

**MINIMUM SPECIFICATIONS AND CHASSIS REQUIREMENTS FOR AN
UNDERDECK PTO AIR COMPRESSOR**

Quantity of one (1) Boss Model 375-UBI PTO drive under deck air compressor(s) to include the following as standard equipment:

- Boss oil flooded, rotary screw air-end designed to produce up to 375 CFM @ 110 PSIG continuously.
- Gear set incorporated into air-end.
- Two-year warranty on the air-end.
- Remote mount vertical oil receiver tank with filler port and lubricant level sight glass. Exterior shell of vessel to be welded so as to be one piece. Bolt-on lid with in tank replaceable coalescing filter element.
- Engine speed & air inlet controls for automatic modulation of engine speed to match air demand.
- Remote mount, self-contained, aerodynamically designed cooling package with automatic thermal sensing control to ensure proper operating temperatures.
- Replaceable spin-on compressor lubricant filter with safety bypass and 25-micron rating.
- Remote mount two-stage, dry-type air intake filter with replaceable filter.
- Instrumentation to include: hour meter, compressor lubricant temperature gauge, and air pressure gauge.
- Hoses, fittings, electrical wire, and hardware necessary for standard installation and operation.
- Safety devices to include: minimum pressure valve, compressor lube hi-temp and hi-pressure safety system, automatic blowdown device, high-pressure relief valve, and necessary warning and information decals.
- Operation, parts and maintenance manual.



COMPRESSOR DATA AND MINIMUM CHASSIS SPECIFICATIONS:

Compressor input RPM = 2300
Compressor HP = 93
Compressor Torque = 212 lbs/ft (continuous duty)

Transmission mounted PTO must be capable of 302 lbs/ft intermittent duty and 212 lbs/ft continuous duty. Manual transmissions require the use of a PTO lube pump option with auxiliary lubricant cooler. PTO must be engine rotation.

Engine HP must be capable of running compressor at rated PTO % (i.e.: 140% PTO or 1.4 divided by 2300 compressor input RPM = 1642 engine RPM. Engine must be capable of 93 HP @ 1642 engine RPM).

Back of cab dimensions required for the typical cooler and receiver tank installation is 30.5".

Revised: 7/2005
Supersedes:

Specifications subject to change without notice