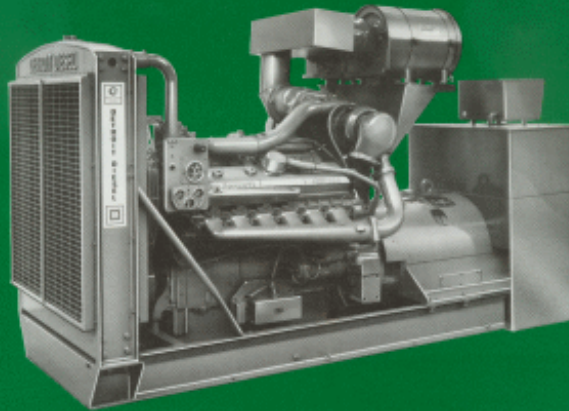


# Detroit Diesel Allison

## STANDBY GENERATOR SETS

# 12V-71T



### STANDARD EQUIPMENT:

- Air cleaner:** Dry Type.
- Automatic Voltage Regulator:** Regulation from no load to full load plus/minus 1%.
- Base:** Fabricated channel steel base.
- Electrical Equipment:** 24 volt starting motor.
- Engine Cooling Pump:** Centrifugal type, gear driven.
- Exhaust:** Exhaust Manifold and outlet flange.
- Fan:** Axial blower type with wire guard.
- Fuel Oil Filter:** Replaceable full flow, spin-on paper element type.
- Fuel Pump:** Gear type.
- Generator:** AC Brushless, class F insulation or better throughout; meets NEMA, IEEE, ANSI and British Standards.
- Governor:** Woodward hydraulic SG external vernier throttle control for engine speed adjustment.
- Harness:** Wiring harness, switches, terminal block and enclosure.
- Injectors:** Needle valve, cam operated unit injectors.
- Instrument Panel:** Includes lube oil pressure gauge, water temperature gauge and starter switch.
- Lifting Brackets:** Adequate eye brackets provided.
- Lube Oil Filter:** Replaceable full flow, spin-on paper element type.
- Lube Pump:** Gear type.
- Radiator:** Heavy duty type designed for 110°F (43.3°C) ambient.
- Shutdown:** Automatic for high water temperature, low oil pressure and overspeed.

Optional Equipment Available Upon Request.

### SPECIFICATIONS:

|  | 60 Hertz  | 50 Hertz  |
|--|-----------|-----------|
| Standby Output*                          |           |           |
| With Fan:                                |           |           |
| kW at 0.8 PF                             | 425       | 370       |
| kVA                                      | 531.25    | 462.5     |
| Without Fan:                             |           |           |
| kW at 0.8 PF                             | 445       | 380       |
| kVA                                      | 556.25    | 475.0     |
| Governed RPM                             | 1800      | 1500      |
| Engine Type                              | Two Cycle | Two Cycle |
| Number of Cylinders                      | 12        | 12        |
| Bore & Stroke in.                        | 4.25 x 5  | 4.25 x 5  |
| mm                                       | 107.95    | 107.95    |
| x 127                                    |           | x 127     |
| Piston Displacement cu. in.              | 851.2     | 851.2     |
| litres                                   | 14.0      | 14.0      |
| Compression Ratio                        | 17:1      | 17:1      |
| Net Weight (Dry) with Standard Equipment |           |           |
| lbs.                                     | 10,040    | 10,150    |
| kg                                       | 4554      | 4604      |
| Shipping Volume cu. ft.                  | 325       | 325       |
| cu. m.                                   | 9.21      | 9.21      |

\*The ratings are applicable to heavy duty diesel generator sets and are subject to normal varying load factors used in the event of a utility power failure. In this and other emergency applications, the generator set may be operated continuously with no deration except as required for ambient temperature and altitude until normal power is restored. The generator sets are rated at SAE conditions 95°F (35.4°C), 500 ft. (152.5 m), 29 in. Hg. barometer (dry) 98.19 kPa Hg. This rating conforms with DIN "B" 6275.