

SQ-Series 29 to 49 HP



| Model | | S4Q2 | S4Q2-T | |
|----------------|---|-------------------------------|--------------|-------------|
| Specifications | Type | 4-cycle, water-cooled, diesel | | |
| | | Natural-aspirated | Turbocharged | |
| | Bore x Stroke (mm) | 88 x 103 | | |
| | Cylinder arrangement | Inline 4 Cyl. | | |
| | Total Displacement | 2.505 L | | |
| | Combustion System | Swirl Chamber - IDI | | |
| | Dry Weight kg/lbs. | 195/430 | 200/442 | |
| | Starting System | 12 Volt Electric | | |
| Fuel Oil | Diesel fuel oil (ASTM No. 2-D) | | | |
| Power Unit | Continuous Power Rating Output HP (kWm) | 1500 rpm | 28.6 (21.3) | 31.5 (23.5) |
| | | 1800 rpm | 35.8 (26.7) | 37.7 (28.1) |
| | | 2000 rpm | 40.1 (29.9) | 42.2 (31.5) |
| | | 2200 rpm | 43.7 (32.6) | 44.9 (33.5) |
| | | 2400 rpm | 45.7 (34.1) | 48.5 (36.2) |
| | | 2500 rpm | 46.4 (34.6) | N/A |
| | | | | |
| Generators | Prime Power Rating Output HP (kWm) | 60 Hz 1800 rpm | 31.5 (23.5) | N/A |
| | Stand-by Rating Output HP (kWm) | 60 Hz 1800 rpm | 33.5 (25.0) | N/A |

CONSTRUCTION:

- Ribbed thin-wall cast iron crankcase for added strength and durability
- Internal crankcase breather for reduced emissions
- Extra large bearing surfaces for low bearing loads and long life

LUBRICATION:

- Designed to run at up to 30 degrees of inclination.
- Full flow spin-on cartridge filter
- Forced circulation by gear pump
- Oil Capacity: 1.72 gal. (6.5 ltr)

FUEL & COMBUSTION SYSTEMS:

- Bosch style fuel injection pump
- Indirect injection combustion system for low noise and emissions
- Cylinder head is pre-chamber design to increase efficiency of combustion

MOUNTING:

- Standard crankcase side mounting pads for flexible mounting arrangements
- Rear engine support available from side mounting pads on SAE 4 housing

COOLING:

- Forced circulation by centrifugal pump
- Cooling packages available for ambient temperatures
- Cooling Fan (Std. Eq.): Variable Speed (VS)-Suction Generator Drive (GD)-Pusher

ELECTRIC SYSTEM:

- Starter: 12V, 2.0kW
- Alternator: 12V, 50 amp with integral regulator
- Glow Plugs: 12V
- High water temperature and low oil pressure switches
- Stop Solenoid: 12V, energized to run (ETR) solenoid

GOVERNING:

- Mechanical governing is provided for either variable or constant speeds

DRIVES:

- SAE 4 flywheel housing and 7.5 inch flywheel (GD & VS models)
- Rotation direction: counter-clockwise, facing the flywheel end
- Side PTO drives are available for mounting at the gear end