



**MINIMUM SPECIFICATIONS FOR 6.2KW BGPSD POWERMAX GENERATOR**  
**PARALLEL SHAFT GEARBOX DRIVE 6.2KW GENERATOR**  
**(USED IN CONJUNCTION WITH THE BOSS 8060-UBI AIR COMPRESSOR SYSTEM)**

Quantity of one (1) Boss model 6.2 B.G.P.S.D Powermax PTO shaft drive underdeck generator(s) to include the following as standard equipment.

- Generator specifications; lifetime double sealed pre-lubricated bearings, drip proof construction, brushless design, maintenance-free, with one year warranty in material and workmanship from date of purchase.
- Generator assembly directly coupled to input shaft of 185 CFM continuous output rotary screw air compressor. No extended female rotor shaft generator drive acceptable.
- Generator drive consists of the following:
  1. A side-mount PTO and driveshaft that powers the generator without belts, pulleys or chains.
  2. Hard mounted compressor and generator system to incorporate a parallel shaft drive gearbox with a rotational mounting pattern to achieve best ground clearance and/or avoid chassis frame and drive line interference
  3. Generator assembly mounts to truck frame rail and aligned to maintain specified industry standards for driveline operating angles.
- Generator frequency held within  $\pm 2\%$  of 60 Hz and shall have voltage control of  $\pm 2\%$  from no load to full load by electronic engine.
- Generator interface with truck's electronic engine:
  1. Programmed electronically to provide constant input speed to the generator during varying loads on the engine.
  2. Generator overspeed protection to disengage PTO if RPM limits at the generator are exceeded.
  3. Interface wiring of generator with electronic engine will override all other speed change requests on multiple speed systems when other auxiliary equipment are being used.
- Instrumentation and receptacles to include:
  1. One (1) voltmeter.
  2. One (1) 125 volt 15 amp duplex receptacle box.
  3. One (1) 125 volt 30 amp single twist lock receptacles.
  4. All receptacles have weather tight covers and can be panel or remote mounted per the customer's request.

- Circuit panel box including two GFI breakers: one (1) 20 amp GFI and one (1) 30 amp GFI.
- Installation by factory and authorized distributor.
- All material and procedures will follow applicable sections of the current National Electric Code.
- Operation, parts, and maintenance manual.