



A LEADING QUALITY POWER SOLUTIONS PROVIDER

SHANGHAI DIESEL ENGINE CO.,LTD

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Photo of Engines Are Only for Reference

A nighttime photograph of a dense urban skyline with numerous illuminated skyscrapers and buildings, serving as the background for the right half of the advertisement.

SDEC ENGINES FOR GEN-SET



VISION Become world-renowned and trusted as a powertrain system supplier with superior core competence.

MISSION Create value for customers with excellent quality;
Promote employee development through sterling moral character;
Drive social advancement by a centennial brand.

CORE VALUES Honesty and Accountability,
Openness and Inclusiveness,
Innovation and Enterprise.

ABOUT SDEC

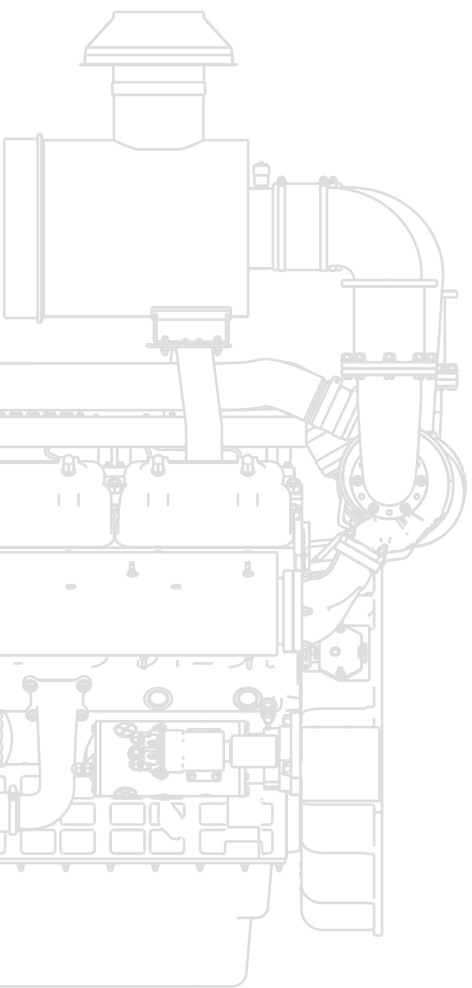
Shanghai Diesel Engine Co., Ltd. (SDEC), with SAIC Motor Corporation Limited as its main shareholder, is a large state-owned high tech enterprise engaged in research and development and manufacture of engines, engine parts and generator sets, possessing a state-level technical center, a postdoctoral working station, world-level automatic production lines and passage cars standards quality assurance system. Its former was Shanghai Diesel Engine Factory that was established in 1947 and was restructured into a stock-shared company in 1993 with shares of A and B.

In its nearly 70 years' development, SDEC' s products have been used all over the world. SDEC now has nine series of high-quality diesel and natural gas engines, i.e. M, R, H, D, C, E, G ,K and W series. These series engines with power outputs of 50 to 1,800 kW are mainly applied to trucks, buses, construction machinery, generator sets, marine application and agricultural equipment. SDEC is always devoting to constant improvement of product quality and striving to forge a quality-leading supplier of power solution of diesel and new energy in China.

SDEC HAS BEEN CERTIFICATED

ISO/TS16949:2002 Quality Management System
 ISO14001 Environment Management System
 OHSAS18001 Occupation Health and Safety Management System
 LL-C Certificate

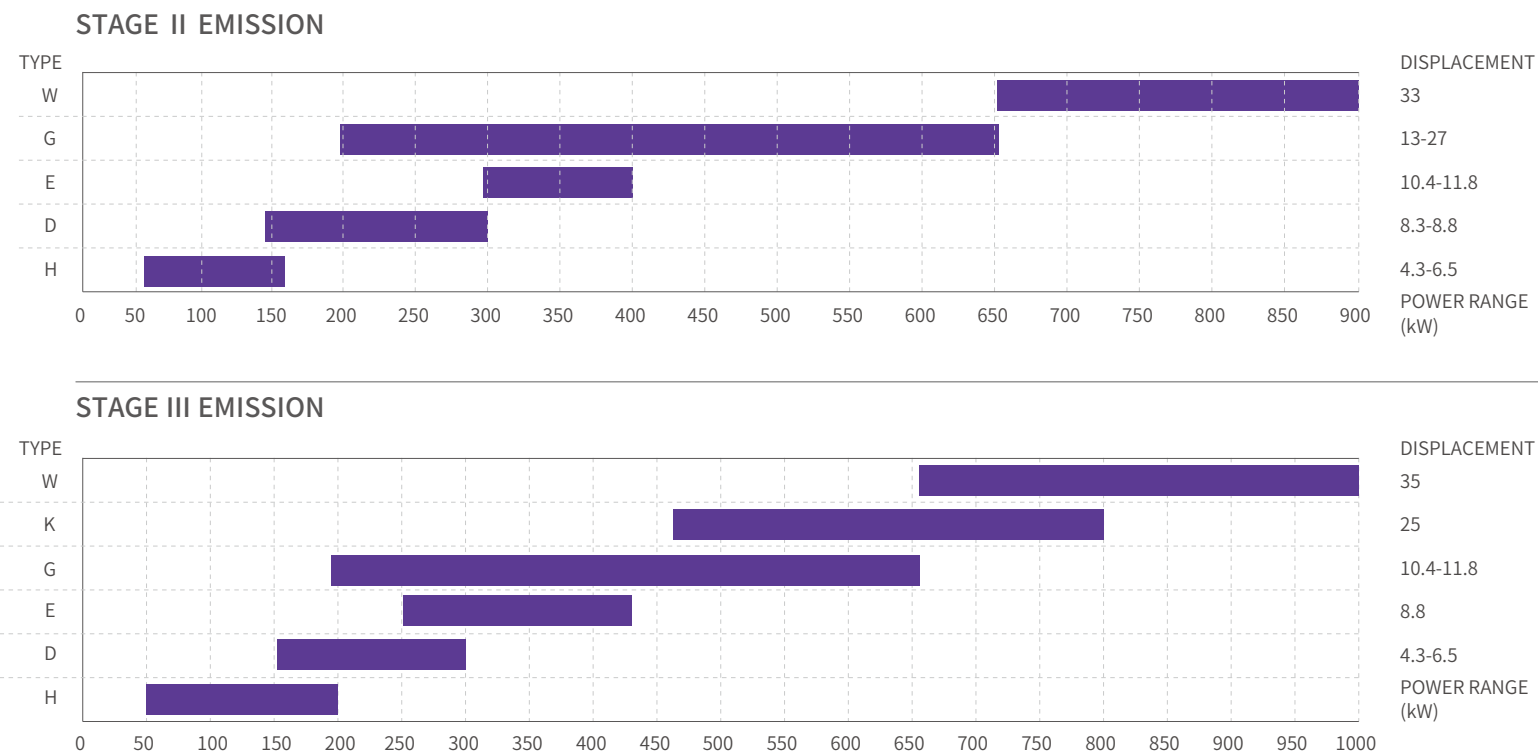




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POWER RANGES OF DIESEL ENGINE



TECHNICAL PARAMETERS

Engine Capacity 1500rpm(kW)			Engine Capacity 1800rpm(kW)		Emission III Com-rail Engine Model- G drive			Typical generator capacity (kVa)			
Items	12hPower PRP	1hPower ESP	12hPower PRP	1hPower ESP	Model	No.s cylinder	Flywheel &Teeth	PrimePower 50HZ	StandbyPower 50HZ	StandbyPower 50HZ	StandbyPower 60HZ
1	882	970	/	/	6WTA35-G31	6	SAE 2#11.5#	1000	1100	1100	/
2	818	900	/	/	6WTA35-G32	6		900	1000	1000	/
3	728	800	/	/	6KTA25-G31	6		800	900	900	/
4	685	754	/	/	6KTA25-G32	6		750	825	825	/
5	622	684	/	/	6KTA25-G33	6		700	770	770	/
6	572	629	/	/	6KTA25-G34	6		625	700	700	/
7	520	572	/	/	6KTA25-G35	6	SAE 0#18#	562.5	620	620	/
8	460	506	/	/	6KTA25-G36	6		500	550	550	/
13	401	441	/	/	6ETAA12.8-G31	6		450	500	500	/
14	363	400	/	/	6ETAA12.8-G32	6		400	440	440	/
15	/	/	401	441	6ETAA12.8-G31.1	6		/	/	/	500
16	/	/	363	400	6ETAA12.8-G32.1	6		/	/	/	440
11	340	380	340	380	6ETAA11.8-G31	6	SAE 0#18#	375	412.5	412.5	412.5
12	307	338	340	380	6ETAA11.8-G33	6		350	385	385	412.5
13	280	308	307	338	6ETAA11.8-G32	6		312.5	344	344	385
14	255	280	280	308	6DTAA8.9-G34	6		275	300	300	330
15	230	253	255	280	6DTAA8.9-G33	6		250	275	275	300
16	208	228	235	259	6DTAA8.9-G32	6		225	250	250	275
17	185	204	205	226	6DTAA8.9-G31	6	SAE 3#11.5#	200	220	220	250
18	186	205	205	226	6HTAA6.5-G34	6		187.5	206	206	225
19	168	185	180	198	6HTAA6.5-G33	6		169	186	186	200
20	155	170	170	187	6HTAA6.5-G35	6		150	165	165	182
21	140	155	150	165	6HTAA6.5-G32	6		125	138	138	150
22	128	141	136	150	6HTAA6.5-G31	6		125	138	138	150
23	125	140	125	140	4HTAA4.3-G36	4	SAE 1#14#	112.5	125	125	137.5
24	106	117	120	132	4HTAA4.3-G35	4		100	110	110	120
25	95	105	105	116	4HTAA4.3-G34	4		80	90	90	100
26	78	86	86	95	4HTAA4.3-G33	4		62.5	70	70	80
27	62	68	67	74	4HTAA4.3-G32	4		50	55	55	70
28	51	56	62	68	4HTAA4.3-G31	4					

TECHNICAL PARAMETERS

Engine Capacity 1500rpm(kW)			Emission II - Injection pump Engine Model- G drive				Typical generator capacity (kVa)			
Items	12hPower PRP	1hPower ESP	Model	No.s cylinder	Advance angle	Flywheel &Teeth	Prime Power	Standby Power		
1	782	860	SC33W1150D2	6	22°	SAE 0#18# 137 teeth	900	1000		
2	660	726	SC33W990D2	6			750	825		
3	602	662	SC27G900D2	12			680	750		
4	565	610	SC27G830D2	12	injection advance angle; 13.5°	12V cylinder SAE 0#18# 156 teeth	625	688		
5	505	555	SC27G755D2	12			568	625		
6	459	505	SC25G690D2	12			500	550		
7	405	446	SC25G610D2	12			438	480		
8	330	363	SC15G500D2	6			14°	SAE 14° 1#14#	375	413
9	307	338	6ETAA11.8-G21	6					350	385
10	280	308	6ETAA11.8-G22	6	300	330				
11	268	295	6ETAA10.4-G22	6	8°	125 teeth Injector Nut 185±5N.M	280	310		
12	255	280	6ETAA10.4-G21	6			275	300		
13	230	253	6DTAA8.9-G23	6			250	275		
14	220	242	6DTAA8.9-G22	6			235	260		
15	208	228	6DTAA8.9-G24	6			220	245		
16	185	204	6DTAA8.9-G21	6			200	220		
17	168	185	6HTAA6.5-G23	6	12°	SAE 2#11.5#	180	200		
18	140	155	6HTAA6.5-G22	6			150	168		
19	128	141	6HTAA6.5-G21	6			140	150		
20	120	132	4HTAA4.3-G22	4			10°	SAE 3#11.5# 127 teeth Injector Nut 200±10N.M	130	145
21	95	105	4HTAA4.3-G21	4					105	115
22	78	86	4HT4.3-G23	4					90	100
23	62	68	4HT4.3-G22	4	68	75				
24	51	56	4HT4.3-G21	4	13.5°	55	60			

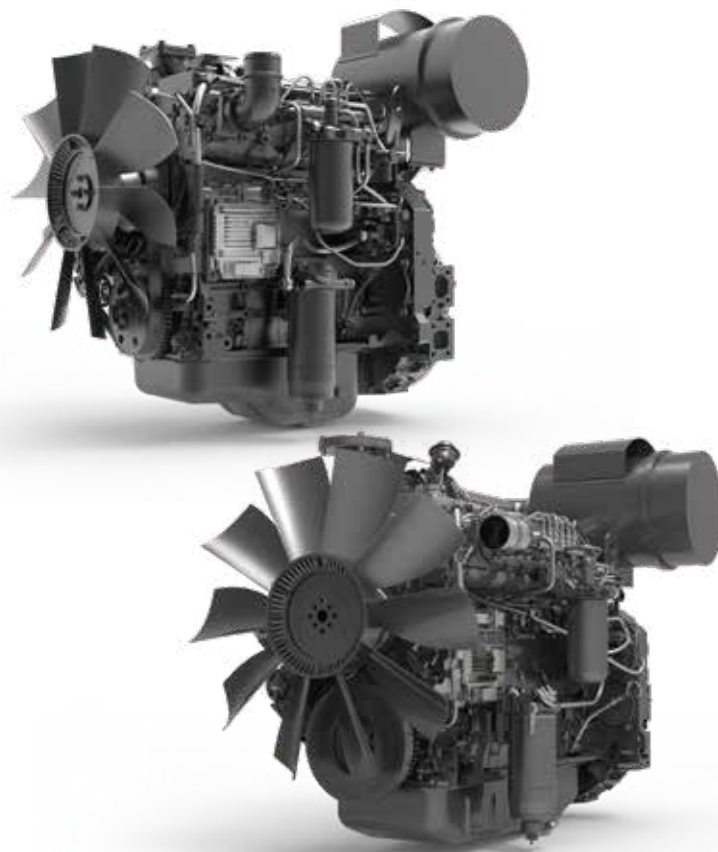
H SERIES

Power Output: 50~226kW

The H series diesel engine is jointly designed by SDEC and RICARDO (UK) based on the market demand in China and refer to the mature technologies of advanced engines in the world. The H series is the world-class power platform which in accordance with GDPD development process and the SAIC MOTOR manufacturing standards. Characterized by compact structure, wide power range, high reliability, good economy and low vibration noise.

Product Features

- Four valves per cylinder and optimized design of air intake swirl ratio and combustion chambers make the higher air intake efficiency;
- P7100 injection pump and vertically and centrally-mounted injectors, as well as the application of new fuel mixing and atomization technology make fuel consumption decrease by 8%-10 %. It is safe and reliable, the service life (B10) is over 15,000 working hours.
- Electronic governor with high-precision adjustment, effectively control the engine.
- Integral cylinder head, rear gear chamber, elastic connection and modular design result in small volume, light weight and industry-leading vibration and noise control.
- Its cold start temperature is as low as at -15°C without air intake auxiliary heater, which ensure strong environmental adaptability.



TECHNICAL PARAMETERS

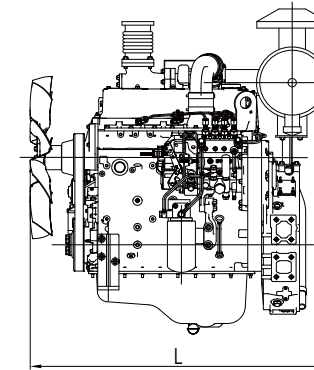
STAGE II EMISSION

		4HT4.3-G22	4HT4.3-G23	4HTAA4.3-G21	4HTAA4.3-G22	6HTAA6.5-G22	6HTAA6.5-G23
Type		In-Line Type, Water-Cooled, 4-Stroke, Direct Injection, Four Valves					
Aspiration		Turbo		Turbo & Intercooler			
Number of Cylinders×Bore×Stroke	mm	4×105×124				6×105×124	
Cylinder Liner Type		Dry Liner					
Compression Ratio		17.3:1		16:1			
Total Displacement	L	4.3				6.5	
Speed Governing Rate	%	≤5					
Rated Power	kW	62	78	95	120	140	168
Rated Speed	rpm	1500/1800	1500/1800	1500/1800	1500/1800	1500/1800	1500/1800
Standby Power	kW	68	86	105	132	155	185
Min Fuel Consumption	g/kW·h	195					
Exhaust Smoke	FSN	1.0					
Oil Capacity	L	11~13				15~17.5	
Cooling System Capacity	L	6.8				9.6	
Oil Consumption	g/kW·h	≤0.3					
Emission Standards		STAGE II					
Noise	DB(A)	96					
Net Weight	KG	430		460		600	
Dimensions (L×W×H)	mm	1012×723×1102		1053×728×1158		1353×789×1178	
Flywheel and Flywheel Housing		SAE3# & 11.5#					

DIMENSIONS

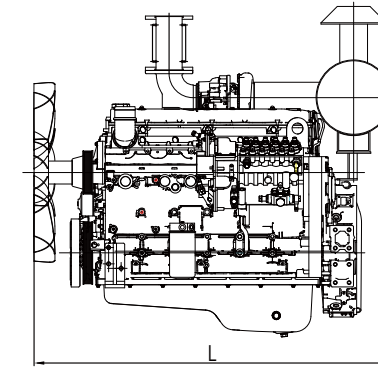
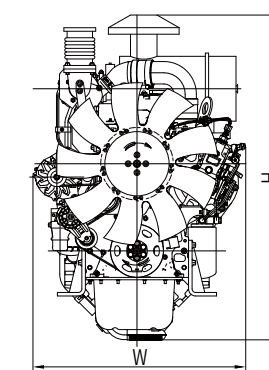
STAGE III EMISSION

		4HTAA 4.3-G31	4HTAA 4.3-G32	4HTAA 4.3-G33	4HTAA 4.3-G34	4HTAA 4.3-G35	4HTAA 4.3-G36	6HTAA 6.5-G31	6HTAA 6.5-G32	6HTAA 6.5-G33	6HTAA 6.5-G34	6HTAA 6.5-G35	
Type		In-Line Type, Water-Cooled, 4-Stroke, Direct Injection, Four Valves											
Aspiration		Turbo & Interc											
Number of Cylinders×Bore×Stroke	mm	4×105×124						6×105×124					
Cylinder Liner Type		Dry Liner											
Compression Ratio		16:1											
Total Displacement	L	4.3						6.5					
Speed Governing Rate	%	ECU											
Rated Power	kW	51/62	62/67	78/86	95/105	106/120	125/125	128/136	140/150	168/180	186/205	155/170	
Rated Speed	rpm	1500/1800	1500/1800	1500/1800	1500/1800	1500/1800	1500/1800	1500/1800	1500/1800	1500/1800	1500/1800	1500/1800	
Standby Power	kW	56/68	68/74	86/95	105/116	117/132	140/140	141/150	155/165	185/198	205/226	170/187	
Min Fuel Consumption	g/kW·h	192											
Exhaust Smoke	FSN	1.0											
Oil Capacity	L	11~13						15~17.5					
Cooling system capacity	L	6.8						9.6					
Oil Consumption	g/kW·h	≤0.3											
Emission Standards		STAGEIII											
Noise	DB(A)	96											
Net Weight	KG	460						600					
Dimensions (Length×Width×Height)	mm	1037×728×1024						1330×789×1033					
Flywheel and Flywheel House		SAE3# & 11.5#											



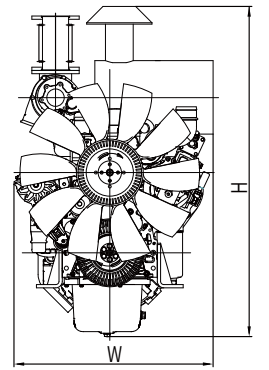
SC4H

国II L: 1053mm W: 728mm H: 1158mm
 国III L: 1037mm W: 728mm H: 1024mm



SC7H

国II L: 1353mm W: 789mm H: 1178mm
 国III L: 1330mm W: 789mm H: 1033mm



D SERIES

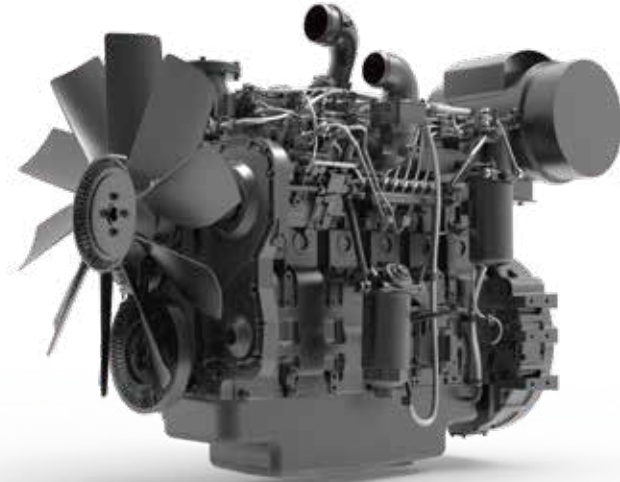
Power Output: 146~308kW

The D series diesel engine is jointly designed by SDEC and AVL (Austria). In 2005, SDEC cooperated with Southwest Research Institute (SwRI), U.S. to carry out a reinforcing design and 4-valve upgrading.

The D series engine is characterized by high reliability and good fuel economy. The D series is a lately-designed engine with advanced technical criteria among the domestic mature engines. The engine has sold well for almost 20 years with over one million of units in the markets.

Product Features

- Four valves per cylinder, high-strength cylinder block, integral cylinder-head design and key components adopted world-class brands keep high reliability and good economy.
- Adopting the SAIC MOTOR manufacturing standards and the Volkswagen's engine quality control system, ensure the engine good quality and consistency.
- Integral design of the components and parts, decreasing 20% total amount of basic parts compared to other engine, the simple structure makes maintenance easy.
- The engine cold start temperature is -15°C without air intake auxiliary heater, while with the auxiliary heater, its cold start temperature can reach to -30°C, ensure strong environmental adaptability.



TECHNICAL PARAMETERS

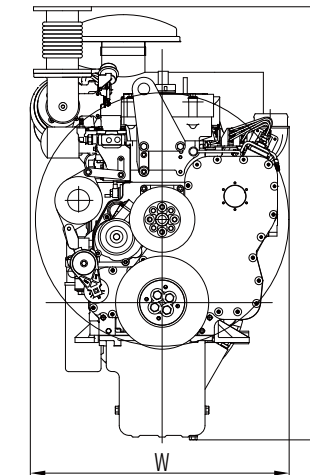
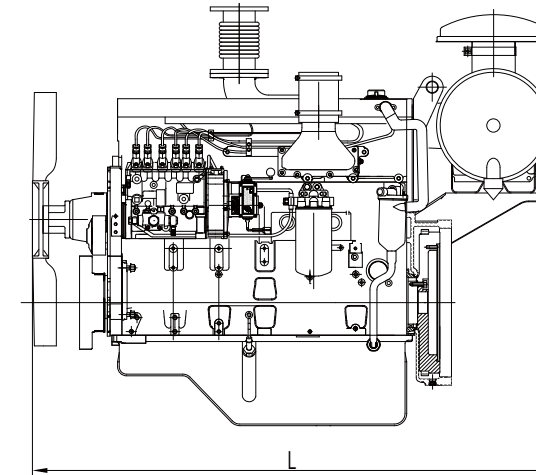
STAGE II EMISSION

		6DTAA8.9-G21	6DTAA8.9-G24	6DTAA8.9-G22	6DTAA8.9-G23
Type		In-Line Type, Water-Cooled, 4-Stroke, Direct Injection			
Aspiration		Turbo & Intercooler			
Number of Cylinders×Bore×Stroke		6×114×144			
Cylinder Liner Type	mm	Wet Liner			
Compression Ratio		18:1	18:1	16.5:1	16.5:1
Total Displacement		8.9			
Speed Governing Rate	L	≤5			
Rated Power	%	185	208	220	230
Rated Speed	kW	1500/1800	1500/1800	1500/1800	1500/1800
Standby Power	rpm	204	228	242	253
Min Fuel Consumption	kW	198			
Exhaust Smoke	g/kW·h	1.0			
Oil Capacity	FSN	22-25			
Cooling System Capacity	L	12			
Oil Consumption	L	≤0.3			
Emission Standards	g/kW·h	STAGE II			
Noise		105			
Net Weight	DB(A)	900 KG			
Dimensions (L×W×H)	KG	1529X762X1309			
Flywheel and Flywheel Housing	mm	SAE2# & 11.5#			

DIMENSIONS

STAGE III EMISSION

		6DTAA8.9-G31	6DTAA8.9-G32	6DTAA8.9-G33	6DTAA8.9-G34
Type		In-Line Type, Water-Cooled, 4-Stroke, Direct Injection, Two Valves		In-Line Type, Water-Cooled, 4-Stroke, Direct Injection, Four Valves	
Aspiration		Turbo & Intercooler			
Number of Cylinders×Bore×Stroke	mm	6×114×144			
Cylinder Liner Type		Wet Liner			
Compression Ratio		18:1		16.5:1	
Total Displacement	L	8.9			
Speed Governing Rate	%	ECU			
Rated Power	kW	185/205	208/235	230/255	255/280
Rated Speed	rpm	1500/1800	1500/1800	1500/1800	1500/1800
Standby Power	kW	204/226	228/259	253/282	280/308
Min Fuel Consumption	g/kW·h	192			
Exhaust Smoke	FSN	15-19		1.0	22-25
Oil Capacity	L				
Cooling system capacity	L	12			
Oil Consumption	g/kW·h	≤0.3			
Emission Standards		STAGE III			
Noise	DB(A)	105			
Net Weight	KG	740		900	
Dimensions (Length×Width×Height)	mm	1408×762×1186		1493×762×1260	
Flywheel and Flywheel House		SAE2# & 11.5#			



国II SC8D
L: 1472mm
W: 762mm
H: 1240mm

国II SC9D
L: 1529mm
W: 762mm
H: 1309mm

国III SC9D
L: 1493mm
W: 762mm
H: 1260mm



E SERIES

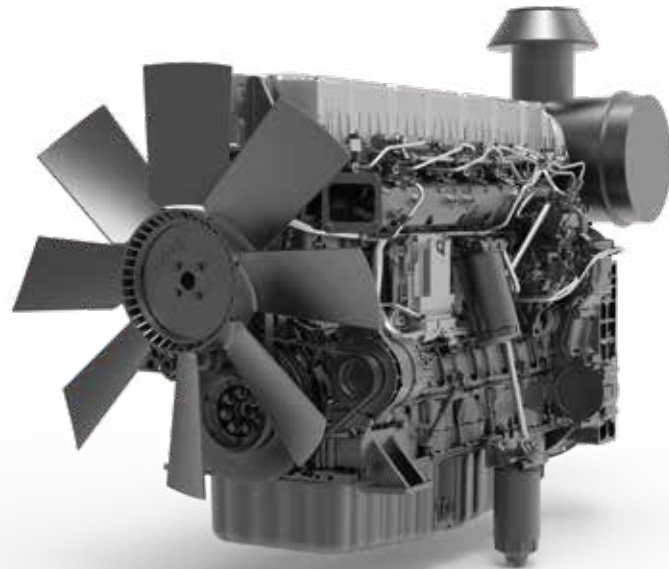
Power Output: 255~420kW

The E series diesel engine is jointly designed by SDEC and AVL (Austria). It is a brand new engine platform, referring to the current internationally advanced engine application technology and according to the SAIC MOTOR manufacturing standards with world-class equipment. There are two fuel systems, electronically-controlled high-pressure common rail or mechanical fuel injection pump with electronic governor is optional.

The E series is safe, reliable and powerful. Its economy is superior to that of the similar products with the same power.

Product Features

- Four valves per cylinder, overhead camshaft, high-strength cylinder block, rear gear chamber, maximum allowable explosion pressure reach 190 bar.
- MAG automatic production lines of and MES control system, same as Volkswagen's engine manufacturing quality control system, ensure product good quality and consistency.
- Service life (B10) of engine exceeds 15,000 working hours. The engine reliability and durability bench test has accumulated over 20,000 hours, over 10,000 hours user test verification, demonstrating high reliability.
- Single overhead camshaft combined with roller rocker arm doubles the interval for valve clearance adjustment, compact cylinder clearance design, fractured connecting-rod, multiple oil filtration makes maintenance easily.
- The engine can operate properly at an ambient temperature of 50°C. Its cold start temperature is as low as at -15°C without air intake auxiliary heater.



TECHNICAL PARAMETERS

STAGE II EMISSION

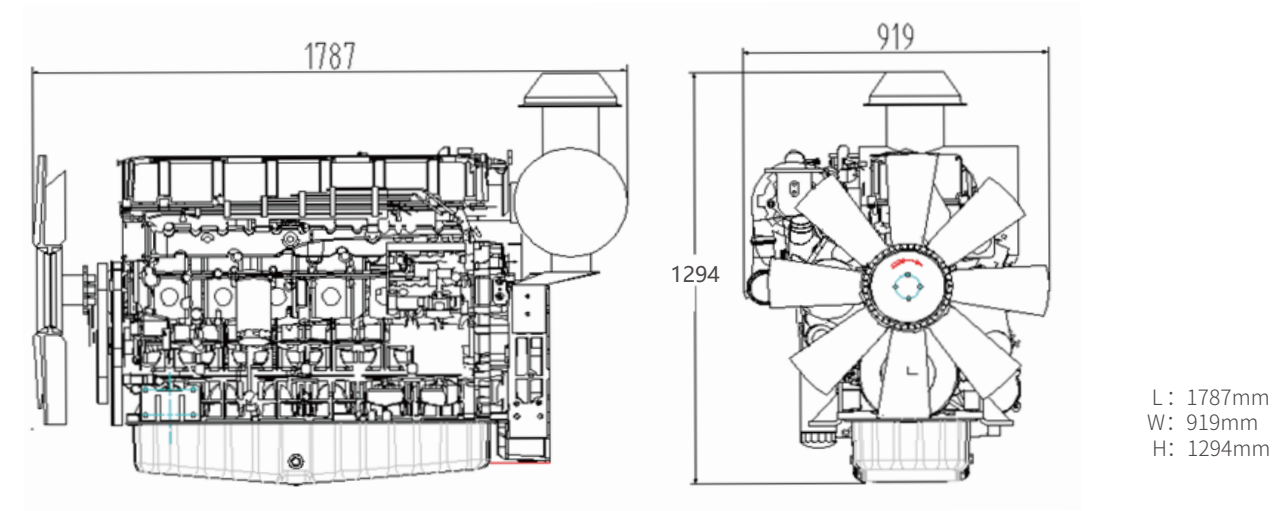
		6ETAA10.4-G21	6ETAA10.4-G22	6ETAA11.8-G22	6ETAA11.8-G21
Type		In-Line Type, Water-Cooled, 4-Stroke, Direct Injection, Four Valves			
Aspiration		Turbo & Intercooler			
Number of Cylinders×Bore×Stroke	mm	6×128×135		6×128×153	
Cylinder Liner Type		Wet Liner			
Compression Ratio		17:1			
Total Displacement	L	10.4		11.8	
Speed Governing Rate	%	≤5			
Rated Power	kW	255	268	280	307
Rated Speed	rpm	1500/1800	1500/1800	1500/1800	1500/1800
Standby Power	kW	280	295	308	338
Min Fuel Consumption	g/kW·h	192			
Exhaust Smoke	FSN	1.0			
Oil Capacity	L	33-41			
Cooling System Capacity	L	23.2			
Oil Consumption	g/kW·h	≤0.3			
Emission Standards		STAGE II			
Noise	DB(A)	105			
Net Weight	KG	980		1164	
Dimensions (L×W×H)	mm	1787×918×1294		1787×919×1287	
Flywheel and Flywheel Housing		SAE1# & 14#			

TECHNICAL PARAMETERS

STAGE III EMISSION

		6ETAA11.8-G32	6ETAA11.8-G33	6ETAA11.8-G31	6ETAA12.8-G31
Type		In-Line Type, Water-Cooled, 4-Stroke, Direct Injection, Four Valves			
Aspiration		Turbo & Intercooler			
Number of Cylinders×Bore×Stroke	mm	6×128×153			6×130×161
Cylinder Liner Type		Wet Liner			
Compression Ratio		17:1			
Total Displacement	L	11.8			12.8
Speed Governing Rate	%	ECU			
Rated Power	kW	280/307	307/340	340/340	389/389
Rated Speed	rpm	1500/1800	1500/1800	1500/1800	1500/1800
Standby Power	kW	308/338	338/380	380/380	435/435
Min Fuel Consumption	g/kW·h	190			
Exhaust Smoke	FSN	1.0			
Oil Capacity	L	33~41			
Cooling system capacity	L	23.2			
Oil Consumption	g/kW·h	≤0.3			
Emission Standards		STAGE III			
Noise	DB(A)	105			
Net Weight	KG	1164			
Dimensions (Length×Width×Height)	mm	1787×918×1294			
Flywheel and Flywheel House		SAE1# & 14#			

DIMENSIONS



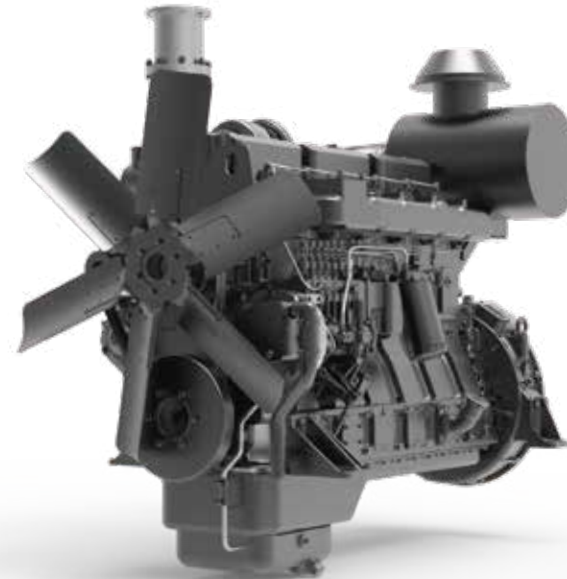
G SERIES

Power Output: 187~404kW

The SC13G/15G series engine is designed and improved by the SDEC on the basis of the G128 diesel engine special for power generator. The engine make significant upgrade in quality, reliability, economy, vibration, noise and appearance, especially, the SC15G' s stroke has been lengthened to 165mm. Most parts of the SC13G/15G series engine are interchangeable with those of the original model. The SC13G/15G series is a preferred power for common-used power generator.

Product Features

- Adopting non-quenched steel integral crankshaft, improved all sealing gaskets, replace the drive shaft structure with direct gear connection in fuel injection pump, which improve engine reliability.
- Increase water pump flow and optimized pipeline design reduce cooling system resistance.
- Increase oil pump flow and oil pressure, improve internal parts lubrication.
- Added oil separator and redesigned thermostat, which adapt to applications in the regions with different ambient temperatures.
- Redesigned fuel pipeline, improved other outside pipelines, air filter arrangement, and guard design, as well as reasonable layout make the engine appearance more in sense of industrial visual.
- Fractured connecting-rod make it service and maintenance easy



TECHNICAL PARAMETERS

STAGE II EMISSION

		SC13G 280D2	SC13G 310D2	SC13G 355D2	SC13G 420D2	SC15G 500D2
Type		In-Line Type, Water-Cooled, 4-Stroke, Direct Injection, Two Valves				
Aspiration		Turbo		Turbo & Intercooler		
Number of Cylinders×Bore×Stroke	mm	6×135×150				6×135×165
Cylinder Liner Type		Wet Liner				
Compression Ratio		15.75: 1				15.55: 1
Total Displacement	L	12.88				14.2
Speed Governing Rate	%	≤5				
Rated Power	kW	187	206	236	280	330
Rated Speed	rpm	1500	1500	1500	1500	1500
Standby Power	kW	206	227	260	308	373
Min Fuel Consumption	g/kW·h	210		205		
Exhaust Smoke	FSN	1.0				
Oil Capacity	L	33-41				
Cooling System Capacity	L	25.5				
Oil Consumption	g/kW·h	≤0.4				
Emission Standards		STAGE II				
Noise	DB(A)	110				
Net Weight	KG	1290		1296		
Dimensions (L×W×H)	mm	1704×910×1540		1704×1063×1540		
Flywheel and Flywheel Housing		SAE1# & 14#				

TECHNICAL PARAMETERS

STAGE III EMISSION

		SC13G 280D3	SC13G 310D3	SC13G 355D3	SC13G 420D3	SC15G 500D3	6GTAA14.2 -G31
Type		In-Line Type, Water-Cooled, 4-Stroke, Direct Injection, Two Valves					
Aspiration		Turbo			Turbo & Intercooler		
Number of Cylinders×Bore×Stroke	mm	6×135×150			6×135×165		
Cylinder Liner Type		Wet Liner					
Compression Ratio		15.75:1			15.55:1	16:1	
Total Displacement	L	12.88			14.2		
Speed Governing Rate	%	ECU					
Rated Power	kW	187	206	236	280	330	367
Rated Speed	rpm	1500	1500	1500	1500	1500	1500
Standby Power	kW	206	227	260	308	373	404
Min Fuel Consumption	g/kW·h	210		205		200	
Exhaust Smoke	FSN	1.0					
Oil Capacity	L	33~41				36~45	
Cooling system capacity	L	25.5					
Oil Consumption	g/kW·h	≤0.4					
Emission Standards		STAGEIII					
Noise	DB(A)	110					
Net Weight	KG	1290		1296		1285	
Dimensions (Length×Width×Height)	mm	1704×910×1540		1704×1063×1540			
Flywheel and Flywheel House		SAE1# & 14#					



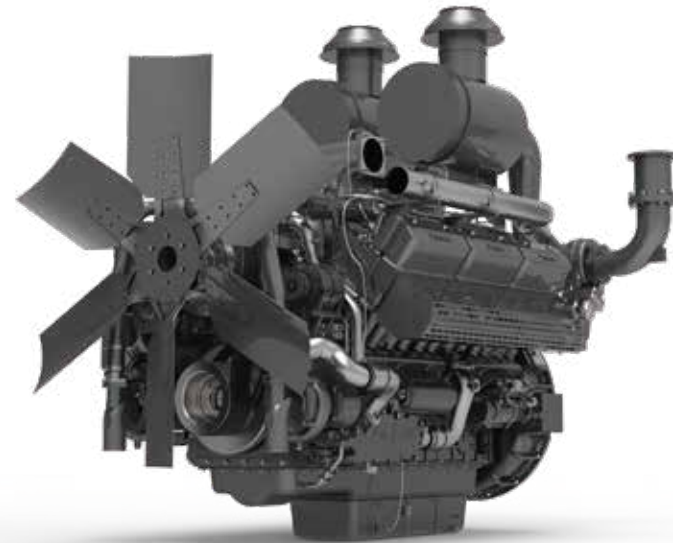
G SERIES

Power Output: 405~662kW

The SC25/27G series engine is designed and improved by SDEC on the basis of the 12V135 diesel engine special for power generator. It make significant upgrade in quality, reliability, economy, vibration, noise and appearance, especially, the SC27G' s stroke has been lengthened to 155 mm. Most parts of the SC25/27G series engine are interchangeable with those of the original model. The SC25/27G series is the preferred power for common-used power generator.

Product Features

- Improved all sealing gaskets makes it more reliable.
- Symmetrical-design of dual water pumps and dual oil pumps improves cooling and lubrication capacities, reduces water tank volume, and adapts to applications in the regions with different ambient temperatures.
- Two-section exhaust pipe and optimized leak-proof structure reduce probability of leakage. The air intake manifold is changed into casting structure.
- Redesigned fuel pipeline, improved other outside pipelines, air filter arrangement, and guard design, as well as reasonable layout make the engine appearance more in sense of industrial visual.
- Fractured connecting-rod make it service and maintenance easy.



TECHNICAL PARAMETERS

STAGE II EMISSION

		SC25G 610D2	SC25G 690D2	SC27G 755D2	SC27G 830D2	SC27G 900D2
Type		V Type, Water-Cooled, 4-Stroke, Direct Injection, Two Valves				
Aspiration		Turbo & Intercooler				
Number of Cylinders×Bore×Stroke	mm	12×135×150			12×135×155	
Cylinder Liner Type		Wet Liner				
Compression Ratio		16:1				
Total Displacement	L	25.8			26.6	
Speed Governing Rate	%	≤5				
Rated Power	kW	405	459	505	561	602
Rated Speed	rpm	1500	1500	1500	1500	1500
Standby Power	kW	445.5	505	560	610	662
Min Fuel Consumption	g/kW·h	205				
Exhaust Smoke	FSN	1.0				
Oil Capacity	L	55~65				
Cooling System Capacity	L	48				
Oil Consumption	g/kW·h	≤0.4				
Emission Standards		STAGE II				
Noise	DB(A)	115				
Net Weight	KG	2080				
Dimensions (L×W×H)	mm	1930×1686×1872				
Flywheel and Flywheel Housing		SAE1/2# & 14#		SAEO# & 18#		

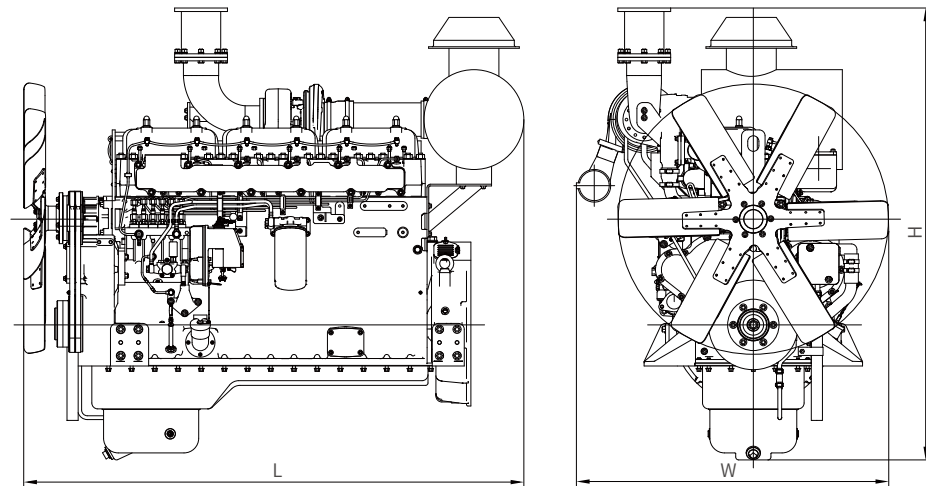
TECHNICAL PARAMETERS

STAGE III EMISSION

		SC25G 610D3	SC25G 690D3	SC27G 755D3	SC27G 830D3	SC27G 900D3
Type		V Type, Water-Cooled, 4-Stroke, Direct Injection, Two Valves				
Aspiration		Turbo & Intercooler				
Number of Cylinders×Bore×Stroke	mm	12×135×150			12×135×155	
Cylinder Liner Type		Wet Liner				
Compression Ratio		16:1				
Total Displacement	L	25.8			26.6	
Speed Governing Rate	%	ECU				
Rated Power	kW	405	459	505	561	602
Rated Speed	rpm	1500	1500	1500	1500	1500
Standby Power	kW	445.5	505	560	610	662
Min Fuel Consumption	g/kW·h	205				
Exhaust Smoke	FSN	1.0				
Oil Capacity	L	55-65				
Cooling System Capacity	L	48				
Oil Consumption	g/kW·h	≤0.4				
Emission Standards		STAGEIII				
Noise	DB(A)	115				
Net Weight	KG	2080				
Dimensions (L×W×H)	mm	1930×1686×1872				
Flywheel and Flywheel Housing		SAE1/2# & 14#		SAE0# & 18#		



DIMENSIONS

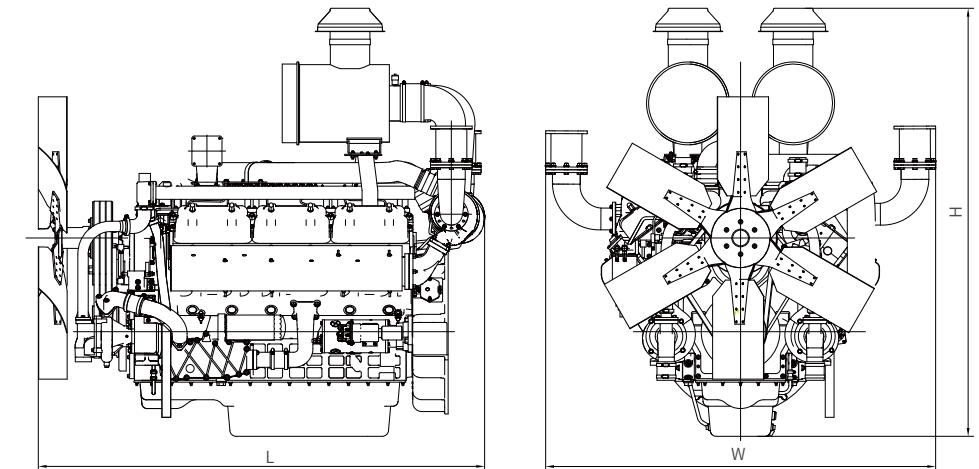


SC13G
L : 1704mm
W : 1063mm
H : 1540mm

SC15G
L : 1704mm
W : 1063mm
H : 1540mm



DIMENSIONS



SC25G/SC27G
L : 1930mm
W : 1686mm
H : 1872mm



K SERIES

Power Output: 460~800kW

In order to meet market requirement of high power, emissions upgrade, SDEC newly developed K series engine, which refer to world famous brand, K series is strict accordance with GDPD of SAIC Process. It is a new generation of power station products, the technical data have reached domestic advanced level.

Product Features

- Gantry type body, rear gear chamber structure, good rigidity, low vibration and noise.
- Four valve structure, one cylinder and one head, more convenient for use and maintenance.
- Integral forging high strength crankshaft, tooth-shape high strength connecting rod, make it with higher strength and good reliability.
- Dual turbocharger air intake system, more efficient in air intake, compact structure, good appearance.
- With unique dual electronic control system, the higher power range equip with electronic control high pressure common rail injection, can achieve multiple injection, Effectively reduce noise and vibration, lower power range equip electronic control unit pump technology, fulfill the need of high power and lower cost.

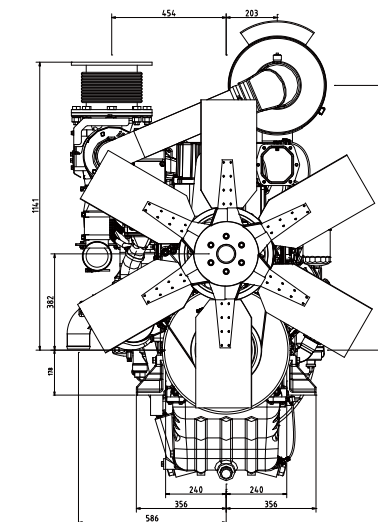
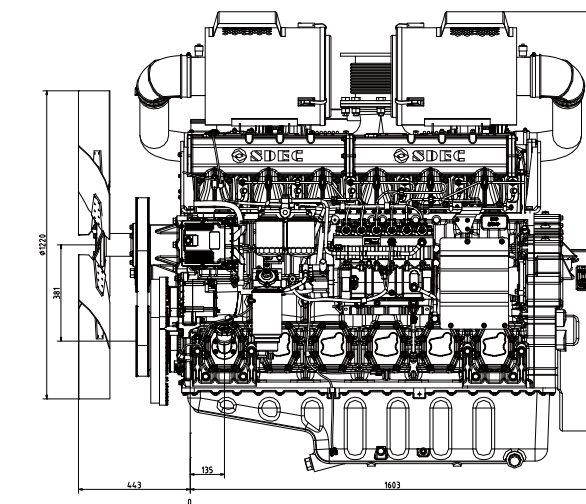


TECHNICAL PARAMETERS

STAGE III EMISSION

		6KTAA25-G31	6KTAA25-G32	6KTAA25-G33/G38	6KTAA25-G34/G39	6KTAA25-G35/G310	6KTAA25-G36/G311
Type		In-Line Type, Water-Cooled, 4-Stroke, Direct Injection, Four Valves					
Aspiration		Turbo & Intercooler					
Number of Cylinders×Bore×Stroke	mm	6×170×185					
Cylinder Liner Type		Wet Liner					
Compression Ratio		15~17					
Total Displacement	L	25.18					
Speed Governing Rate	%	ECU(共轨或单体泵)					
Rated Power	kW	728	685	622	572	520	460
Rated Speed	rpm	1500/1800					
Standby Power	kW	800	754	684	629	572	506
Min Fuel Consumption	g/kW·h	192					
Exhaust Smoke	FSN	0.5					
Oil Capacity	L	45~70					
Cooling system capacity	L	55					
Oil Consumption	g/kW·h	≤0.3					
Emission Standards		STAGE III					
Noise	DB(A)	112					
Net Weight	KG	2700		2700/2766			
Dimensions (Length×Width×Height)	mm	2055×1241×1936					
Flywheel and Flywheel House		SAE0# & 18#					

DIMENSIONS



6KTAA
L : 2046mm
W : 1219mm
H : 1822mm



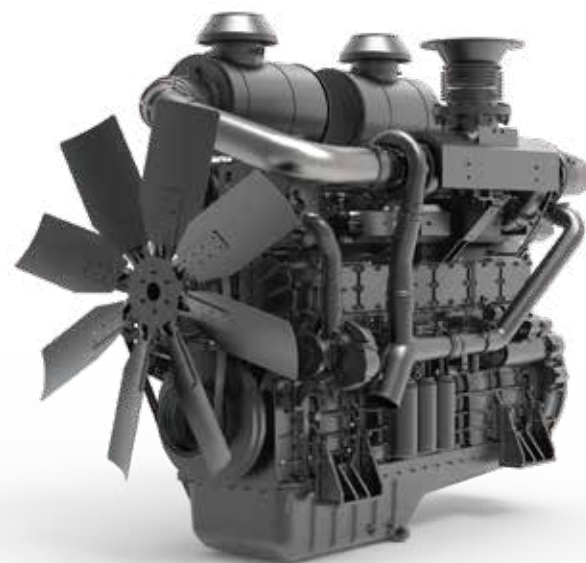
W SERIES

Power Output: 660~970kW

The W series engine is newly designed and elaborately made by the SDEC for the demand of the power generator market for high power, the technical data have reached world-wide advanced level. The W series engine is characterized by compact structure, high reliability, good economy, low noise and attractive appearance. It is a preferred power for power generator.

Product Features

- Four valves per cylinder, electronic governor and P11 high pressure fuel injection pump help to improve the combustion and emissions effectively, smooth operation and good economy.
- Gantry-type cylinder block, rear gear chamber and rationally-arranged reinforcing ribs ensure good rigidity, compact structure, low vibration and noise.
- Split-type camshaft make sure precise timing control of valves and fuel injection, and optimized cam profiles reduce the shock and improve reliability and durability.
- Electric pre-oil-supply pump makes engine automatic oil supply before starting.



TECHNICAL PARAMETERS

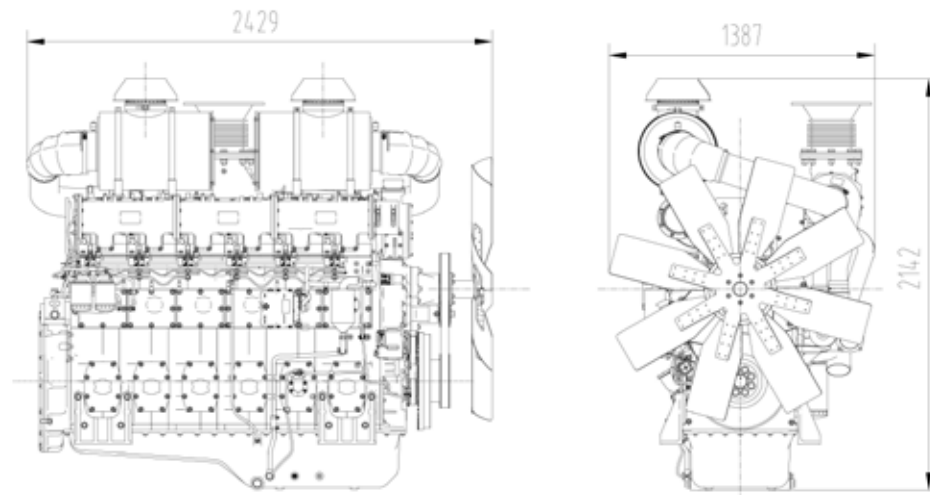
STAGE II EMISSION

		SC33W990D2	SC33W1150D2
Type		In-Line Type, Water-Cooled, 4-Stroke, Direct Injection, Four Valves	
Aspiration		Turbo & Intercooler	
Number of Cylinders×Bore×Stroke	mm	6×180×215	
Cylinder Liner Type		Wet Liner	
Compression Ratio		15:1	
Total Displacement	L	32.8	
Speed Governing Rate	%	≤5	
Rated Power	kW	660	782
Rated Speed	rpm	1500	1500
Standby Power	kW	726	860
Min Fuel Consumption	g/kW·h	205	
Exhaust Smoke	FSN	1.0	
Oil Capacity	L	75-100	
Cooling System Capacity	L	56	
Oil Consumption	g/kW·h	≤0.8	
Emission Standards		STAGE II	
Noise	DB(A)	118	
Net Weight	KG	3700	
Dimensions (L×W×H)	mm	2307×1371×1983	
Flywheel and Flywheel Housing		SAE0# & 18#	

STAGE III EMISSION

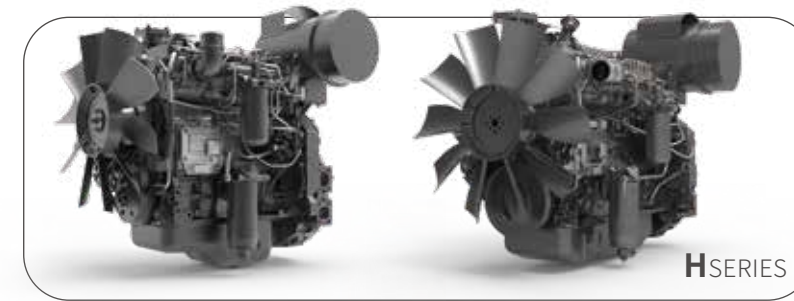
		6WTA35-G31	6WTA35-G32
Type		In-Line Type, Water-Cooled, 4-Stroke, Direct Injection, Four Valves	
Aspiration		Turbo & Intercooler	
Number of Cylinders×Bore×Stroke	mm	6×186×215	
Cylinder Liner Type		Wet Liner	
Compression Ratio		16:1	
Total Displacement	L	35.1	
Speed Governing Rate	%	ECU	
Rated Power	kW	882	818
Rated Speed	rpm	1500	
Standby Power	kW	970	900
Min Fuel Consumption	g/kW·h	200	
Exhaust Smoke	FSN	1.0	
Oil Capacity	L	75-100	
Cooling system capacity	L	78	
Oil Consumption	g/kW·h	≤0.8	
Emission Standards		STAGEIII	
Noise	DB(A)	118	
Net Weight	KG	4000	
Dimensions (Length×Width×Height)	mm	2429×1387×2142	
Flywheel and Flywheel House		SAE0# & 18#	

DIMENSIONS

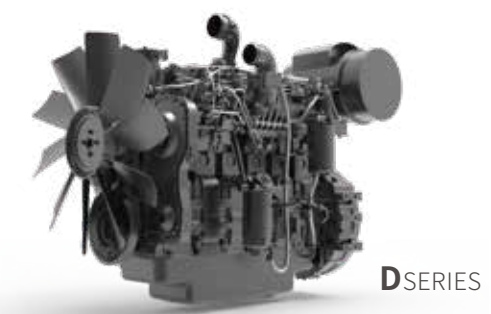


33W STAGE II
 L : 2307mm
 W : 1371mm
 H : 1983mm

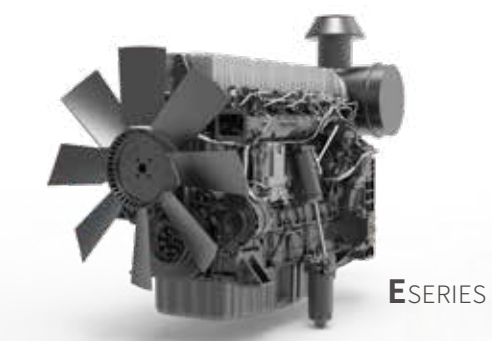
35W STAGE III
 L : 2429mm
 W : 1387mm
 H : 2142mm



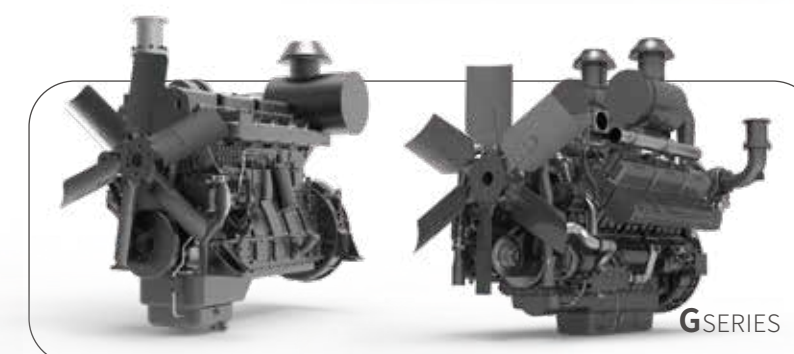
HSERIES



DSERIES



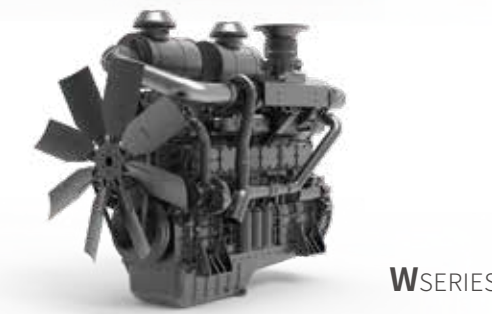
ESERIES



GSERIES



KSERIES



WSERIES

SERVICE INTRODUCTION

- Overseas authorized service station regions (Russia, Uzbekistan, Poland, Vietnam, Myanmar, Malaysia, Singapore, etc.)
- Overseas OEM authorized service station (mainly for Generator, Marine)
- Overseas agency regions (Thailand, Nigeria, Brazil, Turkey)
- SDEC headquarters

