

TECHNICAL MANUAL

**Operator, Organizational, Direct Support
and General Support Maintenance Manual**

**Compressor, Reciprocating: Air,
Power Driven, 5 CFM, 175 PSI
(Champion Model No. HR2-3M-1)
FSN 4310-752-9511**

HEADQUARTERS, DEPARTMENT OF THE ARMY

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HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C. 9 November 1972OPERATOR, ORGANIZATIONAL, DIRECT SUPPORT
AND GENERAL SUPPORT MAINTENANCE MANUALCOMPRESSOR, RECIPROCATING: AIR,
POWER DRIVEN, 5 CFM, 175 PSI
(CHAMPION MODEL HR2-3M1)
FSN 4310-752-9511

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SECTION I GENERAL DESCRIPTION

A. The model HR2-3M-1 air compressor (figs. 1 and 2) is a portable, castor mounted, reciprocating type compressor. It is designed to deliver 5 cfm (cubic feet per minute) of air compressed to 175 psi (pounds per square inch) pressure. The compressor is electric motor driven. The air compressor is a two cylinder, two-stage, air-cooled unit. It will deliver 5 cfm at 175 psi to the air receiver tank. The air receiver tank is of welded steel

construction with a capacity of 4.0 cu. ft. A drain cock is mounted in the bottom of the air receiver tank. A welded steel platform, mounted on top of the air receiver tank, serves as a base for the compressor and electric motor. The identification plate mounted on the top of one of the caster plates at the side of the air receiver specifies the name of the manufacturer, make, model number, and Federal Stock Number.

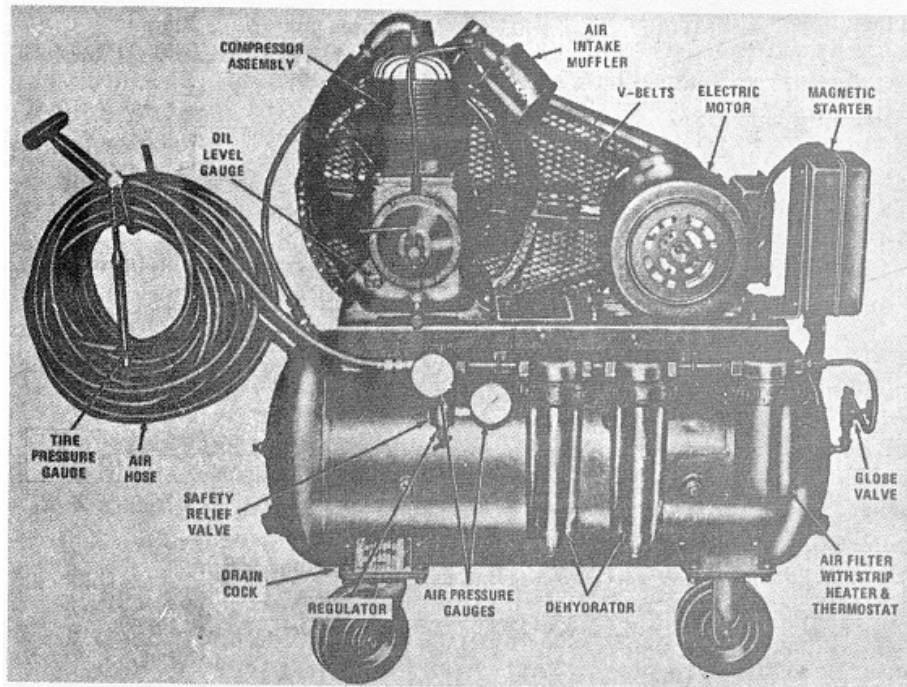


Figure 1. Air compressor, right side view

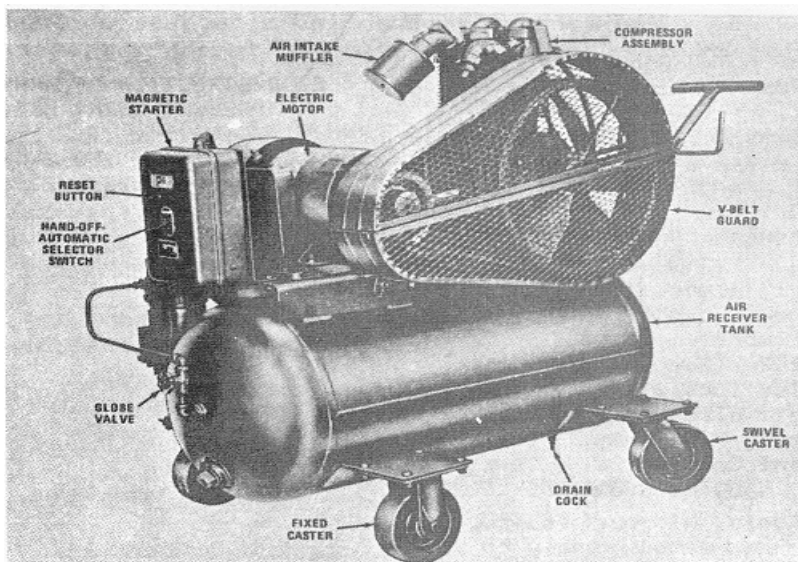


Figure 2. Air compressor, left side view.