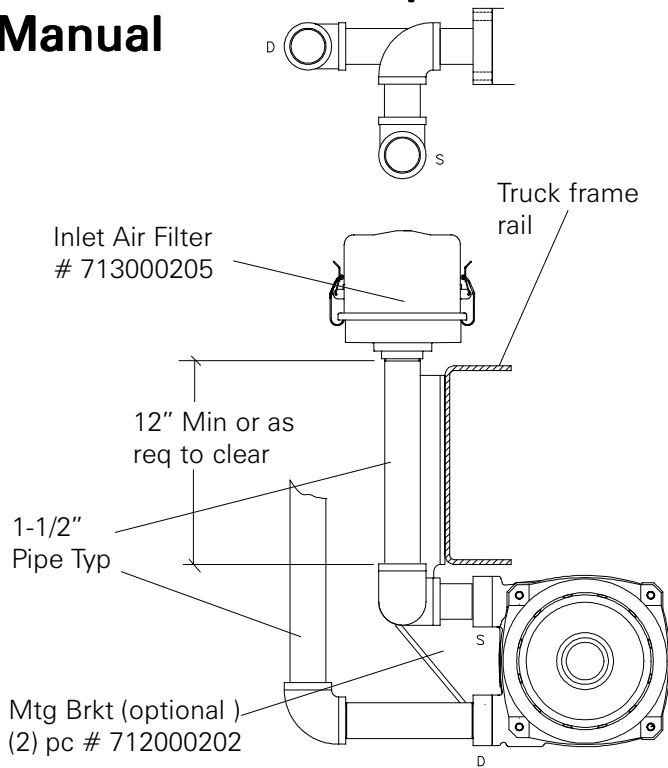


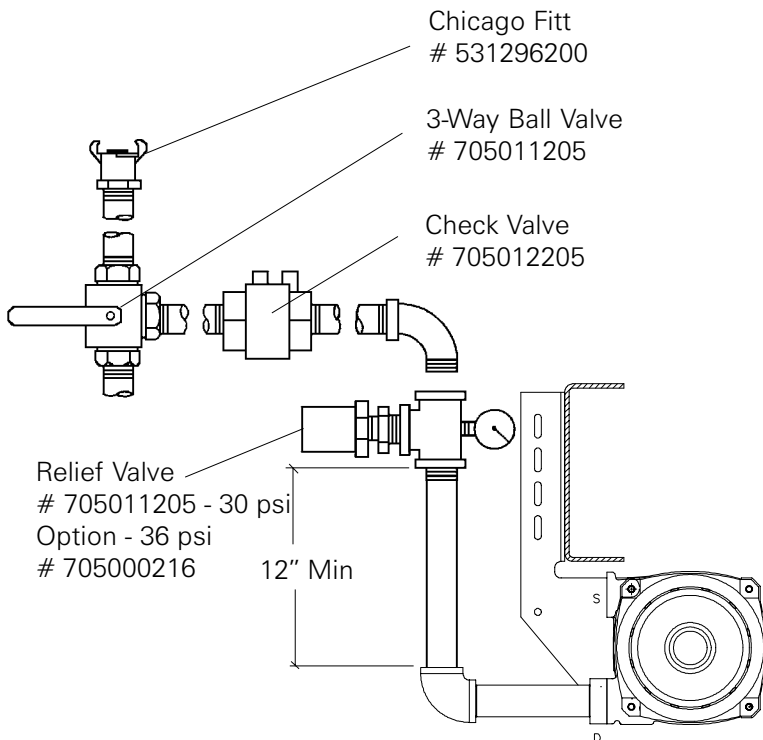


J150 COMPRESSOR

Installation and Operation Manual



Typical Inlet Pipe Work Arrangement - Side Mount Ports



Typical Outlet Pipe Work Arrangement - Side Mount Ports

Installation Check List

- Mount the compressor as shown, with both feet either underneath or on the side. The mounting plate should be flat and strong enough to support 120 lbs.
- For air circulation, there must be an 8" x 8" hole in the center of the mounting plate or 1" spacer blocks under the mounting feet.
- The long capscrews (35mm) should be used on the feet. Tighten to 26 ft. lbs.
- Rotation of the machine** is shown by the arrow on the body between the suction and delivery port.
- Arrow points to suction port. -
- Mount the machine so that the rotation matches the PTO rotation. To change rotation, remove cowls, switch drive flange/yoke to other end of compressor, and replace the cowls.
- Do not force end yokes or drive flange onto the compressor or PTO shaft.
- Use a tube type balanced PTO drive shaft, parallel with the PTO output shaft axis within 2° to ensure vibration-free running. The maximum driveline angle is 10°.
- A 30 or 36psi relief valve should be mounted 12"-24" from the compressor discharge with valve outlet away from machine and filter inlet.
- The air filter should be mounted in an **upright** position at least 12" from compressor inlet, with free access to element and away from exhaust fumes and road spray. For tractor mount, we recommend above frame rails behind the cab.
- Suction (1½" I.D.) and delivery pipework (1½" I.D., 1" I.D. minimum) should be free of weld beads or foreign material and supported by brackets. Do not contaminate the inside of the piping with Teflon tape or pipe dope thread sealer.
- If pipework runs to the opposite frame rail, it must have a flexible section to prevent distortion of the compressor.
- Install discharge filter (p/n 713031200, M202 or equivalent) with minimal restriction, to prevent compressor overheating.
- A 3-way ball valve (1") should be installed into delivery pipework to bleed air and control system pressure. The ball valve should be installed prior to Chicago fitting to manually isolate the compressor from the trailer.
- A liquid-filled pressure gauge is recommended in the delivery pipework for ease of operation and system troubleshooting.
- The operating speeds are:
 - 1000 -1800rpm for J150
 - For optimum performance 1200-1400rpm is recommended.
- Calculate engine speed using the PTO ratio.
- A constant speed governor or throttle control system is recommended.
- Check compressor speed with tachometer to ensure proper operation.
- Post engine speed in cab on label provided.