilling equipment.



## Parameter logger

For constant monitoring, our equipment has a data recording and acquisition unit (Pressure, flow rate and accumulated during operation). Which has the peculiarity of being remotely monitored within the location (up to 40 meters).



## Toolbox

Currently we have the necessary and sufficient refurbishment for the maintenance of our equipment for a year and a half, or what is equal to 4 complete services due to wear and tear.

As well as we have the special tools necessary for the maintenance and repair of the bombs.