

ENGINES FOR POWER GENERATION

- Dependable and durable in power generation
- Engines for continuous, prime, stand-by and emergency operation
- Available in high and medium speed
- Wide range of outputs
- Available as gas and diesel solution
- Suitable for cogeneration of energy



Advanced technology

Your partner in reliable, durable engines for all power generation applications.

Global Reach

As a globally operating company with subsidiaries in all parts of the world, our goal is to help you wherever you need it. Our engines are made to perform under the toughest conditions and are known for their durability and reliability.

Reliable engines

The Mitsubishi diesel and gas engine line up for power generation comprises of engines from 6.5 kWm up to 15,000 kWm*. These engines can be found in a multitude of applications including generator sets for stand-by or emergency power, prime power for peak shaving or base load power plants.

Partner

With a relentless focus on engineering and product design we continuously improve our products. Always ensuring the Japanese quality standards, the engines are built to last and with ease of installation and maintenance in mind.

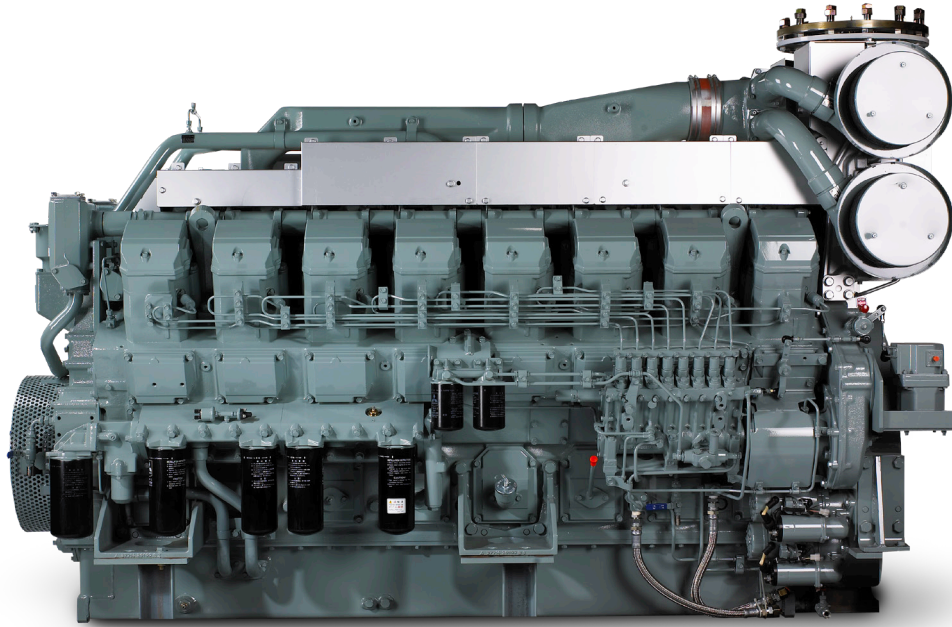
We understand that building the right solutions begins with building strong, respectful relationships. By listening to our customers and fully understanding their needs, we work as a team to create products that keep everyone's best interest in mind.

Mitsubishi Heavy Industries Group

For over 130 years, Mitsubishi Heavy Industries (MHI) Group offers world-class innovative, integrated, and sustainable technologies and solutions to create a better future for the world. We use a forward-thinking approach and deep industrial knowledge to bring together people, businesses, and ideas to achieve shared success.

As a global leader in engineering and manufacturing, MHI Group delivers innovative and integrated solutions across a wide range of industries from commercial aviation and transportation to power plants and gas turbines, and from machinery and infrastructure to integrated defense and space systems.

* More information on engines above 3,604 kWm available upon request.



Power Generation Engines

MODEL RANGE

	10 kWm	50 kWm	100 kWm	1000 kWm	10,000 kWm
	6.4	High Speed (<100 kWm)		61	
				359	High Speed (>100 kWm) 2,275
				1,128	Medium Speed 3,604

UNIT: kWm

■ Diesel engines

TECHNICAL INFORMATION

Non Emission | High Speed < 100 kWm

	Output kWm / kVA				Hz	rpm
	Stand-by		Prime			
L3E	7.5	8.8	6.4	7.5	50	1,500
L2E	10	11.8	8.6	10.1	50	3,000
S3L2	11	12.9	9.9	11.6	50	1,500
L3E	15.8	18.6	13.7	16.1	50	3,000
S4L2	16	18.8	14.6	17.2	50	1,500
S4L2-T	18.4	21.6	x	x	50	1,500
S3L2	18.4	21.6	x	x	50	3,000
S4Q2	22.2	24.7	20.3	22.6	50	1,500
S4S	30.5	33.9	27.6	30.7	50	1,500
S4S-DT	40.5	45.0	36.8	40.9	50	1,500
S6S	46.5	50.7	44.3	45.8	50	1,500
S6S-DT	61	67.8	55.2	61.3	50	1,500

Emission EU Stage V | High Speed < 100 kWm

	Output kWm / kVA				Hz	rpm
	Stand-by		Prime			
L3E	7.5	8.8	6.4	7.5	50	1,500
L2E	10	11.8	8.6	10.1	50	3,000
S3L2	11	12.9	9.9	11.6	50	1,500
L3E	15.8	18.6	13.7	16.1	50	3,000
S4L2	16	18.8	14.6	17.2	50	1,500
S4L2-T	18.4	21.6	x	x	50	1,500

Non Emission | High Speed > 100 kWm

	Output kWm / kVA				Hz	rpm
	Stand-by		Prime			
S6B3-PTA	359	426	324	385	50	1,500
S6A3-PTA	430	511	390	463	50	1,500
S6R-PTA	555	659	500	594	50	1,500
S6R2-PTA	635	754	575	683	50	1,500
S12A2-PTA	724	860	657	780	50	1,500
S12A2-PTA2	818	971	742	881	50	1,500
S12H-PTA	980	1,164	890	1,057	50	1,500
S12R-PTA	1,220	1,449	1,110	1,318	50	1,500
S12R-PTA-D <small>Switchable</small>	x	x	1,110	1,318	50	1,500
S12R-PTA	1,220	1,449	1,110	1,318	50	1,500
S12R-PTA2	1,315	1,562	1,195	1,419	50	1,500
S12R-PTAA2	1,441	1,711	1,314	1,560	50	1,500
S16R-PTA	1,620	1,924	1,480	1,758	50	1,500
S16R-PTA2	1,790	2,126	1,630	1,936	50	1,500
S16R-PTAA2	1,939	2,303	1,728	2,052	50	1,500
S16R2-PTAW	2,167	2,573	1,960	2,328	50	1,500
S16R2-PTAW2-E	2,275	2,702	x	x	50	1,500
S6B3-PTA	400	475	360	428	60	1,800
S6A3-PTA	490	582	440	523	60	1,800
S6R2-PTA	520	618	470	558	60	1,200
S6R-PTA	635	754	575	683	60	1,800
S12A2-PTA	820	974	731	868	60	1,800
S12A2-PTA2	920	1,093	834	990	60	1,800
S12H-PTA	1,080	1,283	980	1,164	60	1,800
S12R-PTA-D <small>Switchable</small>	x	x	1,268	1,506	60	1,800
S12R-PTA	1,320	1,568	1,190	1,413	60	1,800
S12R-PTA2	1,470	1,746	1,340	1,591	60	1,800
S12R-PTAA2	1,633	1,939	1,484	1,762	60	1,800
S16R-PTA	1,750	2,078	1,590	1,888	60	1,800
S16R-PTA2	1,950	2,316	1,775	2,108	60	1,800
S16R-PTAA2	2,149	2,552	1,939	2,303	60	1,800

TECHNICAL INFORMATION

Emission EPA Tier II | High Speed > 100 kWm

	Output kWm / kVA				Hz	rpm
	Stand-by		Prime			
S6R-A2PTAW*	595	707	541	642	50	1,500
S6R2-A2PTAW2*	772	917	702	834	50	1,500
S12R-A2PTAW*	1,225	1,455	1,114	1,323	50	1,500
S12R-A2PTAW2*	1,462	1,736	1,329	1,578	50	1,500
S16R-A2PTAW*	1,710	2,031	1,555	1,847	50	1,500
S16R-A2PTAW2*	1,947	2,312	1,777	2,110	50	1,500
S16R2-A2PTAW*	2,167	2,573	1,960	2,328	50	1,500
S6R-Y2PTAW	685	813	623	740	60	1,800
S12A2-Y2PTAW	900	1,069	820	974	60	1,800
S12H-Y2PTAW	1,140	1,354	1,036	1,230	60	1,800
S12R-Y2PTAW	1,403	1,666	1,275	1,514	60	1,800
S16R-Y2PTAW	1,750	2,078	1,591	1,889	60	1,800
S16R-Y2PTAW2	2,180	2,589	1,982	2,354	60	1,800

* Self-certification

Emission <2,000Mg NOx | High Speed > 100 kWm

	Output kWm / kVA				Hz	rpm
	Stand-by		Prime			
S12R-F1PTAW2	1,462	1,736	1,329	1,578	50	1,500
S16R-F1PTAW2	1,947	2,312	1,777	2,110	50	1,500
S16R2-F1PTAW	2,167	2,573	1,960	2,328	50	1,500

Non Emission | Medium Speed

	Output kWm / kVA				Hz	rpm
	Stand-by		Prime			
S6U-PTA	1,259	1,495	1,214	1,442	50	1,000
S6U2-PTA	1,395	1,657	1,306	1,551	50	1,000
S8U-PTA	1,678	1,993	1,619	1,923	50	1,000
S12U-PTA	2,518	2,990	2,429	2,885	50	1,000
S16U-PTA	3,357	3,987	3,238	3,846	50	1,000
S6U-PTA	1,128	1,340	1,091	1,296	60	900
S6U-PTA	1,351	1,604	1,288	1,530	60	1,200
S6U2-PTA	1,256	1,492	1,194	1,418	60	900
S8U-PTA	1,503	1,785	1,455	1,728	60	900
S8U-PTA	1,802	2,140	1,717	2,039	60	1,200
S12U-PTA	2,255	2,678	2,182	2,591	60	900
S12U-PTA	2,703	3,210	2,576	3,059	60	1,200
S16U-PTA	3,007	3,571	2,910	3,456	60	900
S16U-PTA	3,604	4,280	3,434	4,078	60	1,200

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CALCULATIONS

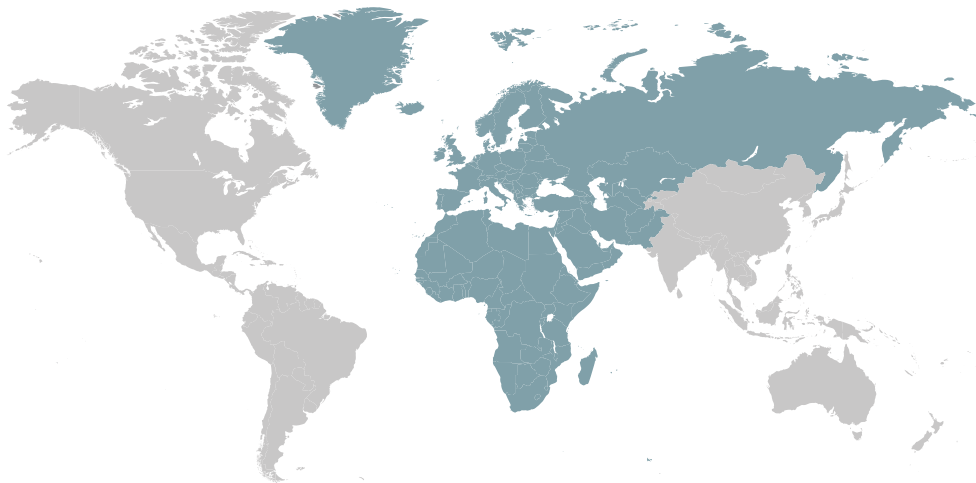
Engines <100 kWm | kVA rating based on 85% alternator efficiency for L, SL series and 90% alternator efficiency for SQ, SS series.
Engines >100 kWm | kVA ratings based on 95% alternator efficiency and power factor of 0.8. output is in kWm excluding fan-loss.

DISCLAIMER

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Your loyal, reliable partner since 1917

In 1917, Mitsubishi Heavy Industries (MHI) became the first Japanese company to develop and build a diesel engine, and since then has steadfastly pioneered technologies for the reciprocating engine. MHI offers a broad line-up, ranging from construction machinery and marine engines to engines for power generation. In recent years, the company has been involved in the general development of advanced gas turbines, rocket engines, and other types of internal combustion engines, even as it continues to look at the true significance and its decades-long quest to further refine the reciprocating engine.



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