

MINIMUM SPECIFICATIONS FOR BOSS INFINITY 80 HYDRAULICALLY DRIVEN ROTARY SCREW AIR COMPRESSOR

TYPE

Boss Infinity 80 above deck is a hydraulically driven air compressor rated at 80 CFM @100 PSI.

COMPRESSOR

Boss encapsulated 80 CFM hydraulic driven rotary screw air compressor prefilled with ShieldWorks synthetic compressor lubricant.

HYDRAULIC REQUIREMENTS

Delivery 45 CFM @ 175 PSIG 10.7 GPM 2900 PSIG

Delivery 60 CFM @ 175 PSIG 14.0 GPM 3000 PSIG

Delivery 65 CFM @ 150 PSIG 15.0 GPM 2750 PSIG

Delivery 80 CFM @ 100 PSIG 17.8 GPM 2300 PSIG

HYDRAULIC MOTOR

Hydraulic motor to be an heavy duty cast iron housing and gear type.

HYDRAULIC RESERVOIR REQUIREMENTS

Recommended minimum hydraulic reservoir size 36 gallons plus any other hydraulic equipment requirements.

DRIVE SYSTEM

Compressor is hydraulic driven

WEIGHT

Compressor installed weight not to exceed 300 lbs.

DEMENSIONS

33"L x 20"W x 20.5"H.

INSTRUMENTATION

System to incorporate an air pressure gauge and digital hour meter.

RECOMMENDED AIR LINE FEED

200 psi 3/4" air feed down stream of Infinity 80 air out is required.

SERVICE

Compressor to incorporate an easy oil drain valve for oil changes.

HYDRAULIC COOLER

Integrated hydraulic system cooler designed to handle compressor hydraulic oil flow. Cooler core to be independent of compressor oil cooler and incorporated inside compressor housing.

HYDRAULIC CONTROL

Hydraulic manifold block with built in relief and solenoid valves. Ports sized for appropriate hydraulic hose connections.

FINISH

Aluminum powder coat enclosure for reduced weight and rust prevention.

COOLING

Ambient running conditions: -20 to 110 deg-f. Cooling air intake must not see air temperatures above ambient. Cooling air discharge must have 10" clearance from any obstructions.

OPERATING SLOPE

10 deg. Maximum operating slope in any direction.

CIRCUIT PROTECTION

Automatic protective circuits provided for high temperature, optional high pressure, system blow down and relief valve for system over pressurization.

MANUAL

To include operation, maintenance and warranty information.

WARRANTY

Lifetime air end warranty with continued use of ShieldWorks lubricant and adhering to preventative maintenance schedule. See warranty statement.

INSTALLATION OF AIR STORAGE TANKS

This rotary screw air compressor system is designed to provide continuous volume and constant pressure without the use of an air storage tank. Within a few seconds of engagement, the compressor will produce full volume and pressure needed to run corresponding air operated equipment without waiting for air tanks to fill.

Air storage tanks are not utilized as standard equipment on vehicle mounted rotary screw compressors. The installation of air storage tanks, if not done properly, will hinder the performance of the rotary screw compressor. Boss Industries LLC. strongly discourages the use of an air storage tank as standard equipment for vehicle mounted rotary screw air compressors.

In the rare event air usage is required without operating the vehicle, an air storage tank can be added to your system. When adding an air storage tank, be



sure to follow all state and federal DOT regulations regarding air storage tank usage.

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Specifications subject to change without notice

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