



MITSUBISHI ENGINE

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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)
	Power Rating	1800 rpm	34.9 (47.0)	41.5 (55.6)
	Output	2000 rpm	38.2 (51.0)	44.0 (59.0)
	kWm (HP)	2200 rpm	41.2 (55.5)	46.4 (62.3)
		2500 rpm	44.9 (60.0)	49.7 (66.6)
	One-hour	1500 rpm	30.9 (41.5)	40.9 (54.8)
	Power Rating	1800 rpm	36.8 (49.5)	46.1 (61.8)
	Output	2000 rpm	40.5 (54.0)	48.9 (65.5)
	kWm (HP)	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)
	kWm (HP)	60Hz 1800 rpm	33.5 (45.0)	43.4 (58.0)
	Stand-By	50Hz 1500 rpm	30.9 (41.5)	40.5 (54.0)
	kWm (HP)	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. Eqt.): 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.