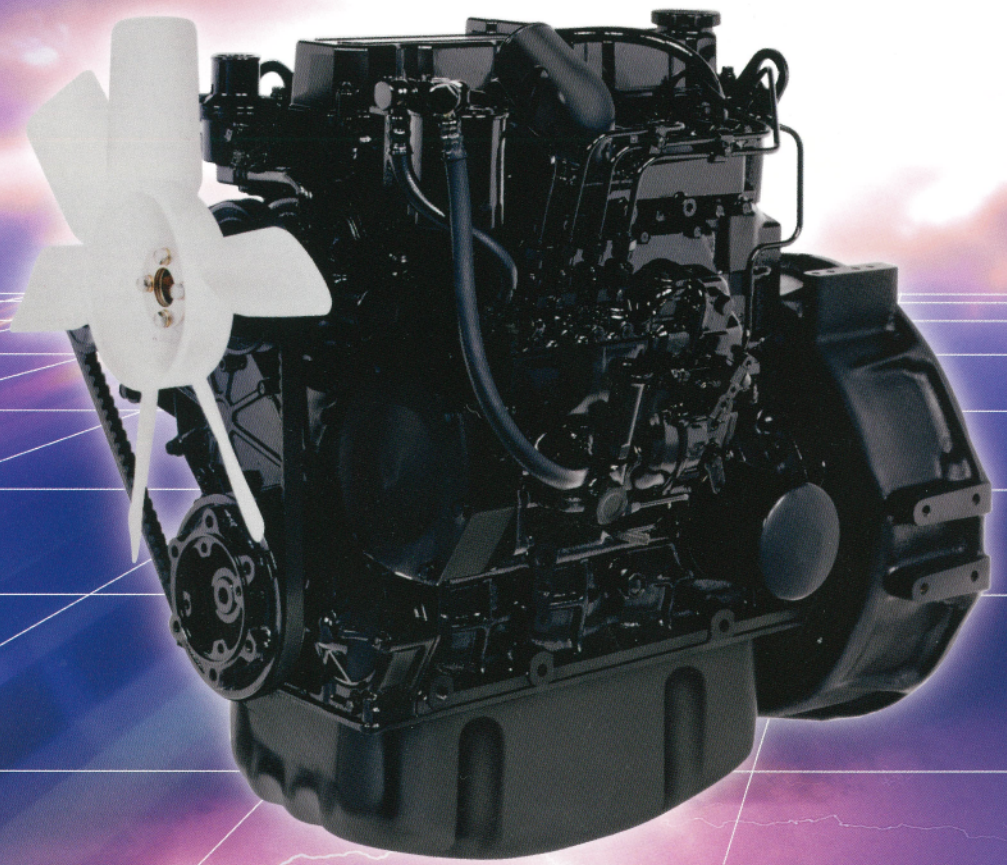


MITSUBISHI DIESEL ENGINE

For Generator Application



**MITSUBISHI HEAVY INDUSTRIES
ENGINE & TURBOCHARGER, LTD.**

Our Technologies, Your Tomorrow

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.

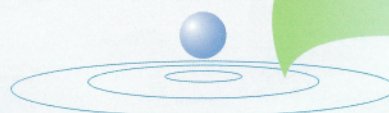
Low Fuel Consumption

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

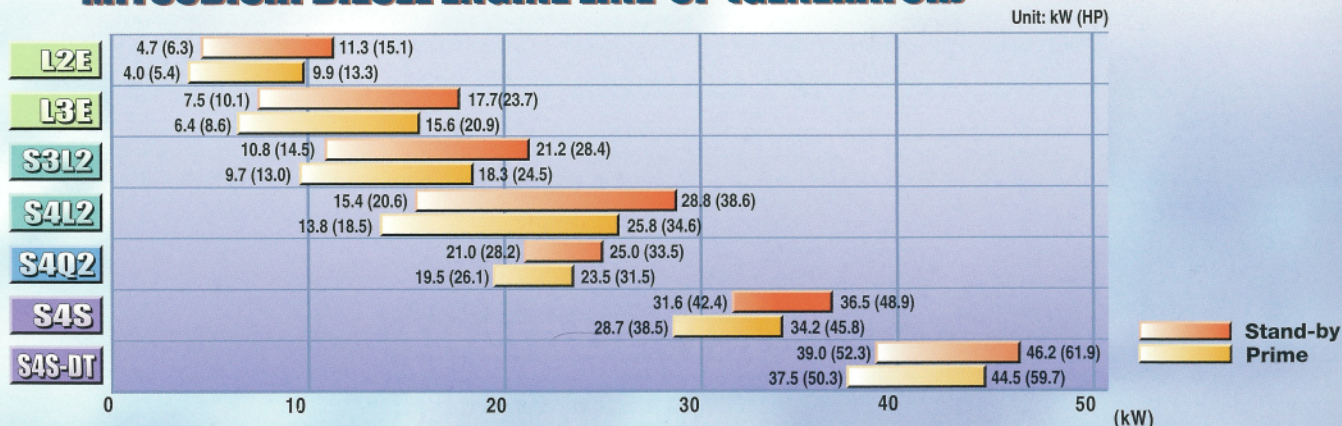
The accessibility to serving points with ease helps end users' regular maintenance during its full operation. To be a reliable partner of the human activity, Mitsubishi's design with durability supports your product in the market now and in the future.

ECOSILENT ENGINE



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

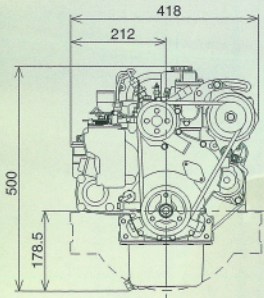
MITSUBISHI DIESEL ENGINE LINE-UP (GENERATOR)



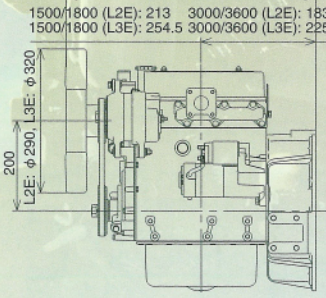
Dimensions (Unit: mm)



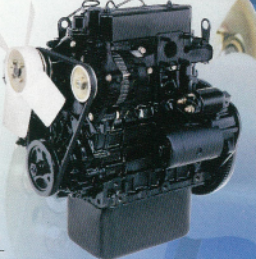
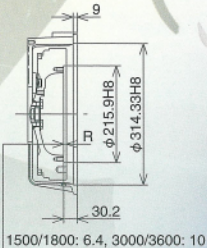
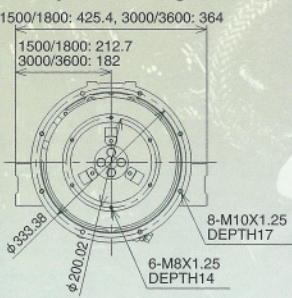
L2E/L3E



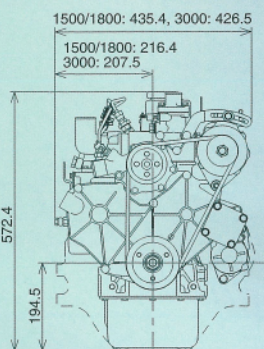
1500/1800 (L2E): 448.3 3000/3600 (L2E): 419
1500/1800 (L3E): 226.2 3000/3600 (L3E): 526.9



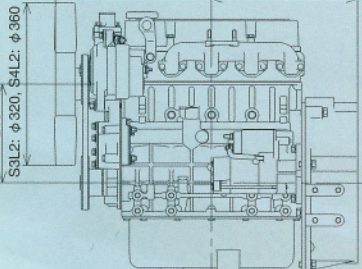
Flywheel: SAE #6.5
Flywheel housing: SAE #5 (3000/3600: Thin type)



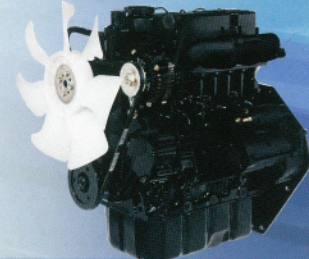
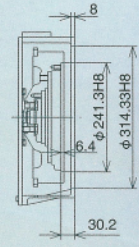
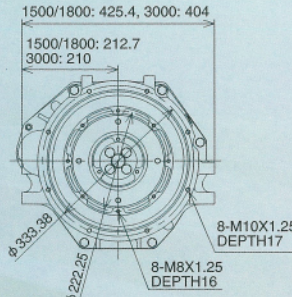
S3L2/S4L2



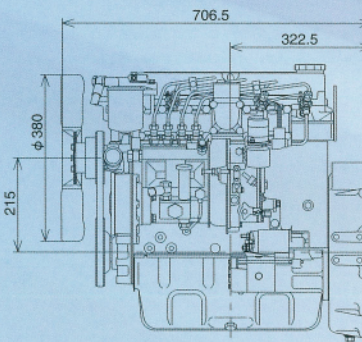
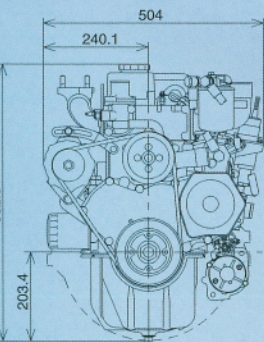
1500/1800 (S3L2): 580.2 3000 (S3L2): 547.6
1500/1800 (S4L2): 669.2 3000 (S4L2): 636.6
1500/1800 (S3L2): 278 3000 (S3L2): 245.4
1500/1800 (S4L2): 322.5 3000 (S4L2): 289.9



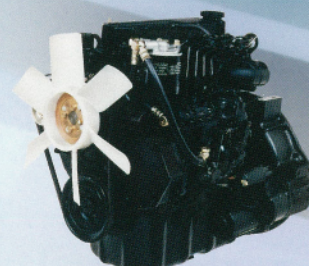
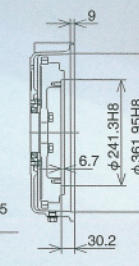
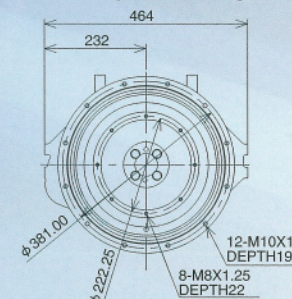
Flywheel: SAE #7.5
Flywheel housing: SAE #5 (3000: Thin type)



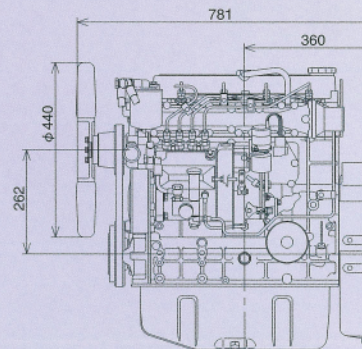
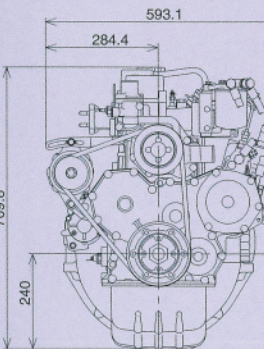
S4Q2



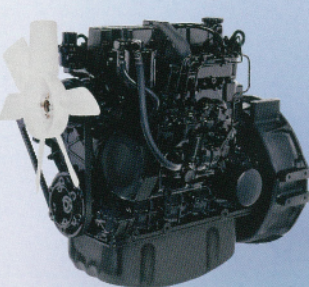
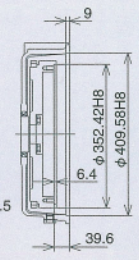
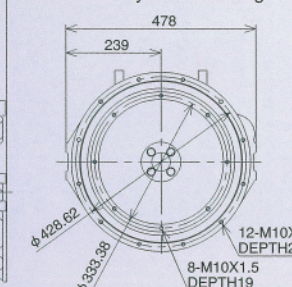
Flywheel: SAE #7.5
Flywheel housing: SAE #4



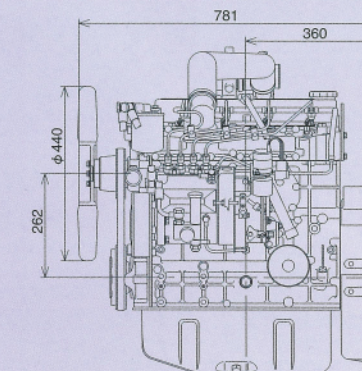
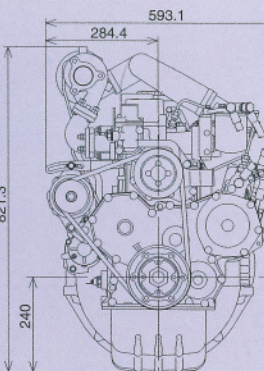
S4S



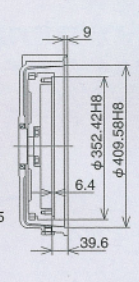
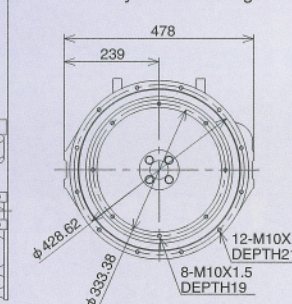
Flywheel: SAE #11.5
Flywheel housing: SAE #3



S4S-DT



Flywheel: SAE #11.5
Flywheel housing: SAE #3



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
Displacement					cc	635	952	1318
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
Starting system					V - kW	12 - 1.2	12 - 1.7	12 - 1.7
Fuel					Diesel fuel (ASTM No. 2-D)			
Lub. oil capacity					ℓ	2.0	3.1	4.2
Dry weight (1500/1800 rpm. spec.)					kg	73	87	135
Generator output (ISO3046, gross*)	50 Hz (1500 rpm)	St-by	kW	4.7	7.5	10.8	15.4	
		Prime	kW	4.0	6.4	9.7	13.8	
	60 Hz (1800 rpm)	St-by	kW	6.0	9.3	13.4	18.8	
		Prime	kW	5.1	8.0	12.0	17.0	
	50 Hz (3000 rpm)	St-by	kW	9.9	15.4	21.2	28.8	
		Prime	kW	8.5	13.3	18.3	25.8	
	60 Hz (3600 rpm)	St-by	kW	11.3	17.7	—	—	
		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 (1500 rpm)	St-by	kW	21.0	31.6
		Prime	kW	19.5	28.7
	60 Hz (1800 rpm)	St-by	kW	25.0	36.5
		Prime	kW	23.5	34.2
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.