

S3L-Series 11.3 to 26.3 HP



Model		S3L	S3L2
Specifications	Type	4-cycle, water-cooled, diesel Natural-aspirated	
	Bore x Stroke (mm)	78 x 78.5	78 x 92
	Cylinder arrangement	Inline 3 Cyl.	Inline 3 Cyl.
	Total Displacement	1.125	1.318
	Combustion System	Swirl Chamber - IDI	
	Dry Weight kg/lbs.	150/301	150/301
	Starting System	Electric starting with cell starter	
	Fuel Oil	Diesel fuel oil (ASTM No. 2-D)	
Power Unit	1500 rpm	8.4 (11.3)	10.1 (13.5)
	1800 rpm	10.5 (14.1)	12.6 (16.9)
	2000 rpm	11.9 (16.0)	14.0 (18.8)
	2200 rpm	13.3 (17.8)	15.4 (20.7)
	2500 rpm	15.0 (20.1)	17.1 (22.9)
	3000 rpm	17.8 (23.9)	19.6 (26.3)
Generators	Prime Power Rating Output kWm (HP)	50 Hz 1500 rpm 60 Hz 1800 rpm	8.1 (10.9) 9.9 (13.3)
	Stand-by Rating Output kWm (HP)	50 Hz 1500 rpm 60 Hz 1800 rpm	8.8 (11.8) 11.0 (14.8)
			9.6 (12.9) 11.8 (15.8)
			10.7 (14.3) 13.2 (17.7)

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 15 degrees of inclination and includes a full flow spin-on cartridge filter
- Forced circulation by trochoid gear pump
- Oil Capacity: 1.12 gal. (4.2 ltr)

FUEL & COMBUSTION SYSTEMS:

- Bosch style fuel injection pump
- Indirect injection combustion system for low noise and emissions
- Cylinder head is a 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 5 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, 1.7kW
- Alternator: 12V, 50 amp with integral regulator
- Glow Plugs: 12V
- High water temperature and low oil pressure switches
- Stop Solenoid: 12V integrated ETR stop solenoid eliminates external linkage

GOVERNING:

- Mechanical governing is provided for either variable or constant speeds

DRIVES:

- SAE 5 flywheel housing and 7.5in SAE flywheel (GD & VS models)
- Rotation direction: counter-clockwise, facing the flywheel end
- Side PTO drives are available for mounting at the gear end