

SS-Series 42 to 83 HP



Model		S4S	S4S-DT	
Specifications	Type	4-cycle water-cooled, diesel		
		Natural-aspirated	Turbocharged	
	Bore x Stroke (mm)	94 x 120		
	Cylinder arrangement	Inline 4 Cyl.		
	Total Displacement	3.331		
	Combustion System	Swirl Chamber	Direct Injection	
	Dry Weight kg/lbs.	245/540	250/551	
	Starting System	12 Volt Electric		
Fuel Oil	Diesel fuel oil (ASTM No. 2-D)			
Power Unit	Continuous Power Rating Output HP (kWm)	1500 rpm	42.0 (31.3)	57.0 (42.5)
		1800 rpm	49.6 (37.0)	67.0 (50.0)
		2000 rpm	54.8 (40.9)	72.4 (54.0)
		2200 rpm	57.8 (43.1)	76.7 (57.2)
		2500 rpm	63.0 (47.0)	83.1 (62.0)
	Generators	Prime Power Rating Output HP (kWm) 60 Hz 1800 rpm	44.0 (32.8)	57.3 (42.7)
	Stand-by Rating Output HP (kWm) 60 Hz 1800 rpm	46.4 (34.3)	60.3 (45.0)	

CONSTRUCTION:

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

LUBRICATION:

- Designed to run at up to 25 degrees of inclination
- Full flow spin-on cartridge filter
- Forced circulation by trochoid gear pump
- Oil Capacity: 2.64 gal. (10 ltr)

FUEL & COMBUSTION SYSTEMS:

Bosch style fuel injection pump

MOUNTING:

- Standard crankcase side mounting pads for flexible mounting arrangements
- Rear engine support available from side mounting pads on SAE 3 housing

COOLING:

- Forced circulation by centrifugal pump
- Cooling packages available for ambient temperatures up to 108 F (42 C)
- Cooling Fan (Std. Eq.): Variable Speed (VS)-Suction Generator Drive (GD)-Pusher

ELECTRIC SYSTEM:

- Starter: 12V, 2.2kW
- 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 3 flywheel housing and 11.5in flywheel (GD & VS models)
- Rotation direction: counter-clockwise, facing the flywheel
- Side PTO drives are available for mounting at the gear end