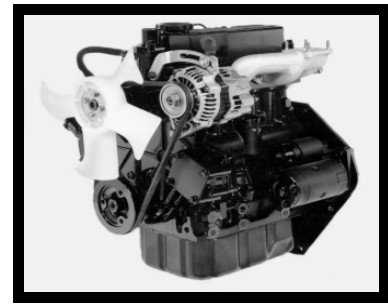




# MITSUBISHI ENGINE

1250 Greenbriar Drive, Ste. E  
 Addison, IL 60101-1065  
 (630) 268-0750  
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 www.mitsubishi-engine.com



## S3L - SERIES 11.3 to 27.6 HP

	Model		S3L	S3L2
<b>Specifications</b>	<b>Type</b>		4-cycle, water-cooled, diesel Natural-aspirated	
	<b>Cylinder arrangement - Bore x Stroke mm</b>		78 X 78.5	78 X 92
	<b>Engine Configuration</b>		Inline 3 Cyl.	
	<b>Total Displacement</b>		1.125	1.318
	<b>Combustion System</b>		Swirl Chamber	
	<b>Dry Weight kg / lbs.</b>		150 / 301	
	<b>Starting System</b>		Electric starting with cell starter	
	<b>Fuel Oil</b>		Diesel fuel oil (ASTM No. 2-D)	
<b>Power Unit</b>	<b>Continuous Power Rating Output kWm (HP)</b>	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)
	<b>One-hour Power Rating Output kWm (HP)</b>	1500 rpm	8.8 (11.8)	10.7 (14.3)
		1800 rpm	11.0 (14.8)	13.2 (17.7)
		2000 rpm	12.5 (16.8)	14.7 (19.7)
		2200 rpm	14.0 (18.8)	16.2 (21.7)
		2500 rpm	15.8 (21.2)	18.0 (24.1)
		3000 rpm	☆ 18.8 (25.2)	☆ 20.6 (27.6)
<b>Gen-Drive</b>	<b>Prime Power kWm (HP)</b>	50Hz 1500 rpm	8.1 (10.9)	9.6 (12.9)
		60Hz 1800 rpm	9.9 (13.3)	11.8 (15.8)
	<b>Stand-By kWm (HP)</b>	50Hz 1500 rpm	8.8 (11.8)	10.7 (14.3)
		60Hz 1800 rpm	★ 11.0 (14.8) ☆	★ 13.6 (18.2) ☆

☆ 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: 0.98 gal (3.7 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. Eq.): Variable Speed (VS) - Suction  
Generator Drive (GD) - Pusher

### ELECTRIC SYSTEM

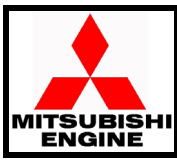
- Starter: 12V, 1.7kW
- Alternator: 12V, 50 amp with integral regulator
- Glow Plugs: 12V
- High water temperature and low oil pressure switches.
- Stop Solenoid: 12V integrated ETR stop solenoid eliminates external linkage.

### GOVERNING

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

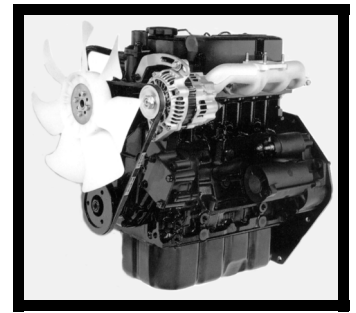
### DRIVES

- SAE 5 flywheel housing and 7.5 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.



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## S4L - SERIES 16 to 37 HP

	Model		S4L	S4L2
<b>Specifications</b>	<b>Type</b>		4-cycle, water-cooled, diesel Natural-aspirated	
	<b>Cylinder arrangement - Bore x Stroke mm</b>		78 X 78.5	78 X 92
	<b>Engine Configuration</b>		Inline 4 Cyl.	
	<b>Total Displacement</b>		1.5	1.758
	<b>Combustion System</b>		Swirl Chamber	
	<b>Dry Weight kg / lbs.</b>		155 / 344	
	<b>Starting System</b>		Electric starting with cell starter	
	<b>Fuel Oil</b>		Diesel fuel oil (ASTM No. 2-D)	
<b>Power Unit</b>	<b>Continuous Power Rating Output kWm (HP)</b>	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)
	<b>One-hour Power Rating Output kWm (HP)</b>	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)
<b>Generators</b>	<b>Prime Power Rating Output kWm (HP)</b>	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)
	<b>Stand-By Rating Output kWm (HP)</b>	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. 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 integrated ETR stop solenoid eliminates external linkage.

### GOVERNING

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

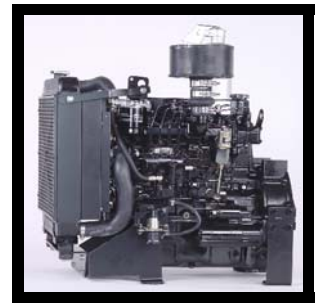
### DRIVES

- 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.



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## S4Q - SERIES 24 to 47.5 HP

Model		S4Q	S4Q2	
Specifications	Type	4-cycle, water-cooled, diesel engine		
		Naturally Aspirated		
	Cylinder Arrangement - Bore x Stroke (mm)	88 X 95	88 X 103	
	Engine Configuration	Inline 4 Cyl.		
	Total Displacement - Liters	2.311	2.505	
	Combustion System	Swirl Chamber - IDI		
	Dry Weight kg / lbs.	195 / 430		
	Starting System	Electric starting with cell starter		
Fuel Oil	Diesel fuel oil (ASTM No. 2-D)			
Power Unit	Continuous	1500 rpm	N/A	20.2 (27.0)
	Power Rating	1800 rpm		24.6 (33.0)
	Output	2000 rpm		27.6 (37.0)
	kWm (HP)	2200 rpm		30.2 (40.5)
	kWm (HP)	2500 rpm		33.1 (44.5)
	One-hour	1500 rpm	N/A	21.7 (29.0)
	Power Rating	1800 rpm		26.1 (35.0)
	Output	2000 rpm		29.1 (39.0)
	kWm (HP)	2200 rpm		32.0 (43.0)
	kWm (HP)	2500 rpm		☆ 35.3 (47.5)
Generators	Prime Power	50Hz 1500 rpm	18.0 (24.0)	19.9 (26.5)
	kWm (HP)	60Hz 1800 rpm	22.1 (29.6)	23.9 (32.0)
	Stand-By	50Hz 1500 rpm	19.9 (26.5)	21.7 (29.0)
	kWm (HP)	60Hz 1800 rpm	☆ 24.3 (32.5)	☆ 26.1 (35.0)

☆ EPA 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

- Full flow spin-on cartridge filter.
- Forced circulation by trochoid gear pump.
- Oil Capacity: 1.72 gal (6.5 lit.)

### FUEL & COMBUSTION SYSTEMS

- Bosch 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 4 housing.

### COOLING

- Forced circulation by centrifugal pump.
- Cooling packages available for ambient temperatures up to 122°F (50°C).
- 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 stop (ETS) 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.
- Limited power hydraulic drives are available for mounting at the gear end.



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## S4S - SERIES

### 39.5 to 74 HP

	Model		S4S	S4S-DT
Specifications	Type		4-cycle, water-cooled, diesel engine	
			Naturally-Aspirated	Turbocharged
	Cylinder arrangement-Bore x Stroke (mm)		94 X 120	
	Engine Configuration		Inline 4 Cyl.	
	Total Displacement - Liters		3.331	
	Combustion System		Swirl Chamber-IDI	Direct Injection
	Dry Weight kg / lbs.		245 / 540	250 / 551
	Starting System		Electric starting with cell starter	
	Fuel Oil		Diesel fuel oil (ASTM No. 2-D)	
Power Unit	Continuous	1500 rpm	29.4 (39.5)	36.8 (49.3)
		1800 rpm	34.9 (47.0)	41.5 (55.6)
	Output	2000 rpm	38.2 (51.0)	44.0 (59.0)
		2200 rpm	41.2 (55.5)	46.4 (62.3)
	kWm (HP)	2500 rpm	44.9 (60.0)	49.7 (66.6)
		1500 rpm	30.9 (41.5)	40.9 (54.8)
	One-hour	1800 rpm	36.8 (49.5)	46.1 (61.8)
		2000 rpm	40.5 (54.0)	48.9 (65.5)
	Output	2200 rpm	43.4 (58.0)	51.6 (69.2)
		2500 rpm	☆ 47.1 (63.0)	☆ 55.2 (74.0)
Generators	Prime Power	50Hz 1500 rpm	28.0 (37.5)	36.8 (49.5)
		60Hz 1800 rpm	33.5 (45.0)	43.4 (58.0)
	Stand-By	50Hz 1500 rpm	30.9 (41.5)	40.5 (54.0)
		60Hz 1800 rpm	☆ 36.8 (49.5)	☆ 47.8 (64.0)

☆ EPA CERTIFIED

#### 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

- Full flow spin-on cartridge filter.
- Forced circulation by a trochoid gear pump.
- Oil Capacity: 2.64 gal (10 lit.)

#### FUEL & COMBUSTION SYSTEMS

- Bosch style fuel injection pump.
- Indirect injection combustion system on S4S model for low noise and emissions.

#### MOUNTING

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

#### COOLING

- Forced circulation by centrifugal pump.
- Cooling packages available for ambient temperatures up to 122°F (50°C).
- Cooling Fan (Std. Eq.): Variable Speed (VS) - Suction Generator Drive (GS) - 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.

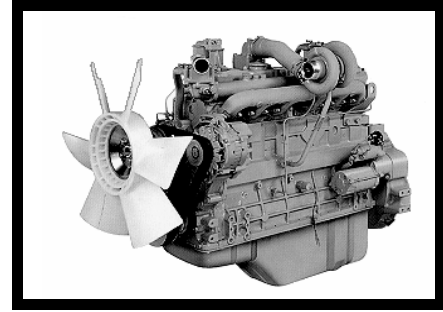
#### DRIVES

- SAE 3 flywheel housing and 11.5 inch flywheel (GD & VS models).
- Rotation direction: counter-clockwise, facing the flywheel.
- Limited power hydraulic drives are available for mounting at the gear end.



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## SK - SERIES 59 to 128 HP

Model		S4K-T	S6K-T	
Specifications	Type	4-cycle, water-cooled, diesel engine Turbocharged		
	Cylinder Arrangement - Bore x Stroke (mm)	102 X 130	102 X 130	
	Engine Configuration	Inline 4 Cyl.	Inline 6 Cyl.	
	Total Displacement - Liters	4.249	6.373	
	Combustion System	Direct injection		
	Dry Weight kg / lbs.	350 / 772	475 / 1048	
	Starting System	Electric starting with cell starter		
	Fuel Oil	Diesel fuel oil (ASTM No. 2-D)		
Power Unit	Continuous	1500 rpm	44.1 (59.1)	62.8 (84.2)
	Power Rating	1800 rpm	51.3 (68.8)	73.6 (98.7)
	Output	2000 rpm	52.2 (70.0)	75.4 (101.1)
	kWm (HP)	2200 rpm	53.1 (71.2)	77.2 (103.5)
	One-hour	1500 rpm	49.0 (65.7)	69.8 (93.6)
	Power Rating	1800 rpm	57.0 (76.4)	81.8 (109.7)
	Output	2000 rpm	58.0 (77.7)	83.8 (112.3)
	kWm (HP)	2200 rpm	☆ 59.0 (79.1)	☆ 85.8 (115.0)
Generator	Prime Power	50Hz 1500 rpm	54.0 (72.5)	80.0 (107.5)
	kWm (HP)	60Hz 1800 rpm	53.3 (71.5)	86.5 (116.0)
	Stand-By	50Hz 1500 rpm	59.0 (79.0)	88.0 (118.0)
	kWm (HP)	60Hz 1800 rpm	☆ 58.5 (78.5)	☆ 95.5 (128.0)

☆ EPA CERTIFIED

### 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

- Full flow spin-on cartridge filter.
- Forced circulation by a trochoid gear pump.
- Oil Capacity: S4K-T 3.17 gal (12 lit.)  
S6K-T 5.42 gal (20.5 lit.)

### FUEL & COMBUSTION SYSTEMS

- Direct injection combustion system.
- Bosch type fuel injection pump.
- Injection nozzles are multi-hole type.

### 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 122°F (50°C).
- Cooling Fan (Std. Eq.): Variable Speed (VS) - Suction  
Generator Drive (GD) - Pusher

### ELECTRIC SYSTEM

- Alternator: 24V, 35 amp with integral regulator
- Starter: 24V, 5.0kW
- Air Heater: 24V
- High water temperature and low oil pressure switches.
- Stop Solenoid: 24V Energize to stop (ETS) solenoid.

### GOVERNING

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

### DRIVES

- SAE 3 flywheel housing and 11.5 inch flywheel (GD & VS models).
- Rotation direction: counter-clockwise, facing the flywheel end.
- Limited power hydraulic drives are available for mounting at the gear end.