fedpower

THE LIFE OF ENERGY

fedgenerator.com


fedpower
fedpower

THE STORY OF **POWER**

Since the day we were founded, we have continued to be the driving force behind hundreds of institutions and successful businesses in **more than 75 countries.** With our wide and effective network, we keep delivering **high-quality solutions** to customers all over the world, empowering their business operations. Every year, by serving more sectors and markets, we expand our **global impact** and **strengthen our partnerships.**

Thanks to our strong collaborations with **world-renowned generator engine and alternator suppliers,** we provide reliable services that meet **European standards.** These partnerships enable us to offer our customers **cutting-edge, high-performance, and long-lasting generator solutions.** Throughout **innovative production processes** and **high-quality components,** we always deliver the most reliable and efficient products.

Our strength comes from our **expert team of engineers,** each **highly competent** in their field. This professional team works with a **commitment to excellence** at every stage of a project, developing **creative and original solutions** to complex problems. By combining the power of knowledge with our engineering expertise, we consistently offer our customers the **most efficient and sustainable solutions.**

Our customers' satisfaction is our strength; this is the principle that guides us. **Helping them reach their goals** with confidence and courage is our most important mission. In every project, we don't just provide a product—we establish **long-term business partnerships** that support their growth and development. We help them **unlock their full potential** and constantly seek **innovative solutions** to offer the best possible service.

With our **extensive sales network** and **globally recognized representatives** in the generator market, we are always by our customers' side, anytime, anywhere. We can reach them quickly whenever they need us and offer services **tailored to their specific requirements.** With our **strong after-sales support services,** we assist our customers at every stage—from installation to maintenance and repair—ensuring the **seamless continuity** of their operations.

We are always **future-focused,** continuously enhancing our services in line with **new technologies** and **evolving market demands.** In doing so, we not only meet our customers' expectations at the highest level but also **reinforce our leadership in the industry.**

FEDPOWER

At FED Power Generators, **our greatest strength** lies in the effort we dedicate to **enhancing the quality of our products** and **maximizing customer satisfaction.**

Fueled by this strength, we begin each new day with **passion and enthusiasm,** and we continue to work with **unwavering determination.**

The organizational strength behind our **fast delivery**

The **capital strength** behind the **inventory** that **meets every demand.**

The **strong knowledge** and equipment behind the **reliable technical support** provided at every stage.

The **collaborative strength** with **world-renowned major brands known for their quality.**

The **competitive strength** that enables us to offer **quality at an affordable price.**

The **consistent growth strength** recognized even by **major competitors in the industry.**

The **visionary strength** open to **innovation** for **differentiation in the industry.**

The **qualified human resources strength** providing **24/7 service** to **realize this vision.**

WHY **FED POWER GENERATORS?**

Strong Collaboration

Thanks to our long-term collaborations with global industry leaders, we supply all the necessary components for generator sets.

Reliable Delivery

Thanks to our strong inventory, we provide solutions for diesel generator needs at a speed exceeding market standards.

Extensive Expertise

Since beginning our commercial journey in 1998, we have continued to grow as a brand, crowning our success with the awards and quality certificates we have received.

Strong Competitiveness

We stay one step ahead of changing dynamics and conditions, ready to respond; we address our customers' needs with competitive pricing policies.

Robust Projects

We stay one step ahead of changing dynamics and conditions, always prepared; we provide solutions to our customers' needs through our competitive pricing policies.

Strong Vision

We support organizations on their journey toward their dreams, never forgetting that behind every institution are people with big aspirations.

Strong Human Resources

We see our human resources as our greatest strength and work with a team that possesses strong engineering and technical expertise.

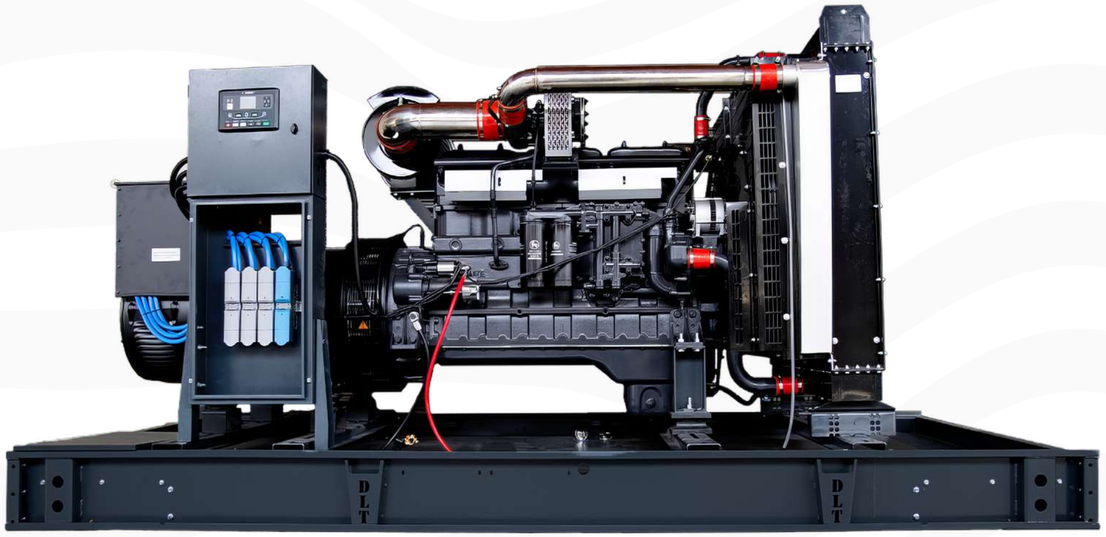
DIESEL
GENERATORS

FED-R Diesel Generator Set
35 kVA-250 kVA

Ricardo is a brand that stands out in the energy sector for its reliability and performance. Founded in 1915 by British engineer Sir Harry Ricardo, Ricardo Motor is considered one of the pioneers of internal combustion engine technology. Today, Ricardo Generators are equipped with engines produced in China but based on British engineering designs. These engines meet high standards in terms of durability and efficiency.

Ricardo Generators offer models with a wide power range from 35 kVA to 250 kVA, catering to various needs. The engines feature a 12-volt starter motor and charging alternator, interchangeable air, fuel, and oil filters, and mechanical governor control. Additionally, the generators are equipped with alternators that have IP 21-23 protection class, characterized by a brushless, single-bearing, and 4-pole design. Thanks to the electronic automatic voltage regulator, the output voltage is kept stable.

Customizable according to customer needs, Ricardo Generators can be supported with optional equipment such as different digital control panels, synchronization systems, special exhaust silencers, external fuel tanks, and remote control systems. This allows for solutions tailored to the specific requirements of various industries and projects.



		FED-R25	FED-R34	FED-R55	FED-R70	FED-R75	FED-R90	FED-R110	FED-R125	FED-R150	FED-R165
Output Values	Stand By Power	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400
		25	34	50	70	75	90	110	125	150	165
		20	31	40	56	60	72	88	100	120	132
	Prime Power	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400
		22,7	27	45,4	63,6	68	82	100	113,6	136,3	150
		18	25	36,3	51	54,5	65,4	80	91	109	120
Diesel Engine	Brand	RICARDO	RICARDO	RICARDO	RICARDO	RICARDO	RICARDO	RICARDO	RICARDO	RICARDO	RICARDO
	Model	490D	4100D	4100ZD	4105ZD	4105ZLD	R4105IZLD	R6105ZD	R6105AZLD	R6105AZLD	R6105IZLD
	Standby (kW)	20	27	40	56	60	72	88	100	120	132
	Prime (kW)	18	25	36,3	51	54,5	65,4	80	80	109	120
	Time	4	4	4	4	4	4	4	4	4	4
	Cylinder Displacement (lt.)	2,5	3,6	3,6	3,9	3,9	4,6	6,4	6,4	6,7	7
	Number of Cylinder	4 / In Line	4 / In Line	4 / In Line	4 / In Line	4 / In Line	4 / In Line	4 / In Line	6 / In Line	6 / In Line	6 / In Line
	Bore x Stroke (mm x mm)	90 x 100	100 x 115	100 x 115	105 x 115	105 x 115	105 x 135	105 x 125	105 x 130	105 x 130	105 x 135
	Compression Ratio (lt.)	18:1	17:1	17:1	17:1	17:1	17:1	16:1	16:1	16:1	16:1
	Governor Type	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic
	Aspiration	Natural	Natural	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler
	Injection Type	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct
	Cooling System	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled
	Fuel Consumption %100 (lt/h)	6,3	9,2	12,2	15,5	16,7	23,4	22,4	28,5	28,5	31,1
	Fuel Consumption %75 (lt/h)	4,7	6,9	9,1	11,6	12,5	17,5	16,8	21,3	21,3	23,2
	Fuel Consumption %50 (lt/h)	3,1	4,6	6,1	7,7	8,3	11,7	11,2	14,2	15	15,5
	Oil Capacity	10	13	13	13	13	13	15	15	25	15
	Cooling Liquid Capacity	12	17	17	17	17	22	25	25	24	25
Alternator	Output Voltage (V)	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400
	Frequency (Hz)	50	50	50	50	50	50	50	50	50	50
	Automatic Voltage Regulation (±)	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5
	Phase	3	3	3	3	3	3	3	3	3	3
	Pole	4	4	4	4	4	4	4	4	4	4
	Overload	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110
	Voltage Regulation	±%1	±%1	±%1	±%1	±%1	±%1	±%1	±%1	±%1	±%1
	Power Factor (Cos φ)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
	Warning System	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert
	AVR Model	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460
	Total Harmonic Losing	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1
	Connection Type (%)	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star
	Protection Class	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
	Isolation Class	H	H	H	H	H	H	H	H	H	H
Dimensions & Weight	W/o cubicle	Width (mm)	950	950	950	950	950	950	950	1030	1100	1100
		Length (mm)	2000	2300	2300	2300	2650	2650	2650	2850	3070	3070
		Height (mm)	1260	1560	1560	1560	1660	1660	1660	1760	1800	1800
		Weight (kg)	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
		Fuel Tank Capacity (lt.)	85	85	85	85	160	160	160	160	210	210
	With Cubicle	Width (mm)	950	950	950	950	950	950	950	1030	1100	1100
		Length (mm)	1700	2000	2000	2000	2350	2350	2350	2550	2770	2770
		Height (mm)	TBA	1310	1310	1310	1400	1400	1400	TBA	TBA	1510
		Weight (kg)	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
		Fuel Tank Capacity (lt.)	85	85	85	85	160	160	160	160	210	210

FED Power Generator – All rights reserved © 2025. Unauthorized reproduction and use are prohibited. | +90 531 646 03 28

FED-R190

Output Values	Stand By Power	Voltage	230/400
		kVA	190
		kW	152
	Prime Power	Voltage	230/400
		kVA	172
		kW	138

Diesel Engine	Brand	RICARDO
	Model	R6110IZLD
	Standby (kW)	152
	Prime (kW)	138
	Time	4
	Cylinder Displacement (lt.)	7,7
	Number of Cylinder	6 / In Line
	Bore x Stroke (mm x mm)	110 x 135
	Compression Ratio (lt.)	17:1
	Governor Type	Mechanic
	Aspiration	Turbocharge/Intercooler
	Injection Type	Direct
	Cooling System	Liquid Cooled
	Fuel Consumption %100 (lt/h)	42
	Fuel Consumption %75 (lt/h)	31,5
	Fuel Consumption %50 (lt/h)	21
	Oil Capacity	16
	Cooling Liquid Capacity	26

Alternator	Output Voltage (V)	230/400
	Frequency (Hz)	50
	Automatic Voltage Regulation (±)	0,5
	Phase	3
	Pole	4
	Overload	1 Hour %110
	Voltage Regulation	±%1
	Power Factor (Cos φ)	0,8
	Warning System	Self Alert
	AVR Model	Sx460
	Total Harmonic Losing	≤%1
	Connection Type (%)	Star
	Protection Class	IP23
	Isolation Class	H

Dimensions & Weight	W/o cubicle	Width (mm)	1100
		Length (mm)	3070
		Height (mm)	1800
		Weight (kg)	TBA
		Fuel Tank Capacity (lt.)	210
	With Cubicle	Width (mm)	1100
		Length (mm)	2770
		Height (mm)	1510
		Weight (kg)	TBA
		Fuel Tank Capacity (lt.)	210

YANGDONG DIESEL ENGINES

Yangdong Engines are designed and manufactured by Yangdong Co., Ltd., a China-based company. They developed their first 480-type diesel engine in 1984 and have been producing high-capacity diesel engines for over two decades. Yangdong generator sets boast a wide power range from 11 kVA to 200 kVA.

Yangdong generators use 4-stroke, water-cooled diesel engines. These engines, available with turbocharged or naturally aspirated cooling options, are equipped with Direct injection systems, mechanical or electronic governors, 24-volt starter motors, and charging alternators. The product range includes single-phase or three-phase open-frame and soundproof canopy options.

The generators are designed with maintenance-free bronze bearings, brushless alternators with IP22–IP23 protection class, and electronic controllers from Smartgen, DeepSea, ComAp, among others. Additionally, industrial-grade silencers, flexible fuel hoses, oil drain valves, and integrated fuel tanks with 8–24 hour capacity are standard features.

Yangdong holds ISO 9001 and ISO/TS 16949 quality system certifications; its products also comply with CE, EPA, EU e-mark, and various international standards. The production process—including design, casting, manufacturing, assembly, and testing—is fully integrated.

Yangdong generator sets provide durable, efficient, and reliable solutions for industries, construction, residential use, telecommunications, fire pumps, marine, and emergency power applications. The wide model portfolio, along with session-type and canopy options with shading, offers flexibility suitable for every project requirement.

FED-YD Diesel Generator Set
11 kVA-200 kVA

			FED-YD13	FED-YD20	FED-YD25	FED-YD34	FED-YD45	FED-YD55	FED-YD75	FED-YD100	FED-R110
Output Values	Stand By Power	Voltage	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400
		kVA	13	20	25	34	45	55	75	100	110
		kW	10	16	20	27,2	36	44	60	80	88
	Prime Power	Voltage	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400
		kVA	11,8	18	22,7	31	41	50	68	91	100
		kW	9,4	14,5	18	24,7	32,7	40	54,5	72,7	80
Diesel Engine		Brand	YANGDONG	YANGDONG	YANGDONG	YANGDONG	YANGDONG	YANGDONG	YANGDONG	YANGDONG	YANGDONG
		Model	YD385	YD485	YSD490	Y495D	Y4105D	Y4102ZLD	YD4EZLDE	Y4110ZLD	Y4GZLD
		Standby (kW)	10	16	20	27,2	36	44	60	80	88
		Prime (kW)	9,4	14,5	18	24,7	32,7	40	54,5	72,7	80
		Time	4	4	4	4	4	4	4	4	4
		Cylinder Displacement (lt.)	1,5	2,1	2,5	2,9	4,1	3,8	4,1	4,4	4,3
		Number of Cylinder	3 / In Line	4 / In Line	4 / In Line	4 / In Line	4 / In Line	4 / In Line	4 / In Line	4 / In Line	4 / In Line
		Bore x Stroke (mm x mm)	85 x 90	85 x 95	90 x 100	95 x 105	105 x 118	102 x 118	105 x 118	110 x 118	110 x 118
		Compression Ratio (lt.)	18:1	18:1	18:1	18:1	18:1	18:1	18:1	18:1	18:1
		Governor Type	Mechanic	Mechanic	Mechanic/Electronic	Mechanic	Mechanic/Electronic	Mechanic	Electronic	Electronic	Electronic
		Aspiration	Natural	Natural	Turbocharge/Intercooler	Natural	Natural	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler
		Injection Type	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct
		Cooling System	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled
		Fuel Consumption %100 (lt/h)	3,3	4,9	6,1	7,7	10,6	12,8	16,3	20,8	22,1
		Fuel Consumption %75 (lt/h)	2,4	3,6	4,5	5,7	7,9	9,6	12,2	15,6	18,9
		Fuel Consumption %50 (lt/h)	1,6	2,4	3	3,8	5,3	6,4	8,1	10,4	14,2
		Oil Capacity	10,4	11,6	12,1	12,1	14,9	14,9	15,6	16,7	16,7
		Cooling Liquid Capacity	4,5	5,5	8	8	13	13	13	17	17
Alternator		Output Voltage (V)	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400
		Frequency (Hz)	50	50	50	50	50	50	50	50	50
		Automatic Voltage Regulation (±)	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5
		Phase	3	3	3	3	3	3	3	3	3
		Pole	4	4	4	4	4	4	4	4	4
		Overload	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110
		Voltage Regulation	±%1	±%1	±%1	±%1	±%1	±%1	±%1	±%1	±%1
		Power Factor (Cos φ)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
		Warning System	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert
		AVR Model	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460
		Total Harmonic Losing	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1
		Connection Type (%)	Star	Star	Star	Star	Star	Star	Star	Star	Star
		Protection Class	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
		Isolation Class	H	H	H	H	H	H	H	H	H
Dimensions & Weight	W/o cubicle	Width (mm)	950	950	950	950	950	950	950	950	950
		Length (mm)	2000	2000	2300	2300	2300	2300	2300	2650	2650
		Height (mm)	1260	1260	1260	1560	1560	1560	1560	1660	1660
		Weight (kg)	650	733	795	TBA	TBA	TBA	TBA	TBA	TBA
		Fuel Tank Capacity (lt.)	80	80	80	85	80	140	140	190	190
	With Cubicle	Width (mm)	950	950	950	2200	950	950	950	950	950
		Length (mm)	1700	1700	1700	1000	2000	2000	2000	2350	2350
		Height (mm)	1100	1100	1100	1400	1310	1310	1310	1400	1400
		Weight (kg)	456	545	600	550	TBA	TBA	TBA	TBA	TBA
		Fuel Tank Capacity (lt.)	80	80	80	122	80	140	140	190	190

FED Power Generator – All rights reserved © 2025. Unauthorized reproduction and use are prohibited. | +90 531 646 03 28

SHANGHAI DONGFENG

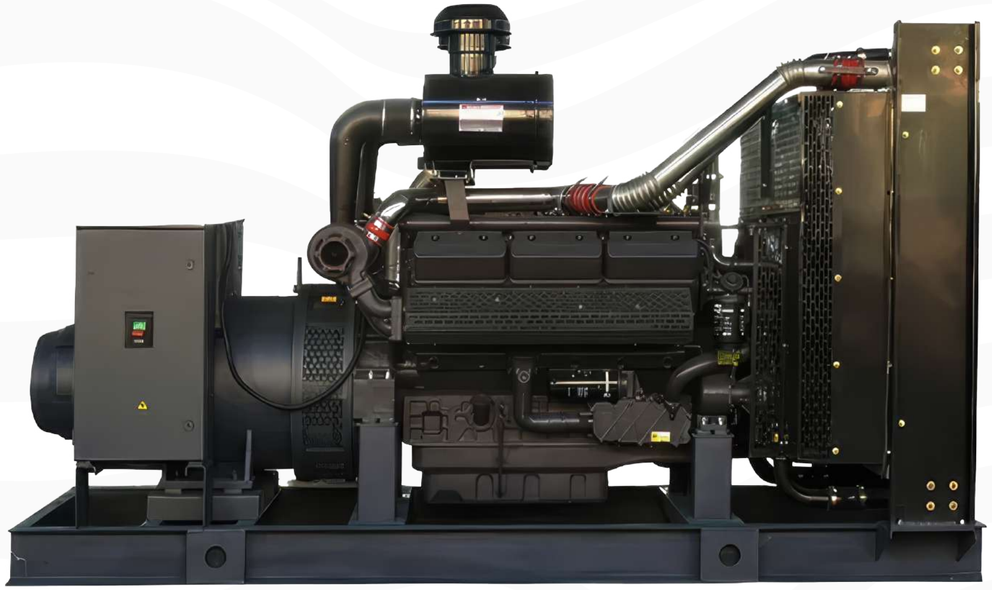
Shanghai Dongfeng is a subsidiary of the Shanghai Dongfeng Diesel Engine Institute, established in 1993 under the Shanghai Science Committee. Specializing in diesel engine production for over 20 years, the company manufactures generator engines with power ranges from 250 kVA to 1375 kVA. Its product range includes solutions for various applications such as generator engines, marine engines, drilling engines, and fire-fighting engines.

Shanghai Dongfeng generators feature 4-stroke, water-cooled, turbocharged, and air-to-air charge-cooled engines. Equipped with Direct injection systems and electronic governors, these engines include a 24-volt starter motor and charging alternator, along with replaceable air, fuel, and oil filters. Industrial-grade silencers, flexible fuel hoses, and oil drain valves are also standard equipment.

The products are manufactured in compliance with international standards such as VDE 0530, BS 4999, BS 5000, IEC 34, TS ISO 8528, and TS EN 12601. Additionally, the company holds management system certifications ISO 9001:2008, ISO 14001:2004, and OHSAS 18001:2007, and quality and reliability are further certified by CE and GOST-R certificates.

Shanghai Dongfeng generators are designed and produced to meet high-quality standards at every stage, from engineering to manufacturing. With a strong engineering infrastructure, a wide product range, and international certifications, Shanghai Dongfeng offers reliable and efficient solutions to meet your energy needs.

FED-S Diesel Generator Set
250 kVA-1375 kVA



			FED-S220	FED-S250	FED-S275	FED-S330	FED-S385	FED-S400	FED-S450	FED-S550	FED-S575	FED-S630
Output Values	Stand By Power	Voltage	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400
		kVA	220	250	275	330	385	400	450	550	575	630
		kW	160	200	220	264	308	320	360	440	460	504
	Prime Power	Voltage	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400
		kVA	220	227	250	300	350	363	409	500	522	572
		kW	176	181	200	240	280	290	327	400	418	458
Diesel Engine		Brand	SHANGHAI	SHANGHAI	SHANGHAI	SHANGHAI	SHANGHAI	SHANGHAI	SHANGHAI	SHANGHAI	SHANGHAI	SHANGHAI
		Model	WLD6L180TAD	WLD6L206TAD	WLD6L227TAD	WLD6L263TAD	WLG6L308TAD	WLG6L350TAD	WLG6L375TAD	WLG6L450TAD	WLG6L460TAD	WL12V510TAD
		Standby (kW)	160	200	220	264	308	320	360	440	460	504
		Prime (kW)	176	181	200	240	280	290	327	400	418	458
		Time	4	4	4	4	4	4	4	4	4	4
		Cylinder Displacement (lt.)	8,2	8,2	8,2	8,8	12,9	12,9	12,9	14,2	18,8	25,8
		Number of Cylinder	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line	12 / V Type
		Bore x Stroke (mm x mm)	114 X 135	114 x 135	114 x 135	114 x 144	135 x 150	135 x 150	135 x 150	135 x 165	138 x 168	135 x 150
		Compression Ratio (lt.)	18:1	18:1	8:1	18:1	15,7:1	15,7:1	15,7:1	16:1	16:1	16:1
		Governor Type	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
		Aspiration	Turboşarj / Intercooler	Turboşarj / Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler
		Injection Type	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct
		Cooling System	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled
		Fuel Consumption %100 (lt/h)	52	52	52	52	71	71	71	71	88	118
		Fuel Consumption %75 (lt/h)	39	39	39	39	53	53	53	53	65	88
		Fuel Consumption %50 (lt/h)	27	27	27	27	36	36	36	36	44	60
		Oil Capacity	22	22	22	22	33	33	33	33	65	65
		Cooling Liquid Capacity	36	36	36	37	62	62	62	62	86	109
Alternator		Output Voltage (V)	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400
		Frequency (Hz)	50	50	50	50	50	50	50	50	50	50
		Automatic Voltage Regulation (±)	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5
		Phase	3	3	3	3	3	3	3	3	3	3
		Pole	4	4	4	4	4	4	4	4	4	4
		Overload	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110
		Voltage Regulation	±%1	±%1	±%1	±%1	±%1	±%1	±%1	±%1	±%1	±%1
		Power Factor (Cos φ)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
		Warning System	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert
		AVR Model	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460
		Total Harmonic Losing	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1
		Connection Type (%)	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star
		Protection Class	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
		Isolation Class	H	H	H	H	H	H	H	H	H	H
Dimensions & Weight	W/o cubicle	Width (mm)	1200	1200	1200	1200	1300	1300	1600	1600	2000	2000
		Length (mm)	3680	3680	3680	3680	3680	3680	3680	3680	4100	4100
		Height (mm)	2100	2100	2100	2100	2100	2100	2035	2035	2880	2880
		Weight (kg)	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
		Fuel Tank Capacity (lt.)	360	360	360	360	410	410	600	600	TBA	870
	With Cubicle	Width (mm)	1200	1200	1200	1200	1600	1600	1600	1600	2000	2000
		Length (mm)	3000	3000	3000	3000	3000	3000	3380	3380	4100	4100
		Height (mm)	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
		Weight (kg)	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
		Fuel Tank Capacity (lt.)	360	360	360	360	410	410	600	600	TBA	870

FED Power Generator – All rights reserved © 2025. Unauthorized reproduction and use are prohibited. | +90 531 646 03 28

		FED-S700	FED-S780	FED-S850	FED-S900	FED-S975	FED-S1000	FED-S1100
Output Values	Stand By Power							
	Voltage	230/400	230/400	230/400	230/400	230/400	230/400	230/400
	kVA	700	780	850	900	975	1000	1100
	kW	560	624	680	720	780	800	880
	Prime Power							
	Voltage	230/400	230/400	230/400	230/400	230/400	230/400	230/400
	kVA	636	709	772	818	886	909	1000
	kW	509	567	618	654	709	727	800
Diesel Engine	Brand	SHANGHAI	SHANGHAI	SHANGHAI	SHANGHAI	SHANGHAI	SHANGHAI	SHANGHAI
	Model	WL12V565TAD	WL12V630TAD	WL12V680TAD	WL12V720TAD	WL12V780TAD	WL12V826TAD	WL12V886TAD
	Standby (kW)	560	624	680	720	780	800	880
	Prime (kW)	509	567	618	654	709	727	800
	Time	4	4	4	4	4	4	4
	Cylinder Displacement (lt.)	26,6	26,6	26,6	28,3	28,3	30,2	30,2
	Number of Cylinder	12 / V Type	12 / V Type	12 / V Type	12 / V Type	12 / V Type	12 / V Type	12 / V Type
	Bore x Stroke (mm x mm)	135 x 155	135 x 155	138 x 158	138 x 158	138 x 158	138 x 168	138 x 168
	Compression Ratio (lt.)	16:1	16:1	16:1	15,4:1	15,4:1	14:1	14:1
	Governor Type	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
	Aspiration	Turboşarj / Intercooler	Turboşarj / Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler
	Injection Type	Direct	Direct	Direct	Direct	Direct	Direct	Direct
	Cooling System	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled
	Fuel Consumption %100 (lt/h)	131	146	157	167	183	192	204
	Fuel Consumption %75 (lt/h)	97	108	117	124	136	143	151
	Fuel Consumption %50 (lt/h)	66	74	80	85	93	98	103
	Oil Capacity	65	65	65	65	65	65	65
	Cooling Liquid Capacity	108,6	108	105,8	107,7	107,7	121,2	121,2
Alternator	Output Voltage (V)	230/400	230/400	230/400	230/400	230/400	230/400	230/400
	Frequency (Hz)	50	50	50	50	50	50	50
	Automatic Voltage Regulation (±)	0,5	0,5	0,5	0,5	0,5	0,5	0,5
	Phase	3	3	3	3	3	3	3
	Pole	4	4	4	4	4	4	4
	Overload	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110
	Voltage Regulation	±%1	±%1	±%1	±%1	±%1	±%1	±%1
	Power Factor (Cos φ)	0,8	0,8	0,8	0,8	0,8	0,8	0,8
	Warning System	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert
	AVR Model	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460
	Total Harmonic Losing	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1
	Connection Type (%)	Star	Star	Star	Star	Star	Star	Star
	Protection Class	IP23	IP23	IP23	IP23	IP23	IP23	IP23
	Isolation Class	H	H	H	H	H	H	H
Dimensions & Weight	W/o cubicle							
	Width (mm)	2000	2000	2000	2000	2000	2000	2000
	Length (mm)	4100	4100	4100	4100	4100	4100	4100
	Height (mm)	2880	2880	2880	2880	2880	2880	2880
	Weight (kg)	TBA	TBA	TBA	TBA	TBA	TBA	TBA
	Fuel Tank Capacity (lt.)	870	870	870	TBA	TBA	TBA	TBA
	With Cubicle							
	Width (mm)	2000	2000	2000	2000	2000	2000	2000
	Length (mm)	4100	4100	4100	4100	4100	4100	4100
	Height (mm)	TBA	TBA	TBA	TBA	TBA	TBA	TBA
	Weight (kg)	TBA	TBA	TBA	TBA	TBA	TBA	TBA
	Fuel Tank Capacity (lt.)	870	870	870	TBA	TBA	TBA	TBA

12 / V Type

FED Power Generator – All rights reserved © 2025. Unauthorized reproduction and use are prohibited. | +90 531 646 03 28

MOTEURS Baudouin

Baudouin is a well-established engine manufacturer founded in France in 1918. With over a century of experience, it develops high-performance diesel engines for the marine and energy sectors. Baudouin engines offer durability, efficiency, and reliability across a wide power range from 22 kVA to 2750 kVA.

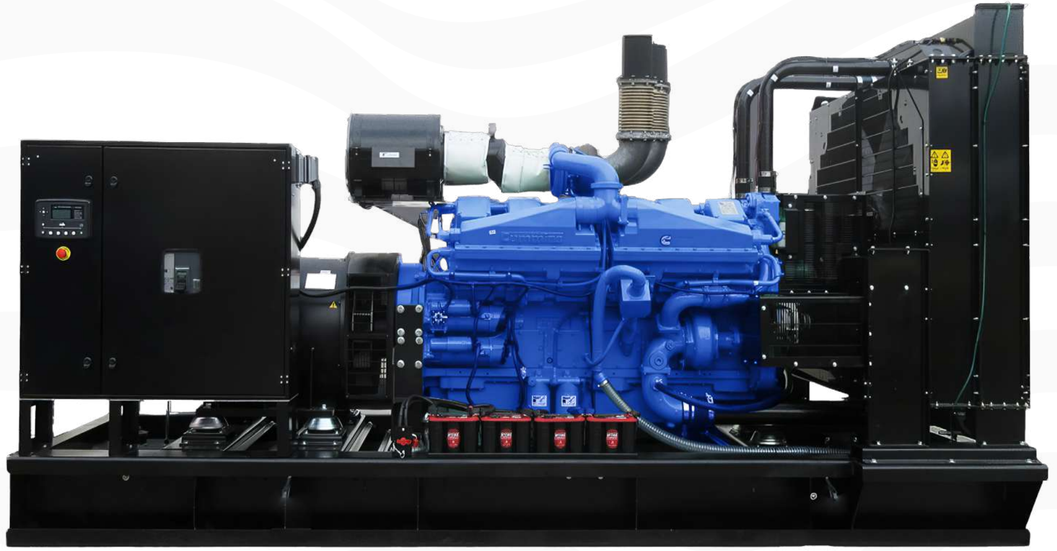
Generators equipped with Baudouin engines are ideal for heavy-duty applications. These 4-stroke, water-cooled, turbocharged engines feature an aftercooler intake system and provide precise speed control with electronic or mechanical governor systems. They are equipped with 12/24 volt starter motors, charging alternators, and replaceable air, fuel, and oil filters.

Baudouin generators are manufactured in compliance with international standards such as TS ISO 8528-4, TS ISO 8528-5, TS EN 13501-1+A1:2013, and TS EN ISO 9227. Additionally, they hold management system certifications ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018.

Baudouin engines are integrated into generator sets and offered by KJ Power. Covering a broad range from 22 kVA to 2750 kVA, KJ Power develops custom projects to provide effective solutions for energy needs.

Baudouin is an ideal choice to meet your energy requirements.

FED-B Diesel Generator Set
22 kVA-2750 kVA



			FED-B20	FED-B25	FED-S35	FED-B44	FED-B50	FED-B55	FED-B70	FED-B88	FED-B110	FED-B150
Output Values	Stand By Power	Voltage	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400
		kVA	20	25	35	44	50	55	70	88	110	150
		kW	18	20	28	35,2	40	44	56	70	88	120
	Prime Power	Voltage	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400
		kVA	18	22,7	31,8	40	45,4	50	63,6	80	100	136,3
		kW	14,5	18	25,4	32	36,3	40	50,9	64	80	109
Diesel Engine		Brand	BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN
		Model	4M06G20/5	4M06G25/5	4M06G35/5	4M06G44/5	4M06G50/5	4M06G55/5	4M10G70/5	4M10G88/5	4M10G110/5	6M11G150/5
		Standby (kW)	18	20	28	35,2	40	44	56	70	88	120
		Prime (kW)	14,5	18	25,4	32	36,3	40	5,9	64	80	109
		Time	4	4	4	4	4	4	4	4	4	4
		Cylinder Displacement (lt.)	2,3	2,3	2,3	2,3	2,3	2,3	4,08	4,087	4,087	6,7
		Number of Cylinder	4 / In Line	4 / In Line	4 / In Line	4 / In Line	4 / In Line	4 / In Line	4 / In Line	4 / In Line	4 / In Line	6 / In Line
		Bore x Stroke (mm x mm)	89 x 92	89 x 92	89 x 92	89 x 92	89 x 92	89 x92	105 x 118	105 x 118	105 x 118	105 x 130
		Compression Ratio (lt.)	17,5:1	17,5:1	17,5:1	17,5:1	17,5:1	17,5:1	17,5:1	17,5:1	17,5:1	18:1
		Governor Type	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
		Aspiration	Natural	Natural	Turboşarj	Turboşarj	Turboşarj	Turboşarj	Turboşarj	Turboşarj	Turboşarj	Turboşarj
		Injection Type	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct
		Cooling System	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled
		Fuel Consumption %100 (lt/h)	4,7	6,1	7,6	9,5	10,7	11,9	15	18,8	21,2	118
		Fuel Consumption %75 (lt/h)	3,6	4,5	5,7	7	8	8,9	11	13,5	16	88
		Fuel Consumption %50 (lt/h)	2,6	3,2	4	4,7	5,4	6	7,7	9,1	10,5	60
		Oil Capacity	11,5	11,5	11,5	11,5	11,5	9,2	13	13	13	65
		Cooling Liquid Capacity	16	16	12	16	13	13	18	17,9	23,6	109
Alternator		Output Voltage (V)	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400
		Frequency (Hz)	50	50	50	50	50	50	50	50	50	50
		Automatic Voltage Regulation (±)	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5
		Phase	3	3	3	3	3	3	3	3	3	3
		Pole	4	4	4	4	4	4	4	4	4	4
		Overload	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110
		Voltage Regulation	±%1	±%1	±%1	±%1	±%1	±%1	±%1	±%1	±%1	±%1
		Power Factor (Cos φ)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
		Warning System	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert
		AVR Model	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460
		Total Harmonic Losing	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1
		Connection Type (%)	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star
		Protection Class	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
		Isolation Class	H	H	H	H	H	H	H	H	H	H
Dimensions & Weight	W/o cubicle	Width (mm)	950	950	950	950	950	950	950	950	950	1100
		Length (mm)	2000	2000	2000	2300	2300	2300	2650	2650	3650	3070
		Height (mm)	1250	1260	1260	1560	1560	1560	1660	1660	1660	1800
		Weight (kg)	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
		Fuel Tank Capacity (lt.)	85	85	85	85	85	85	160	160	160	245
	With Cubicle	Width (mm)	950	950	950	950	950	950	950	950	950	1100
		Length (mm)	1700	1700	1700	2000	2000	2000	2350	2350	2350	2770
		Height (mm)	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
		Weight (kg)	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
		Fuel Tank Capacity (lt.)	85	85	85	85	85	85	160	160	160	245

FED Power Generator – All rights reserved © 2025. Unauthorized reproduction and use are prohibited. | +90 531 646 03 28

		FED-B165	FED-B220	FED-B250	FED-B275	FED-B350	FED-B385	FED-B440	FED-B500	FED-B550	FED-B660
Output Values	Stand By Power										
	Voltage	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400
	kVA	165	220	250	275	350	385	440	500	550	660
	kW	132	176	200	220	280	308	352	400	440	528
	Prime Power										
	Voltage	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400
	kVA	150	200	227,2	250	318	350	400	455	500	600
	kW	120	160	181,8	200	254,5	280	320	363,6	400	480
Diesel Engine	Brand	BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN
	Model	6M11G165/5	6M16G220/5	6M16G250/5	6M16G275/5	6M16G350/5	6M16G385/5	6M21G440/5	6M21G500/5	6M21G550/5	6M21G660/5
	Standby (kW)	132	176	200	220	280	308	352	400	440	528
	Prime (kW)	120	160	181,8	200	254,5	280	320	363,6	400	480
	Time	4	4	4	4	4	4	4	4	4	4
	Cylinder Displacement (lt.)	6,7	9,7	9,7	9,7	9,7	12,5	12,5	12,5	12,5	16,7
	Number of Cylinder	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line
	Bore x Stroke (mm x mm)	105 x 130	126 x 130	126 x 130	126 x 130	126 x 130	127 x 165	127 x 165	127 x 165	127 x 165	127 x 165
	Compression Ratio (lt.)	18:1	17:1	17:01	17:1	17:01	16:01	16:1	16:01	16:01	15:01
	Governor Type	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
	Aspiration	Turboşarj	Turboşarj	Turboşarj	Turboşarj	Turboşarj	Turboşarj	Turboşarj	Turboşarj	Turboşarj	Turboşarj
	Injection Type	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct
	Cooling System	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled
	Fuel Consumption %100 (lt/h)	32,6	43,1	50,9	56,9	7,8	82,1	85,5	110	109,5	124,2
	Fuel Consumption %75 (lt/h)	24,6	32,4	38	42,2	N/A	60,7	63,5	N/A	75	95,4
	Fuel Consumption %50 (lt/h)	16,7	22,4	25,8	28,3	N/A	41	43,2	N/A	51	64,7
	Oil Capacity	19	30	30	30	30	32	32	32	40	45
	Cooling Liquid Capacity	17	44	44	44	50	55	55	55	62	101
Alternator	Output Voltage (V)	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400
	Frequency (Hz)	50	50	50	50	50	50	50	50	50	50
	Automatic Voltage Regulation (±)	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5
	Phase	3	3	3	3	3	3	3	3	3	3
	Pole	4	4	4	4	4	4	4	4	4	4
	Overload	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110
	Voltage Regulation	±%1	±%1	±%1	±%1	±%1	±%1	±%1	±%1	±%1	±%1
	Power Factor (Cos φ)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
	Warning System	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert
	AVR Model	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460
	Total Harmonic Losing	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1
	Connection Type (%)	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star
	Protection Class	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
	Isolation Class	H	H	H	H	H	H	H	H	H	H
Dimensions & Weight	W/o cubicle										
	Width (mm)	1100	1200	1200	1200	1300	1300	1600	1600	1600	2000
	Length (mm)	3070	3680	3680	3680	3680	3680	3680	3680	3680	4100
	Height (mm)	1800	1950	1950	1950	1950	1950	2035	2035	2035	2880
	Weight (kg)	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
	Fuel Tank Capacity (lt.)	245	360	360	360	412	412	600	600	600	870
	With Cubicle										
	Width (mm)	1100	1200	1200	1200	1300	1300	1600	1600	1600	2000
	Length (mm)	2770	3000	3000	3000	3000	3000	3380	3380	3380	4100
	Height (mm)	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
	Weight (kg)	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
	Fuel Tank Capacity (lt.)	245	360	360	360	412	412	600	600	600	870

FED Power Generator – All rights reserved © 2025. Unauthorized reproduction and use are prohibited. | +90 531 646 03 28

			FED-B715	FED-B750	FED-B825	FED-B900	FED-B1000	FED-S1100
Output Values	Stand By Power	Voltage	230/400	230/400	230/400	230/400	230/400	230/400
		kVA	715	750	825	900	1000	1120
		kW	572	600	660	720	800	896
	Prime Power	Voltage	230/400	230/400	230/400	230/400	230/400	230/400
		kVA	650	681	750	818	909	1000
		kW	520	544	600	654	727	800
Diesel Engine		Brand	BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN	BAUDOUIN
		Model	6M33G715/5	6M33G750/5	6M33G825/5	12M26G900/5	12M26G1000/5	12M26G1100/5
		Standby (kW)	572	600	660	720	800	896
		Prime (kW)	520	544	600	654	727	800
		Time	4	4	4	4	4	4
		Cylinder Displacement (lt.)	19,6	19,6	19,6	31,8	31,8	31,8
		Number of Cylinder	6 / In Line	6 / In Line	6 / In Line	12 / V Type	12 / V Type	12 / V Type
		Bore x Stroke (mm x mm)	150 x 185	150 x 185	150 x 185	150 x 150	150 x 150	150 x150
		Compression Ratio (lt.)	15:01	15:01	15:01	15,7:01	15,7:01	15,7:01
		Governor Type	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
		Aspiration	Turboşarj	Turboşarj	Turboşarj	Turboşarj	Turboşarj	Turboşarj
		Injection Type	Direct	Direct	Direct	Direct	Direct	Direct
		Cooling System	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled
		Fuel Consumption %100 (lt/h)	136	151	182	173	195	207
		Fuel Consumption %75 (lt/h)	100	111	137	133	146	155
		Fuel Consumption %50 (lt/h)	67	75,5	91	90,8	100	106
		Oil Capacity	64	64	61	114	109	114
		Cooling Liquid Capacity	159	159	159	148	191	154
Alternator		Output Voltage (V)	230/400	230/400	230/400	230/400	230/400	230/400
		Frequency (Hz)	50	50	50	50	50	50
		Automatic Voltage Regulation (±)	0,5	0,5	0,5	0,5	0,5	0,5
		Phase	3	3	3	3	3	3
		Pole	4	4	4	4	4	4
		Overload	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110
		Voltage Regulation	±%1	±%1	±%1	±%1	±%1	±%1
		Power Factor (Cos φ)	0,8	0,8	0,8	0,8	0,8	0,8
		Warning System	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert
		AVR Model	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460
		Total Harmonic Losing	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1
		Connection Type (%)	Star	Star	Star	Star	Star	Star
		Protection Class	IP23	IP23	IP23	IP23	IP23	IP23
		Isolation Class	H	H	H	H	H	H
Dimensions & Weight	W/o cubicle	Width (mm)	2000	2000	2000	2000	2000	2000
		Length (mm)	4100	4100	4100	4100	4100	4900
		Height (mm)	2880	2880	2880	2880	2880	2880
		Weight (kg)	TBA	TBA	TBA	TBA	TBA	TBA
		Fuel Tank Capacity (lt.)	870	870	870	870	970	730
	With Cubicle	Width (mm)	2000	2000	2000	2000	2000	2000
		Length (mm)	4100	4100	4100	4100	4100	4900
		Height (mm)	TBA	TBA	TBA	TBA	TBA	TBA
		Weight (kg)	TBA	TBA	TBA	TBA	TBA	TBA
		Fuel Tank Capacity (lt.)	870	870	870	870	970	730

FED Power Generator – All rights reserved © 2025. Unauthorized reproduction and use are prohibited. | +90 531 646 03 28

Perkins

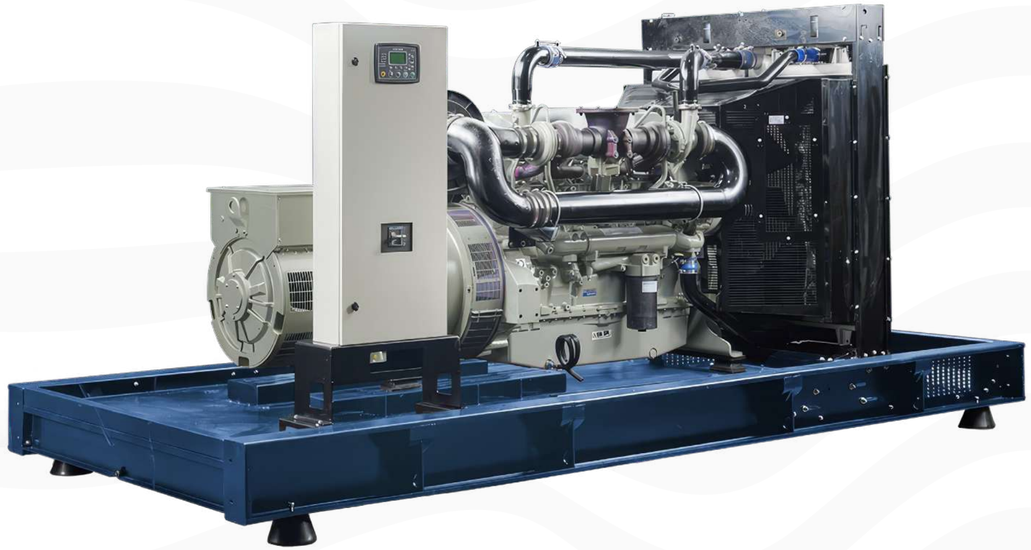
Perkins, with over 90 years of experience, is one of the leading names in generator engine manufacturing. Known for delivering high performance, power density, and durability, Perkins engines ensure reliable power in critical applications with their 24/7 continuous operation capabilities. These engines offer long-lasting and efficient usage with minimal maintenance requirements, even under harsh working conditions. For this reason, businesses and facilities around the world rely on Perkins engines to meet their energy needs.

As FED Power Generator, we manufacture DMG-P diesel generator sets ranging from 10 kVA to 2500 kVA, equipped with original Perkins engines. These generators, produced in our factories, are widely used in a variety of settings – from industrial plants and hospitals with sensitive power demands, to data centers, construction projects, and large-scale port operations.

Our generator sets are trusted especially in critical sectors where power outages can lead to significant costs. With the ability to operate seamlessly in harsh climates and high-performance environments, they provide a reliable solution to meet energy demands under any conditions. Generators powered by Perkins engines enhance operational efficiency with high-quality engineering and dependability.

At FED Power Generator, we continue to reflect our strength and quality across all fields with robust and reliable power solutions.

FED-P Diesel Generator Set
10 kVA-2500 kVA



			FED-P10	FED-P15	FED-P22	FED-P33	FED-P50	FED-P66	FED-P72	FED-P88	FED-P110	FED-P150
Output Values	Stand By Power	Voltage	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400
		kVA	10	15	22	33	50	66	72	88	110	150
		kW	8	12	17,6	26,4	40	52,8	57,6	70,4	88	120
	Prime Power	Voltage	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400
		kVA	9	14	20	30	45	60	65	80	100	136
		kW	7,2	10,9	16	24	36,3	48	51,6	64	80	109
Diesel Engine		Brand	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS
		Model	403A-11G1	403A-15G1	404A-22G1	1103A-33G	1103A-33TG1	1103A-33TG2	1104A-44TG1	1104A-44TG2	1104C-44TAG2	1106A-70TG1
		Standby (kW)	8	12	17,6	26,4	40	52,8	57,6	70,4	88	120
		Prime (kW)	7,2	10,9	16	24	36,3	48	51,6	64	80	109
		Time	4	4	4	4	4	4	4	4	4	4
		Cylinder Displacement (lt.)	1,1	1,4	1,4	3,3	3,3	3,3	4,4	4,4	4,4	7
		Number of Cylinder	3 / In Line	3 / In Line	4 / In Line	3 / In Line	3 / In Line	3 / In Line	4 / In Line	4 / In Line	4 / In Line	6 / In Line
		Bore x Stroke (mm x mm)	77 x 81	84 x 90	89 x 92	105 x 127	105 x 127	105 x 127	105 x 127	105 x 127	105 x 127	105 x 135
		Compression Ratio (lt.)	23:01	22,5:1	84 x 100	19,25:1	17,25:1	17,25:1	17,25:1	17,25:1	18,2:1	18,2:1
		Governor Type	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Electronic	Mechanic
		Aspiration	Natural	Natural	Natural	Natural	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler
		Injection Type	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct
		Cooling System	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled
		Fuel Consumption %100 (lt/h)	3	3,7	5,3	7,1	11	13,9	14,8	19	22,6	30,3
		Fuel Consumption %75 (lt/h)	2,2	2,8	4	5,4	8	10,4	11,2	14	17,1	22,7
		Fuel Consumption %50 (lt/h)	2	2	3	3,9	6	7,2	8	10	11,2	15,9
		Oil Capacity	4,9	6	10,6	8,3	7,9	8,3	8	8	8	18
		Cooling Liquid Capacity	5,2	6	7	10,2	10,2	10,2	13	13	12,6	21
Alternator		Output Voltage (V)	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400
		Frequency (Hz)	50	50	50	50	50	50	50	50	50	50
		Automatic Voltage Regulation (±)	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5
		Phase	3	3	3	3	3	3	3	3	3	3
		Pole	4	4	4	4	4	4	4	4	4	4
		Overload	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110
		Voltage Regulation	±%1	±%1	±%1	±%1	±%1	±%1	±%1	±%1	±%1	±%1
		Power Factor (Cos φ)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
		Warning System	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert
		AVR Model	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460
		Total Harmonic Losing	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1
		Connection Type (%)	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star
		Protection Class	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
		Isolation Class	H	H	H	H	H	H	H	H	H	H
Dimensions & Weight	W/o cubicle	Width (mm)	950	950	950	950	950	950	950	950	950	1100
		Length (mm)	2000	2000	2000	2300	2300	2300	2650	2650	2650	3070
		Height (mm)	1260	1260	1260	1560	1560	1560	1660	1660	1660	1800
		Weight (kg)	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
		Fuel Tank Capacity (lt.)	85	85	85	85	85	85	160	160	160	245
	With Cubicle	Width (mm)	950	950	950	950	950	950	950	950	950	1100
		Length (mm)	1700	1700	1700	2000	2000	2000	2350	2350	2350	2770
		Height (mm)	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
		Weight (kg)	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
		Fuel Tank Capacity (lt.)	85	85	85	85	85	85	160	160	160	245

FED Power Generator – All rights reserved © 2025. Unauthorized reproduction and use are prohibited. | +90 531 646 03 28

		FED-P165	FED-P200	FED-P220	FED-P250	FED-P275	FED-P300	FED-P330	FED-P400	FED-P450	FED-P500
Output Values	Stand By Power										
	Voltage	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400
	kVA	165	200	220	250	275	300	330	400	450	500
	kW	132	160	176	200	220	240	364	320	360	400
	Prime Power										
	Voltage	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400
	kVA	150	182	200	227	250	273	300	363	409	455
	kW	120	145,4	160	181,8	200	218,1	240	290	327,2	363,6
Diesel Engine	Brand	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS	PERKINS
	Model	1106A-70TAG2	1106A-70TAG3	1106A-70TAG4	1206A-70TTAG2	1206A-70TTAG3	1706A-E93TAG1	1506A-E88TAG5	2206A-E12TAG3	2206A-E13TAG3	2506A-E15TAG1
	Standby (kW)	132	160	176	200	220	240	264	320	360	400
	Prime (kW)	120	145,4	160	181,8	200	218,1	240	290	327,2	363,6
	Time	4	4	4	4	4	4	4	4	4	4
	Cylinder Displacement (lt.)	7	7	7	7	7	8,8	8,8	12,5	12,5	15,2
	Number of Cylinder	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line
	Bore x Stroke (mm x mm)	105 x 135	105 x 135	105 x 135	105 x 135	105 x135	112 x 149	112 x 149	130 x 157	130 x 157	137 x 171
	Compression Ratio (lt.)	16:01	16:01	16:01	16,8:1	15,8:1	16,1:1	16,1:1	16,3:1	16:01	16:01
	Governor Type	Mechanic	Mechanic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
	Aspiration	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler	Turbocharge/Intercooler
	Injection Type	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct
	Cooling System	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled
	Fuel Consumption %100 (lt/h)	33	41	45	51	56	60	66	110	85	95
	Fuel Consumption %75 (lt/h)	25	31	34	38	41	46	49,5	58	65	75
	Fuel Consumption %50 (lt/h)	16	21	23	25	28	32	33	40	46	50
	Oil Capacity	16,5	16,5	21	25	25	41	41	40	40	62
	Cooling Liquid Capacity	21	21	16,5	16	16	33	56	51	51	58
Alternator	Output Voltage (V)	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400	230/400
	Frequency (Hz)	50	50	50	50	50	50	50	50	50	50
	Automatic Voltage Regulation (±)	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5
	Phase	3	3	3	3	3	3	3	3	3	3
	Pole	4	4	4	4	4	4	4	4	4	4
	Overload	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110	1 Hour %110
	Voltage Regulation	±%1	±%1	±%1	±%1	±%1	±%1	±%1	±%1	±%1	±%1
	Power Factor (Cos φ)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
	Warning System	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert	Self Alert
	AVR Model	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460	Sx460
	Total Harmonic Losing	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1	≤%1
	Connection Type (%)	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star
	Protection Class	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
	Isolation Class	H	H	H	H	H	H	H	H	H	H
Dimensions & Weight	W/o cubicle										
	Width (mm)	1100	1100	1100	1200	1200	1200	1200	1200	1600	1600
	Length (mm)	3070	3070	3070	3700	3700	3700	3700	3700	3660	3660
	Height (mm)	1800	1800	1800	2100	2100	2100	2100	2100	2420	2420
	Weight (kg)	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
	Fuel Tank Capacity (lt.)	245	245	245	365	365	365	365	365	830	830
	With Cubicle										
	Width (mm)	1100	1100	1100	1200	1200	1200	1200	1200	1600	1600
	Length (mm)	2770	2770	2770	3000	3000	3000	3000	3000	3660	3660
	Height (mm)	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
	Weight (kg)	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA
	Fuel Tank Capacity (lt.)	245	245	245	446	365	365	365	365	830	830

FED Power Generator – All rights reserved © 2025. Unauthorized reproduction and use are prohibited. | +90 531 646 03 28

Standard and Optional
Engine & Alternator Features

Standard Engine Features

FED Power generator sets feature cutting-edge 4-stroke engine brands that deliver low fuel consumption through integrated fuel pump systems. These engines are cooled by air, water, or oil (depending on diesel cooling type) and include heavy-duty oil, fuel, and air filtration systems designed for tough operating conditions – all supporting peak diesel engine performance. For enhanced protection, these engines incorporate level and limit sensors, while mechanical or electronic governors ensure precise speed control and regulation.

Standard Alternator Features

In FED Power Generator sets, alternators of European origin with all international certifications, or alternators produced under the company's own brand, which may vary according to project-specific requirements, are preferred. Alternators used have successfully passed all testing processes, feature maintenance-free bearing systems, provide precise voltage control with electronic-type voltage regulators, and are four-pole, self-excited (shunt), brushless, with high efficiency and quality.

Optional Motor and Alternator Options

- Fuel-water separator filter
- Oil heater
- Medium voltage alternator
- Alternator output switch
- Alternator with dual AVR and PMG
- Single-phase option
- Alternator winding heaters – moisture preventers


fedpower

OUR SOLUTIONS

Customized Products

Thanks to our strategic partnerships with strong global brands and our widespread, integrated delivery network, we offer diesel generator sets ranging from 10 kVA to 2500 kVA with high speed, quality, and reliability principles throughout all processes–from production to shipment. Thanks to our operational expertise and logistics capabilities, we achieve delivery speeds well above industry standards; even in urgent cases, we provide solutions in minimal time, ensuring uninterrupted support for your projects. Within this scope, with our carefully tested, durable, and long-lasting generator sets, we deliver fast, safe, and sustainable energy solutions to both domestic and international customers.

Our services customized according to your needs

- Special synchronization and control system
- Special monitoring and control systems
- Custom design according to power and noise level
- Custom cabinet painting application
- Custom fuel tank productions
- Custom frequency and voltage generators
- Custom sound insulation
- Custom exhaust systems
- Seismic solutions
- Custom cabin and chassis design according to size requests

Standard Cabin
Features

Optional Cabin
Features

- Custom cabin manufacturing in special sizes, shapes, and colors
- Cabin specially designed according to the specific noise level
- Container
- Hidden exhaust muffler inside the cabin
- Hospital/critical type silencer
- Trailer
- Super silent cabin
- Socket kit

Ultra Silent Generator
Cabin Design

At FED, we are pioneering a new era in generator technology. With our specially developed acoustic cabin technology, designed to European standards, we dramatically minimize the operational noise generated by generators. This innovative system not only reduces noise but also combines high performance with absolute silence.

We understand the unique needs of your projects and offer tailored solutions accordingly. Whether your projects require quiet environments in urban areas or low decibel levels for night operations, FED's system ensures uninterrupted power with minimal noise levels.

- Special adjustable locking systems
- Specially designed silencers adjustable according to decibel levels
- Sound insulation according to European standards
- Use of galvanized metal to prevent rust in chassis manufacturing
- Fire-resistant sound insulation foams
- Cabin lifting point for easy crane loading
- Galvanized metal preventing corrosion
- Ergonomic air intake channels

Special Generator Chassis and Fuel Tank Design

We add the power of durability to your work with generator chassis designed to comply with international standards and to provide high resistance against vibrations and stresses.

In the generator chassis we produce, we offer the following features as standard:

- High-quality steel with enhanced corrosion resistance
- Coated with electrostatic powder paint
- Compliant with standards, minimum 2000 hours resistance to salt spray
- Ergonomic access ensuring easy maintenance and connection of the generator
- Anti-vibration mounts
- Lifting points optimized for transportation
- Chassis-integrated fuel tank (external fuel tank for over 1500 kVA)
- Fuel gauge level
- Fuel drain valve

We provide the following options for special projects:

Double-walled fuel tank	Automatic fuel filling system	Fuel tank heater	Epoxy paint
Waste liquid level sensor	Waste liquid collection pan	Oil drain electric pump	Low and high fuel level alarm
Project-specific fuel tank in custom size, color, and volume		External fuel tank and transfer pump	

SYNCHRONOUS PROJECTS

Synchronization Projects

We design all synchronization system installation processes in collaboration with project owners and our engineering team. We carry out commissioning operations on-site where the generator will be used, either through our expert Singlenik team or our authorized services.

The main advantages of synchronous projects include:

- Fuel saving with flexible use
- Service and maintenance ease
- Reliability
- Low acquisition cost with a low initial investment budget
- Extension of service life with redundant operation and equal aging application

Application Methods

- Continuous power supply to the facility with synchronously operating generators
- Powering the facility with synchronously operating generators as a backup to grid energy
- Parallel operation of the grid with single or synchronous generators
- Seamless transfer system from grid power to a backup generator or between backup generators
- Soft forward-reverse transition with grid, unconditional synchronization, fault-tolerant synchronization, notified synchronization applications

First Start

The initial startup moment of your generator is of critical importance for the device's lifespan and performance efficiency. Therefore, at FED, we carry out the first startup procedure only through our authorized service centers to ensure your generator starts operating smoothly and at peak efficiency. Our expert Singlenik team verifies that all connections are correctly made, fuel and oil levels are ideal, and all safety protocols are fully implemented. With this comprehensive initial startup service, we lay the foundation for your generator to operate at factory output values, with maximum performance and long-term reliability.

Power and Location Determination

During our preliminary survey conducted with our highly specialized team with in-depth sectoral knowledge, we first calculate the energy requirements of the area to be powered. Then, we select the most suitable generator option for our customers from among those capable of meeting this demand. After evaluating whether the generator will be placed in an open or enclosed space, we determine the optimal location criteria to ensure the recommended generator operates at maximum efficiency.

CONTROL PANELS

Digital Control Panels

AMF Panel Features

We use control panels with advanced interfaces to ensure the generator continues to operate efficiently and allows effective intervention in emergencies. Our generators feature control panels covering a power range from 10 kVA to 2500 kVA. Just as with engines, we collaborate with major brands for control panels, preferring products from brands such as DATAKOM, DEEPSEA, and COMAP. The panels that enable communication and ECM operations include the following indicators:

- Generator Voltages
- Frequency (Hz)
- Oil Pressure (Bar)
- Battery Voltage (DC-12/24)
- Current Ampere (kw)
- Temperature (Fc)
- RPM (1500)
- Charge and Voltage Values

ATS Panel Features

Transfer panels that provide automatic switching between grid and generator during power outages are crucial for ensuring uninterrupted power supply in your required capacity. At FED Power Generator, we deliver seamless power using transfer panels ranging from 40-6340 Amperes. For our transfer panels, we prefer branded products from ABB, SIEMENS, and SCHNEIDER.

General Features

- Send E-mail
- GEO Location
- Central Monitoring
- SNMP
- Web Browser
- HD Display
- PLC Connection
- Computer Connection
- GSM/SMS Connection
- GPS Module
- USB/Micro-SD Connection


fedpower

AREAS OF GENERATOR USAGE

Industrial & Manufacturing

- For uninterrupted production in factories
- To operate heavy machinery such as CNC machines, welding machines, and presses
- To maintain the continuity of automation systems

Healthcare Institutions

- To provide uninterrupted energy in hospitals, clinics, health centers, and laboratories
- To operate operating rooms, intensive care units, and medical devices

Commercial Buildings

- To prevent data and business loss in places like plazas, business centers, and bank branches
- To ensure the operation of computer systems, servers, and security systems

Residential Areas

- Used in villas, apartments, and detached houses against power outages
- To operate devices such as smart home systems, boilers, and refrigerators

Construction Sites and Areas

- To supply power to work equipment in areas where electrical infrastructure is not yet complete
- To operate equipment such as cranes, compressors, and concrete mixers

Events and Organizations

- For festivals, concerts, weddings, fairs, and exhibitions
- To power stage lights, sound systems, and food & beverage stands

Emergency & Disaster Zones

- To provide energy during disasters such as earthquakes, floods, and fires
- Mobile power source for fire brigade, civil defense, and healthcare teams

Transportation and Maritime

- As a primary or auxiliary power source for ships, yachts, and trains
- To provide energy support in port loading and unloading areas

Shopping Malls and Markets

- For uninterrupted service in lighting and cooling systems
- Continuous operation of payment systems

Agriculture & Livestock

- For irrigation systems, greenhouses, livestock farms, and milking machines
- To provide continuous energy in regions far from the power grid

AFTER-SALES SERVICES

Periodic Maintenance and Inspection

To ensure your generators continue operating with high performance and efficiency, we prevent potential malfunctions through periodic inspections and maintenance carried out by our authorized service teams. Throughout the warranty period, we assume full responsibility for any possible failures via our authorized service network.

24/7 Emergency Support

At FED Power Generator, our passionate team works 24/7 to find solutions for your power supply challenges. In case of malfunctions or urgent situations, our expert teams provide fast and effective responses to your requests.

Spare Parts

To prevent project interruptions during malfunctions, we promptly resolve issues by sourcing necessary spare parts from our robust inventory. During the warranty period, we provide spare parts free of charge. For generators with expired warranties or those from different brands, our authorized team delivers solutions for spare parts needs.

SOLUTIONS PARTNERS

Moteurs Baudouin
Perkins
上海电气 SHANGHAI ELECTRIC
LEROY SOMER
ABB
DSE
ComAp
DATAKOM
WEICHAI

fedpower

www.fedgenerator.com
+90 0531 646 03 28

İvedik OSB Mahallesi 1363 Sokak No: 29
Yenimahalle - Ankara

THE LIFE OF ENERGY