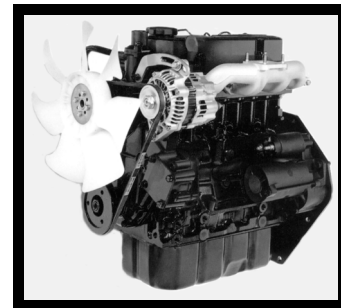




MITSUBISHI ENGINE

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S4L - SERIES 16 to 37 HP

	Model		S4L	S4L2
Specifications	Type		4-cycle, water-cooled, diesel Natural-aspirated	
	Cylinder arrangement - Bore x Stroke mm		78 X 78.5	78 X 92
	Engine Configuration		Inline 4 Cyl.	
	Total Displacement		1.5	1.758
	Combustion System		Swirl Chamber	
	Dry Weight kg / lbs.		155 / 344	
	Starting System		Electric starting with cell starter	
	Fuel Oil		Diesel fuel oil (ASTM No. 2-D)	
Power Unit	Continuous Power Rating Output kWm (HP)	1500 rpm	11.9 (16.0)	14.3 (19.2)
		1800 rpm	14.7 (19.7)	17.5 (23.5)
		2000 rpm	16.4 (22.0)	19.2 (25.7)
		2200 rpm	18.2 (24.4)	21.0 (28.2)
		2500 rpm	20.3 (27.2)	23.4 (31.4)
		3000 rpm	23.7 (31.8)	26.2 (35.1)
	One-hour Power Rating Output kWm (HP)	1500 rpm	12.5 (16.8)	15.1 (20.2)
		1800 rpm	15.4 (20.7)	18.4 (24.7)
		2000 rpm	17.3 (23.2)	20.2 (27.1)
		2200 rpm	19.1 (25.6)	22.1 (29.6)
		2500 rpm	21.3 (28.6)	24.6 (33.0)
		3000 rpm	☆ 25.0 (33.5)	☆ 27.6 (37.0)
Generators	Prime Power Rating Output kWm (HP)	50Hz 1500 rpm	11.4 (15.3)	13.6 (18.2)
		3000 rpm	22.1 (29.6)	24.1 (32.3)
		60Hz 1800 rpm	14.0 (18.8)	16.6 (22.3)
	Stand-By Rating Output kWm (HP)	50Hz 1500 rpm	12.5 (16.8)	15.0 (20.1)
		3000 rpm	25.0 (33.5)	27.6 (37.0)
		60Hz 1800 rpm	☆ 15.4 (20.7) ★	☆ 18.4 (24.7)

☆ EPA CERTIFICATION

★ CARB CERTIFICATION

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 a trochoid gear pump.
- Oil Capacity: 1.43 gal (5.4 lit.)

FUEL & COMBUSTION SYSTEMS

- Bosh style fuel injection pump.
- Indirect injection combustion system for low noise and emissions.
- Cylinder head is a cross-flow, 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 a centrifugal pump.
- Cooling packages available for ambient temperatures up to 122°F (50°C).
- Cooling Fan (Std. Eqt.): 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 integrated ETR stop solenoid eliminates external linkage.

GOVERNING

- Mechanical governing is provided for either variable or constant speeds.

DRIVES

- SAE 5 flywheel housing and 7.5 inch flywheel (GD & VS models).
- Limited power hydraulic drives are available for mounting at the gear end.
- Rotation direction: counter-clockwise facing the flywheel end.