

MINIMUM SPECIFICATIONS FOR UNDERDECK PTO AIR COMPRESSOR

Quantity of one (1) Boss Model 8060-UBI PTO drive underdeck air compressor to include the following as standard equipment:

- Boss oil flooded, rotary screw air-end designed to produce up to 185 CFM @ 110 PSIG continuously.
- Side-by-side gear set incorporated into air-end to achieve conservative engine speeds and greatest ground clearance.
- Two year, unlimited hour, warranty on the air-end.
- Remote mount horizontal oil receiver tank with filler port, lubricant level sight glass and environmentally shielded electronic oil level sender. Exterior shell of vessel to be welded, so as to be one piece. Tank assembly to be attached to frame with easy mount “J” bolts. Tank must be ASME approved.
- Air/oil manifold to include:
 1. All electric switches (except oil level), senders, minimum pressure orifice, regulator, and compressor blowdown valve.
 2. Self-contained separator element capable of 195 CFM @ 295 PSI with easy spin-on housing.
 3. Replaceable spin-on compressor lubricant filter with safety bypass and 25-micron rating.
- Engine speed and air inlet controls for automatic modulation of engine speed to match air demand. Engine speed control to interface with the chassis manufactures recommended ECU (Electronic Control Unit). Foot pedal rheostat interface not acceptable.
- Remote mount, self contained, aerodynamically designed cooling package. Venturi housing to be single piece formed ABS plastic.
- Remote mount two-stage, dry-type air intake filter with replaceable filter and gravity evacuator.

- Digital instrument panel to include:
 1. **General features-** Three (3) bar graph LEDs for monitoring compressor discharge temperature, compressor system pressure and compressor oil level. Eight (8) diagnostic LED indicator lights, one (1) LED hour meter and four (4) seamless push button safety and maintenance buttons.
 2. **Safety features-** LED compressor over temperature, high pressure, low oil shutdown indicator lights, an emergency stop button and compressor re-set button.
 3. **Diagnostic/ Maintenance features-** Sender fault indicators to activate safety shutdown, LED mode indicating hour meter, test mode to detect faulty system wiring, filter minder LED lights for air filter, oil filter and compressor separator element replacement, check oil level push button, detailed system shutdown memory reviewer, fan LED indicator light to indicate fan operation and regulated air LED indicator light.

- Boss interface module: Pre-wired electronic wiring to main Boss harness to simplify and minimize customer interface connections to engine transmission and PTO.

- Color coded and size differentiated plastic control line tubing, fittings, hoses, single integrated weather-sealed wiring harness for Boss compressor system and hardware necessary for standard installation and operation.

- Necessary warning and information decals.

- Operations, parts and maintenance manual.

- Installation by factory or by factory authorized and trained distributor.