

## Jereh YLQ 45-300B High Pressure Unit

### MEASURES

Large	6.00 M.
Width	2.00 M.
Height	2.50 M.
Drained weight	10.2 T.
Weight with fluids	11.2 T.



### Element

### 4.5" pump stress test

Element	4.5" pump stress test
Maximum Working Pressure	6,288 PSI
Maximum displacement	13 BBL/min
Race displacement	4.69 L/rev
Model	YLQ 45-300B Jereh
Type	Positive displacement reciprocating horizontal
Power	600 HP
Maximum applied force	2100 RPM
Maximum piston stroke	6"
Maximum entry power	447 KW
Hydraulic system	Closed
Transmission	4700 OFS Allison
Displacement tank	2 x 10 BBLs. Stainless steel
Volume counter	Digital and analog

This mounted pump unit on a skid is composed by two Detroit series 60 engine, two Allison 4700 transmissions, two Jereh triplex pumps, automated system, 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 acidification, 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.



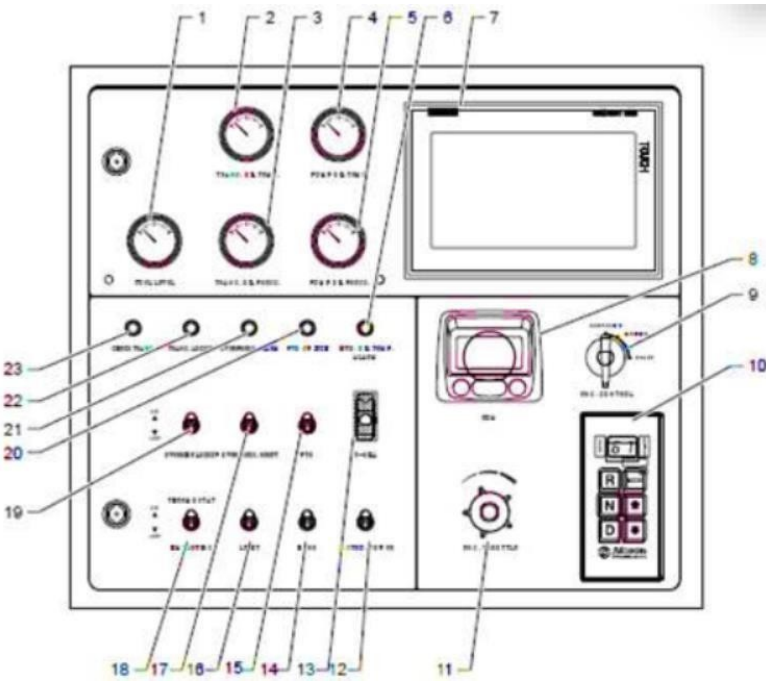
The design of the unit guarantees that the operators can monitor all the switches, instruments and the work conditions of all the systems in a conveniently and clearly way. There are Lights designed near of the instrument box and the displacement tank for night operations. The unit is equipped with 2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

## 4.5" Pump

	600 RPM	1800 BPM
1 a	0.4 BPM	1.5 BPM
2 a	1.0 BPM	3.3 BPM
3 a	1.8 BPM	6.2 BPM
4 a	2.2 BPM	8.2 BPM
5 a	2.4 BPM	11 BPM

## 4.5" pump stress test

Speed	RPM	BPM	PSI
1 a	1800	1.4	3,600
2 a	1800	3.2	2,700
3 a	1800	5.5	3,100
4 a	1800	7.8	930
5 a	1800	11.2	1,316



No.	Description
1	Oil level
2	Transmission oil temperature
3	Transmission oil pressure
4	Pump oil temperature
5	Pump oil pressure
6	Transmission temperature alarm
7	Display
8	Monitor
9	Start control
10	Gear selector
11	Throttle engine
12	Power
13	Emergency stop
14	Horn
15	PTO
16	Light
17	Overpressure reset
18	Thermostat
19	Transmission – Activator
20	PTO Illuminator
21	Overpressure Alarm
22	Lockup Transmission
23	Transmission Illuminator

## Air compressor

An air compressor with its own reservoir and a 24-volt battery helps 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

Two diesel reservoir tanks each one with a 500L capacity, help us maintain the equipment working, for 12 continuous hours, therefore, diesel refueling should be considered prior to prolonged operations on structures without drilling equipment.

## Parameter logger

For constant monitoring, our team, it 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). Recording everything in graphs of each job done, which can be printed.

## 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.