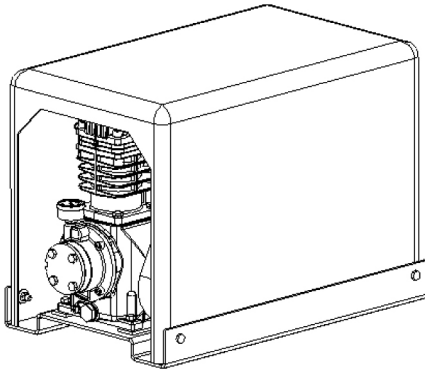


AMERICAN EAGLE COMPRESSORS

Specifications for Model SHD-30A Hydraulic Drive Air Compressor



These units include the American Eagle single-stage reciprocating pump, which is directly attached to the hydraulic motor (no pulleys and belts), a hydraulic oil cooler, 12V. fan, valve block, and fiberglass cover.

- Imbedded air filter
- Cast iron crankcase casting
- Cast aluminum cylinder heads
- Pressure lubrication system
- Pulsation manifold tank
- Pressure switch and check valve
- All steel plumbing with J.I.C. fittings
- Optional 11-gallon hydraulic reservoir

Model:	American Eagle SHD-30A Hydraulic Drive Air Compressor
Max Pressure:	150 PSI
Output Capacity:	13 CFM at 100 PSI
Hyd. Power Req:	7 GPM at 1800 PSI
Displacement:	30 CID, 2-cylinder, single-stage.
Compressor System:	The compressor has a 2-3/4" bore and a 2 1/2" stroke. The hydraulic porting is 1/2" Min. on the inlet and 3/4" Min. on the outlet through a 12V solenoid on/off valve block. All internal plumbing is steel tubing with JIC fittings. A 3/4" N.P.T. pipe shall be on the air outlet with a 3/4" one way check valve. The compressor shall be equipped with a built-in 12V electric fan and oil cooler for the main system hydraulic oil. It has stainless steel reed valves, pressure lubrication system and a pulsation manifold tank. An air pressure sensing switch shall be installed in the outlet air line and be connected to an air unloader valve so as to allow the compressor to unload when proper operating pressures are obtained.
Electrical Control:	12 VDC @ 1.5 amps
Weight:	165 pounds (without reservoir) 230 pounds (with reservoir)
Dimensions:	26" L x 14-1/2" H x 16" W (without reservoir) 30" L x 24" H x 18-1/2" W (with reservoir)
Pump:	Model 200 <ul style="list-style-type: none">• Single-Stage, Two-Cylinder• 2-3/4" Bore x 2-1/2" Stroke• Lubrication - Pressure• Discharge - 3/4" NPT• Flow - 8 to 13 CFM• HP Required - 2, 3, 5• Speeds - 800 to 1300 RPM• Weight - 60 lbs

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- Overall Description:** The compressor shall be on American Eagle Accessories Group Model SHD-30A single-stage reciprocation compressor. The compressor system shall be hydraulically driven with the hydraulic motor attached directly to the compressor with no pulleys or belts. The system shall have hydraulic controls, central cooling, plumbing and mounting base with enclosure.
- Compressor System:** The compressor shall be a American Eagle Accessories Model 200 single stage, reciprocating, piston type design, with a capacity of 13 CFM at 100 PSI and a pressure range of 0 to 150 PSI. The crankcase, end bearing plates and cylinders are to be made of cast iron material. The compressor pump must be designed with high temperature aluminum 2-3/4" pistons incorporating the three ring design, a semi balanced crankshaft with 2-1/2" of stroke, polished steel roller type bearings each end, cast aluminum rod assemblies designed for pressure lubricating, reed valve assembly made of high tensile stainless steel which are installed between the cylinder and head assembly that has a embedded air filter with a inner and outer sponge type filter designed into the casting. The compressor shall be painted black using heat sensitive paint.
- Compressor Pump:** The compressor shall be an American Eagle Accessories Model 200 single-stage, reciprocating, piston type design, with a capacity of 13 CFM at 100 PSI and a pressure range of 0 to 150 PSI. The crankcase, end bearing plates and cylinders are to be made of cast iron material. The compressor pump must be designed with high temperature aluminum 2-3/4" pistons incorporating the three-ring design and drilled cast aluminum rod assemblies. A semi balanced crankshaft with 2-1/2" of stroke, polished steel roller type bearings each end, and must be drilled with oil journals to incorporate the gear type pressure lubrication oil pump connection. The oil pump system shall be incorporated into the rear bearing housing and aligned with the crankshaft assembly. The compressor pump shall have reed valve assemblies made of high tensile stainless steel which are installed between the cylinder and head assembly that has a embedded air filter with a inner and outer sponge type filter designed into the casting. The compressor shall be painted black using heat sensitive paint.
- Dimensions:** The compressor shall be 26"L x 14-1/2"H x 16"W (without hydraulic reservoir) or 30"L x 24"H x 18.5"W (with hydraulic reservoir).
- Weight:** The compressor shall be approximately 165-pounds (without hydraulic reservoir) or 230-pounds (with hydraulic reservoir).
- Air Reservoir:** The air reservoir shall be sized to sufficiently support the compressor system and shall have a minimum of 22-gallon capacity. The air tank shall be ASME certified with proper tank placard. Mounting brackets will be provided to fit the chassis specified with all the proper hardware and fittings kits. Tanks shall be prime painted to prevent rusting.
- Air Filter/Lubricator/Regulator:** An inline air filter with lubricator and regulator will be provided. Proper sizing to fit the system, with a minimum of 1/2" plumbing, is required. The filter shall be equipped with a moisture drain valve. The lubricator shall have a 1-pint capacity and be directly coupled inline with the regulator. Mounting shall be made with a properly secured bracket to prevent vibration or breakage.
- Air Hose Reel:** A minimum of one 1/2" x 50 ft. hose reel is required. The hose reel shall incorporate 50 foot of 1/2" OD hose with end cap. Retraction shall be by heavy duty spring rewind through a four point roller guide either connected to the reel or attached to the vehicle body and shall have a spring latching mechanism to prevent accidental retraction of the hose.
- Warranty:** Manufacturer shall provide a limited warranty of materials and workmanship for a period of one year from the date of delivery.