

"SMITH Model A Compressor Kit"

Manufacturer:	Gordon Smith Company	6 Volt w/positive Ground
Engine Horse Power:	20 HP.	Fuel Capacity: 11 Gallons
Max. Air Pressure:	90 PSI.	Output: 60 CFM.
Compressor Type:	Single Stage	Air Tank Size: 65 Gals.

There was always a need for power sources that were portable. Most of the portable efficient power tools operated off of air. With the availability of Ford Model A engines, the Gordon Smith Company from Bowling Green, OH produced a commercial compressor kit. The kit required a modification to the Model A engine with three separate cylinder heads. This allowed two of the cylinders to compress air, while the front and rear cylinder was used to run the engine. The kit also included governors run off of the front engine timing gear for engine over speed control. Special water hoses were required to supply the coolant to the separated rear head. This allowed an internal water flow inside of the engine not only to cool the cylinders that ran the engine but also to cool the compressor cylinders. The kit also included the axel, trailer tongue, tool box, air tank, and sensors for air pressure control. The kit took exception to providing the cowl, gas tank, chassis, engine, radiator, and wheels.



Donated by: Mel Marwitz Restored by the Smith Compressor Club
Led by Ken and Ron Ehrenhofer Woodstock, Illinois

Starting the engine was identical to starting the Model A automobile. The operator desired air pressure was set with the provided controls. In the event of an overpressure fault, a pop out valve located on the tank top, would relieve the over pressured air content. The Smith Compressor kit took exception to providing the cowl, gas tank, chassis, engine, radiator, and wheels. The Smith Compressor with the Model A engine was a reliable running machine producing an adequate air supply for many commercial uses. The most common construction use was for jack hammers to bust up concrete or loosen clay soil, sandblasting brick, blowing out pipelines and other calls for large quantities of air.

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