

MINIMUM SPECIFICATIONS FOR BOSS MODEL 185-210DUS

1. **Scope**
This specification covers diesel engine driven, skid mounted air compressors, complete with all accessories, hereinafter specified and required for a complete operating unit.
2. **Manufacturer's Standard Unit**
As shown in current published literature.
3. **Operation**
The compressor shall be capable of satisfactory operation when tilted 15 degrees in any direction.
4. **Engine John Deere**
4 cycle, 4 cylinder, diesel engine with reserve horsepower when operating compressor at rated capacity and pressure. Engine to have a minimum of 60 horsepower, 2.4 Liter displacement and not to exceed 2800-rpm maximum governed speed. Parts available directly from the manufacturer. Liquid cooled and equipped with the following:
 - Start position on engine control to allow engine and compressor oil to warm up under Light load
 - Separate dry type air filter for engine and air end.
 - Spin on automotive type full flow lubricating oil filter
 - Fuel filter
 - Fuel/water separator
 - Muffler-if upright, equipped with rain cap
5. **Electrical System**
Heavy-duty 12-volt negative ground
Battery rated 650 C.C.A. at 0 degrees F
6. **Control Panel**
Gauges:
 - Engine coolant temperature
 - Engine oil pressure
 - Ammeter
 - Hourmeter
 - Start/run valveAll located under lockable door
Fuel indicator on fuel tank (fuel tank is optional)
7. **Safety System**
Low engine oil pressure
High compressor oil temperature
High engine coolant temperature
Minimum pressure valve
Automatic blowdown valve
Low fuel level
50/50 antifreeze mixture

8. Compressor

Rated capacity of not less than 210 cfm free air delivered at minimum pressure of 100 psig when operating at rated speed.

Parts available locally.

Oil flooded and equipped with the following:

Oil flooded Rotary Screw design directly coupled to engine through flexible coupling.

Pressure regulation to be maintained within plus or minus 3% of setting at all working pressures. Capacity regulation shall be accomplished by varying both engine speed and controlling intake flow.

Air filter, separate from engine with restriction indicator.

Discharge check valve

Compressor oil filter

9. Air Receiver

ASME air/oil coded with safety relief valve

10. Operating Manual

The vendor shall furnish one copy of operating instructions, parts lists, and repair manuals of the equipment furnished.

11. Guaranty

The vendor shall warranty the machine against defects due to faulty materials and workmanship for a period of one year after delivery and also have a two year unlimited hour warranty on the air end.