

# MITSUBISHI DIESEL ENGINE

*For Generator Application*



**MITSUBISHI**  
HEAVY INDUSTRIES, LTD.



# ADVANCED TECHNOLOGY

Mitsubishi is most pleased to present you herewith our diesel engine line-up with latest technology and innovation for your own power need.



## Low Noise

Powerful, but as quiet as possible...one of Mitsubishi's development target is to lower the engine noise level through the research and development to support the trend of regulations for the comfort of human's environment.

## Clean Diesel

To create the sustainable power source is the highest mission for Mitsubishi. To comply with latest and future emission regulations is one of the ways for engine manufacturers to protect the environment. As a long-term solution for your power need, Mitsubishi's technology supports the human activity with philosophy of "ECOSILENT ENGINE" now and in the future.

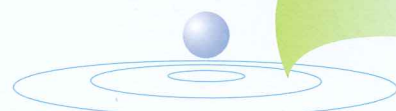
## Low Fuel Consumption

Mitsubishi's engine with low fuel consumption adds the value to your product and supports the operation at end users' premises in years. In combination with Mitsubishi-made turbocharger with world top class technology, we contribute to the saving of both financial and environmental resource during its life even further.

## Easy Maintenance

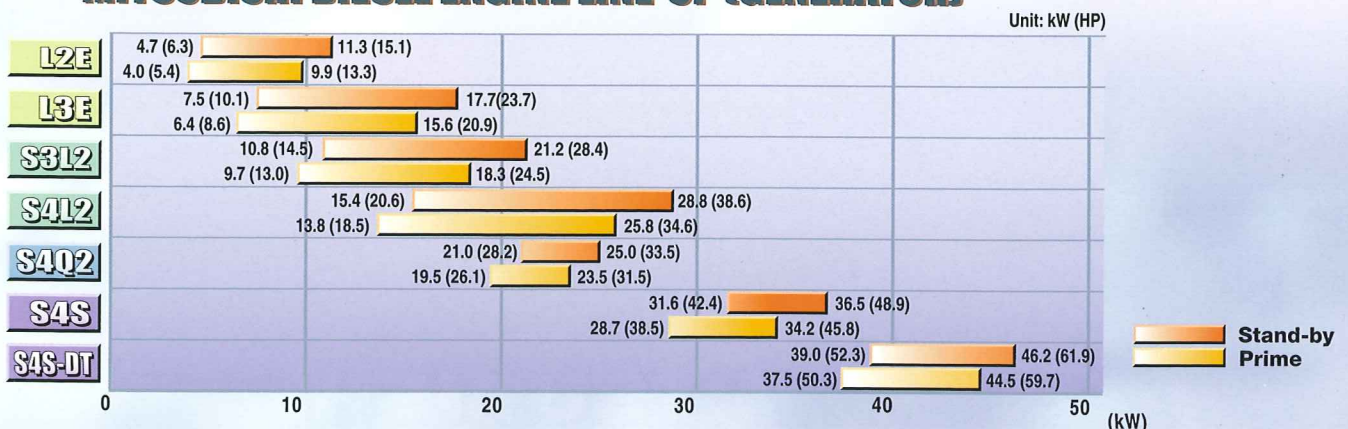
The accessibility to serving points with ease helps end users' regular maintenance during its full operation. To be a reliable partner of the human activity, Mitsubishi's design with durability supports your product in the market now and in the future.

## ECOSILENT ENGINE



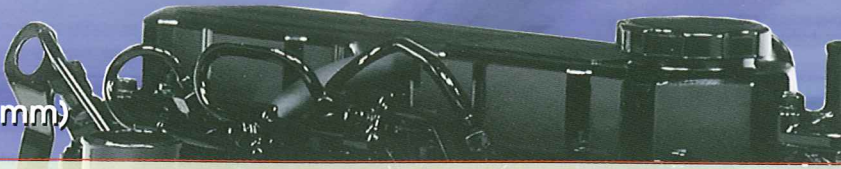
"ECOSILENT ENGINE" REPRESENTS MHI'S PHILOSOPHY TO DEVELOP THE MOST ENVIRONMENTALLY-FRIENDLY ENGINE FOR ALL LIVES AND OUR EARTH.

## MITSUBISHI DIESEL ENGINE LINE-UP (GENERATOR)

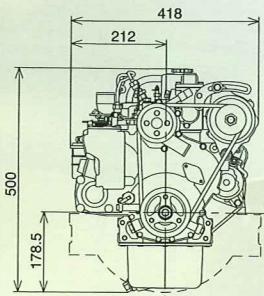




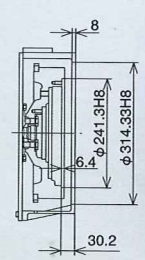
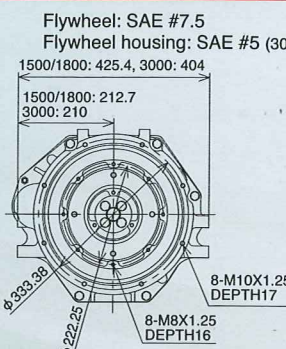
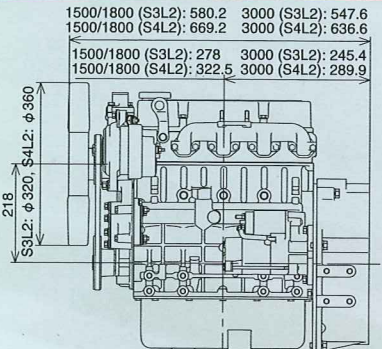
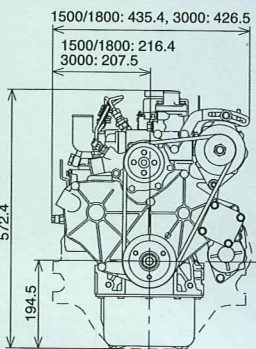
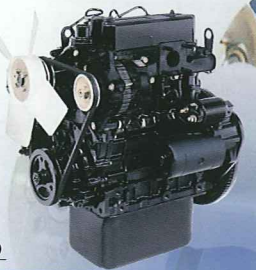
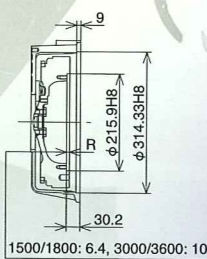
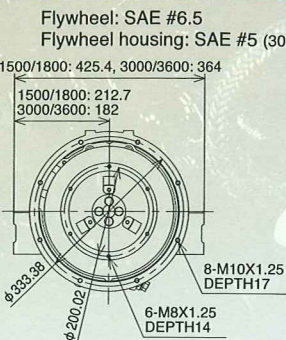
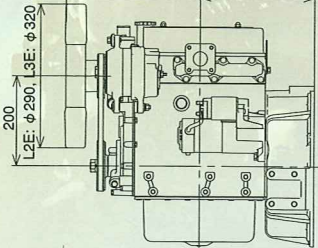
Dimensions (Unit: mm)



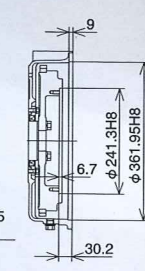
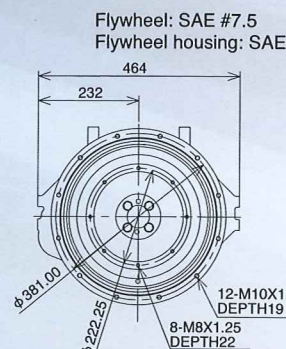
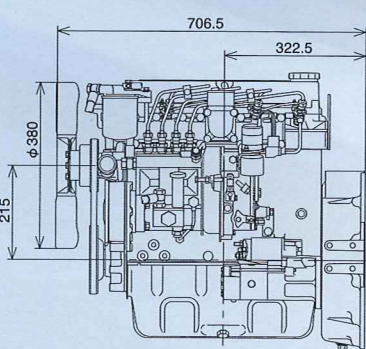
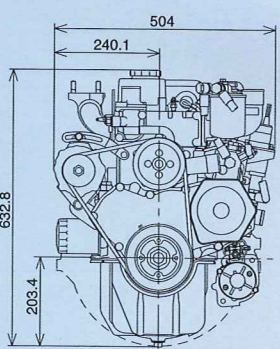
L2E/L3E



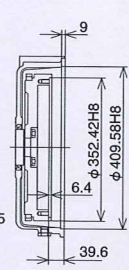
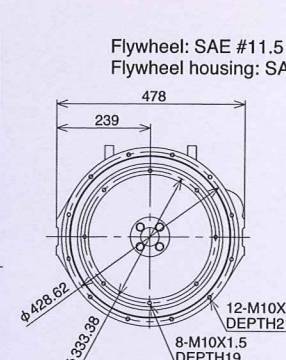
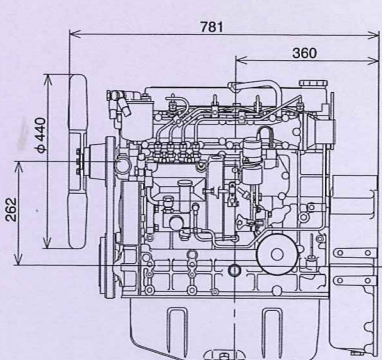
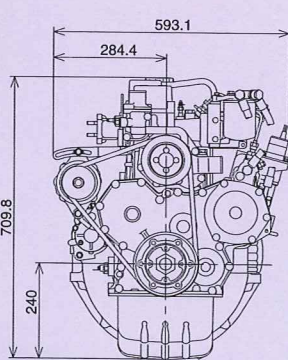
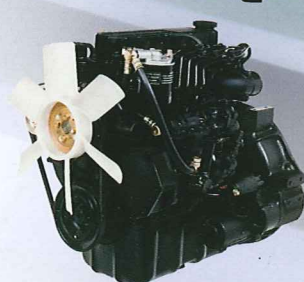
1500/1800 (L2E): 448.3 3000/3600 (L2E): 419  
1500/1800 (L3E): 226.2 3000/3600 (L3E): 526.9  
1500/1800 (L2E): 213 3000/3600 (L2E): 183.7  
1500/1800 (L3E): 254.5 3000/3600 (L3E): 225.2



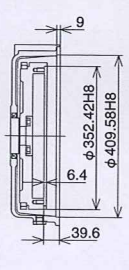
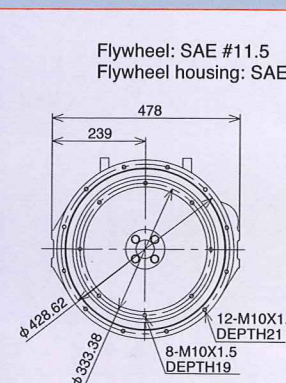
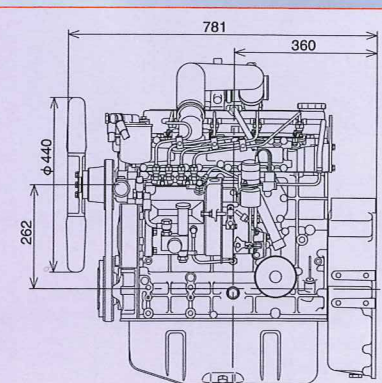
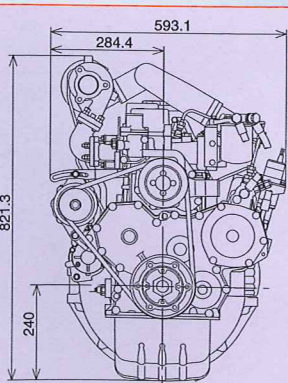
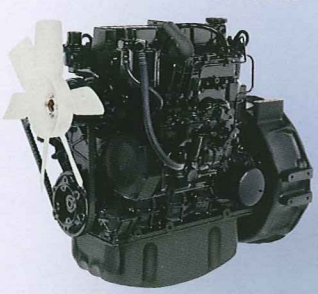
S3L2/S4L2



S4Q2



S4S



S4S-DT






# Specification

Item	Model	L2E	L3E	S3L2	S4L2
Type		4-cycle, water-cooled, diesel engine			
Aspiration		Natural-aspirated			
Number of cylinders		2	3	3	4
Bore and stroke	mm	76×70	76×70	78×92	78×92
Displacement	cc	635	952	1318	1758
Combustion system		Swirl chamber			
Firing order (Electric starting with cell starter)		1-2	1-3-2	1-3-2	1-3-4-2
Charging alternator	V - A	12 - 40	12 - 40	12 - 50	12 - 50
Starting system	V - kW	12 - 1.2	12 - 1.7	12 - 1.7	12 - 2.0
Fuel		Diesel fuel (ASTM No. 2-D)			
Lub. oil capacity	ℓ	2.0	3.1	4.2	6.0
Dry weight (1500/1800 rpm. spec. )	kg	73	87	135	155
Generator output (ISO3046, gross*)	50 Hz St-by kW	4.7	7.5	10.8	15.4
	(1500 rpm) Prime kW	4.0	6.4	9.7	13.8
	60 Hz St-by kW	6.0	9.3	13.4	18.8
	(1800 rpm) Prime kW	5.1	8.0	12.0	17.0
	50 Hz St-by kW	9.9	15.4	21.2	28.8
	(3000 rpm) Prime kW	8.5	13.3	18.3	25.8
	60 Hz St-by kW	11.3	17.7	—	—
	(3600 rpm) Prime kW	9.9	15.6	—	—
Flywheel		SAE #6.5	SAE #6.5	SAE #7.5	SAE #7.5
Flywheel housing		SAE #5	SAE #5	SAE #5	SAE #5
Emission compliance		US EPA Tier 4a		US EPA Tier 4a / EU Stage 2 constant	

Item	Model	S4Q2	S4S	S4S-DT
Type		4-cycle, water-cooled, diesel engine		
Aspiration		Natural-aspirated	Natural-aspirated	Turbocharged
Number of cylinders		4	4	4
Bore and stroke	mm	88×103	94×120	94×120
Displacement	cc	2505	3331	3331
Combustion system		Swirl chamber	Swirl chamber	Direct injection
Firing order (Electric starting with cell starter)		1-3-4-2	1-3-4-2	1-3-4-2
Charging alternator	V - A	12 - 50	12 - 50	12 - 50
Starting system	V - kW	12 - 2.0	12 - 2.2	12 - 2.2
Fuel		Diesel fuel (ASTM No. 2-D)		
Lub. oil capacity	ℓ	6.5	10.0	10.0
Dry weight (1500/1800 rpm. spec. )	kg	195	245	250
Generator output (ISO3046, gross*)	50 Hz St-by kW	21.0	31.6	39.0
	(1500 rpm) Prime kW	19.5	28.7	37.5
	60 Hz St-by kW	25.0	36.5	46.2
	(1800 rpm) Prime kW	23.5	34.2	44.5
Flywheel		SAE #7.5	SAE #11.5	SAE #11.5
Flywheel housing		SAE #4	SAE #3	SAE #3
Emission compliance		US EPA Tier 4a / EU Stage 2 constant		US EPA Tier 2 / EU Stage 2 constant

Note \*: The out put of the basic engine without such accessories as air cleaner, fan, radiator, muffler, dynamo etc.

 Please read the accompanying instruction manual and all caution labels before operating equipment. The specification described in this catalog is subject to change without prior notice.

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