

ENGINES FOR POWER GENERATION

- Dependable and durable in power generation
- Engines for standby, prime, continuous 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 standby 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.

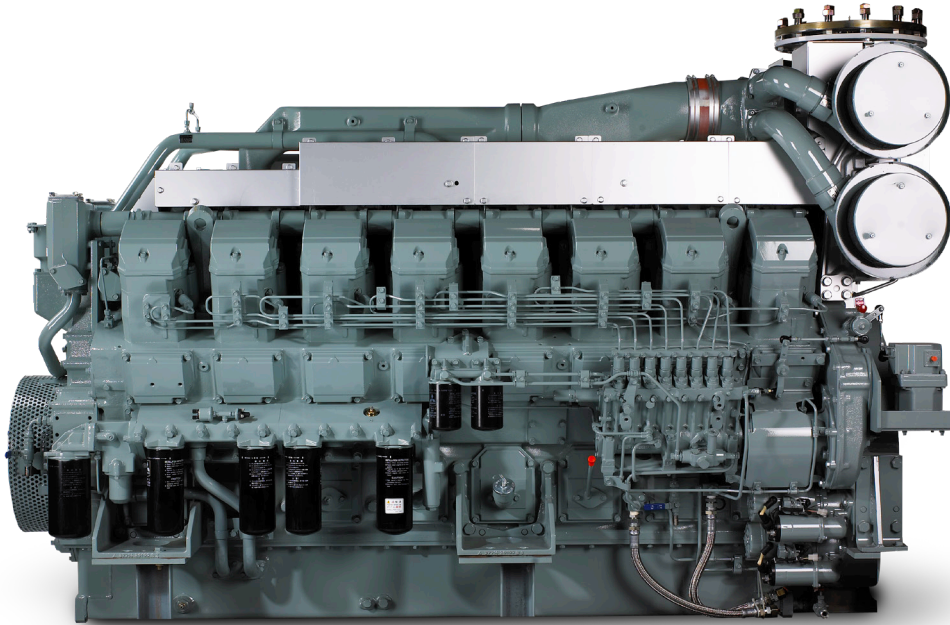
We understand that building the right solutions begins with building strong, respectful relationships. By listening to our customers and fully understanding their needs, we work as a team to create products that keep everyone's best interest in mind.

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 3604 kWm available upon request.



RANGE

Power Generation Engines				
10 kWm	50 kWm	100 kWm	1000 kWm	10,000 kWm
6.2	High Speed (<100 kWm)		67.8	
			359	High Speed (>100 kWm) 3037
			1214	Medium Speed 3604

UNIT: kWm

■ Diesel engines

TECHNICAL INFORMATION

Emission - Unregulated | High Speed < 100 kWm

	Output ¹				Engine Speed	Frequency
	Standby		Prime			
	kWm	kVA	kWm	kVA		
L3E-61SD-NP2	7.3	7.8	6.2	6.6	1485	50
S3L2-61SD-NP2	10.5	11.2	9.4	10.0	1485	50
S4L2-61SD-NP2	15.3	16.3	13.9	14.8	1485	50
S4L2-T61SD	17.7	18.8	-	-	1500	50
S4Q2-61SDB	21.5	22.8	19.6	20.8	1485	50
S4S-61SDB	29.8	31.7	26.9	28.6	1485	50
S4S-DT61SDB	39.8	44.8	36.1	40.6	1500	50
L2E-61SDH-NP2	9.5	10.1	8.1	8.6	2970	50
L3E-61SDH-NP2	14.6	15.5	12.5	13.3	2970	50
S3L2-61SDH-NP2	19.3	21.7	16.6	18.7	2970	50
S4L2-61SDH-NP2	25.1	28.2	21.6	24.3	2970	50

Emission - EU Stage V | High Speed < 100 kWm

	Output ¹				Engine Speed	Frequency
	Standby		Prime			
	kWm	kVA	kWm	kVA		
L3E-Z562SD	7.4	7.9	6.4	6.8	1485	50
S3L2-Z562SD	10.5	11.2	9.4	10.0	1485	50
S4L2-Z562SD	15.4	16.4	14	14.9	1485	50
S4L2-Z5T61SD	17.7	18.8	-	-	1500	50
L2E-Z562SDH	9.7	10.3	8.3	8.8	2970	50
L3E-Z562SDH	15.1	16.0	13	13.8	2970	50
S3L2-Z562SDH	16.8	17.9	14.1	15.0	2970	50

Emission - Unregulated | High Speed > 100 kWm

	Output ¹				Engine Speed	Frequency
	Standby		Prime			
	kWm	kVA	kWm	kVA		
S6B3-PTA	359	426	324	385	1500	50
S6A3-PTA	430	511	390	463	1500	50
S6A3-PTAA	463	550	420	499	1500	50
S6R-PTA	555	659	500	594	1500	50
S6R2-PTA	635	754	575	683	1500	50
S6R2-PTAA	710	843	645	766	1500	50
S12A2-PTA	723	859	656	799	1500	50
S12A2-PTA2	818	971	742	881	1500	50
S12H-PTA	980	1164	890	1057	1500	50
S12R-PTA	1190	1413	1080	1283	1500	50
S12R-PTA <small>Switchable</small>	-	-	1110	1318	1500	50
S12R-PTA2	1285	1526	1165	1383	1500	50
S12R-PTAA2	1441	1711	1314	1560	1500	50
S16R-PTA	1590	1888	1450	1722	1500	50
S16R-PTA2	1760	2090	1600	1900	1500	50
S16R-PTAA2	1939	2303	1728	2052	1500	50
S16R2-PTAW	2167	2573	1960	2328	1500	50
S16R2-PTAW-E	2275	2702	2068	2456	1500	50
S16R2-PTAW2-E	2430	2886	2209	2623	1500	50
S6B3-PTA	400	475	360	428	1800	60
S6A3-PTA	490	582	440	523	1800	60
S6A3-PTAA	496	589	440	523	1800	60
S6R2-PTA	520	618	470	558	1200	60
S6R-PTA	635	754	575	683	1800	60
S12A2-PTA	820	974	731	868	1800	60
S12A2-PTA2	920	1093	834	990	1800	60
S12H-PTA	1080	1283	980	1164	1800	60
S12R-PTA	1270	1508	1140	1354	1800	60
S12R-PTA <small>Switchable</small>	-	-	1010	1199	1800	60
S12R-PTA2	1420	1686	1290	1532	1800	60
S12R-PTAA2	1633	1939	1484	1762	1800	60
S16R-PTA	1700	2019	1540	1829	1800	60
S16R-PTA2	1900	2256	1725	2048	1800	60
S16R-PTAA2	2149	2552	1939	2303	1800	60

TECHNICAL INFORMATION

Emission - EPA Tier II | High Speed > 100 kWm

	Output ¹				Engine Speed	Frequency
	Standby		91% Load			
	kWm	kVA	kWm	kVA		
S6R-A2PTAW*	595	707	541	642	1500	50
S6R2-A2PTAW2*	772	917	702	834	1500	50
S12R-A2PTAW*	1225	1455	1114	1323	1500	50
S12R-A2PTAW2*	1463	1737	1330	1579	1500	50
S16R-A2PTAW*	1710	2031	1555	1847	1500	50
S16R-A2PTAW2*	1947	2312	1777	2110	1500	50
S16R2-A2PTAW*	2167	2573	1960	2328	1500	50
S6R-Y2PTAW-1*	685	813	623	740	1800	60
S12A2-Y2PTAW-2*	900	1069	820	974	1800	60
S12H-Y2PTAW-1*	1140	1354	1036	1230	1800	60
S12R-Y2PTAW-1*	1403	1666	1275	1514	1800	60
S16R-Y2PTAW-1*	1750	2078	1591	1889	1800	60
S16R-Y2PTAW2-1*	2180	2589	1982	2354	1800	60

* Self-certification

Emission - 2g NOx TA Luft | High Speed > 100 kWm

	Output ¹				Engine Speed	Frequency
	Standby		Prime			
	kWm	kVA	kWm	kVA		
S12R-F1PTAW2	1462	1736	1329	1578	1500	50
S16R-F1PTAW2	1947	2312	1777	2110	1500	50
S16R2-F1PTAW	2167	2573	1960	2328	1500	50

Emission - Unregulated | Medium Speed

	Output ¹				Engine Speed	Frequency
	Standby		Prime			
	kWm	kVA	kWm	kVA		
S6U-PTA	1259	1495	1214	1442	1000	50
S6U2-PTA	1395	1657	1306	1551	1000	50
S8U-PTA	1678	1993	1619	1923	1000	50
S12U-PTA	2518	2990	2429	2885	1000	50
S16U-PTA	3357	3986	3238	3845	1000	50
S6U-PTA	1128	1340	1091	1296	900	60
S6U-PTA	1351	1604	1288	1530	1200	60
S6U2-PTA	1256	1492	1194	1418	900	60
S8U-PTA	1503	1785	1455	1728	900	60
S8U-PTA	1802	2140	1717	2039	1200	60
S12U-PTA	2255	2678	2182	2591	900	60
S12U-PTA	2703	3210	2576	3059	1200	60
S16U-PTA	3007	3571	2910	3456	900	60
S16U-PTA	3604	4280	3434	4078	1200	60

COP available on request.

CALCULATIONS

¹ Declared power value for PTAA2, (F1/A2/Y2)PTAW(2) and SU-models, does not include fan or PTO losses. In all other cases, the power loss associated with standard MHI fan is included in the brake power declaration.

Engines <100 kWm | kVA rating based on a power factor of 0.8 and 85% alternator efficiency for power outputs below 35kWm and 90% alternator efficiency for power outputs above 35 kWm.

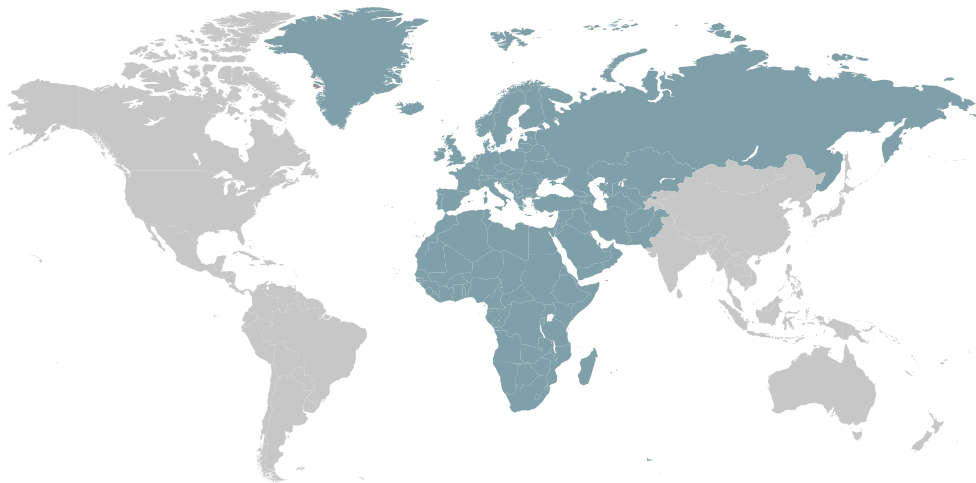
Engines >100 kWm | kVA ratings based on a power factor of 0.8 and 95% alternator efficiency.

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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