

POWTECH

FOR A BRIGHT FUTURE



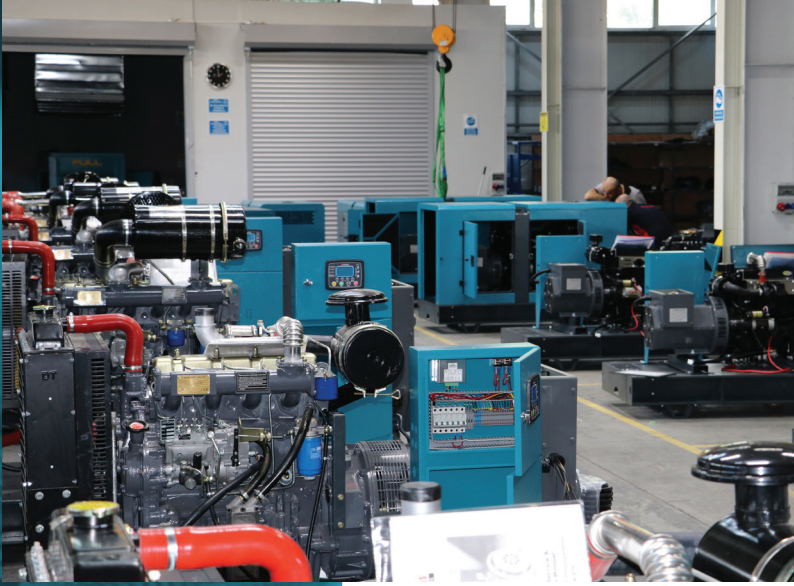
DIESEL GENERATORS

www.powtech.com.tr

POWTECH **GENERATOR** *POWER* *SYSTEMS*

POWTECH

FOR A BRIGHT FUTURE



POWTECH FOR A BRIGHT FUTURE due to its pioneer identity and corporate structure, contributes to the development of industrial production while offering high quality products in Turkey. On the other hand, by producing the **Powtech Generator** the company is intended to benefit to the country's economy, creating more employment opportunities.

With the philosophy of sustainable development and innovation, **Powtech Generator** brand aims to provide continuous energy to people and environment, creating solutions according to the needs of its customers.

Powtech Generator team, being your reliable solution partner anytime anywhere you need power, carries on its activity, responding to the sector's demands.

brand is aware of the importance and the necessity of continuous improvement in the product development, uses the brands of engines and alternators with

FULL POWER FULL QUALITY



POWTECH

FOR A BRIGHT FUTURE

İNDEKS

PP Series Perkins Engine	6
PC Series Cummins Engine	14
PB Series Baudouin Engine	22
PS Series SD Engine	30
PN Series YangDong Engine	36
PR Series Ricardo Engine	40

PP Series

Perkins Engine Gensets



 Perkins®



10 kVA

1125kVA

2500 kVA

SPECIFICATIONS

ENGINE

- PERKINS heavy duty diesel engine
- 12V / 24V starter and charge alternator
- Replaceable air, fuel and oil filters
- Mechanical or electronic governor control
- Tropical type radiator
- Flexible fuel hose
- Oil drain valve and extension hose
- Industrial type silencer and steel compensator
- Maintenance-free starter battery
- Water jacket heater
- 1500 rpm engine speed

ALTERNATOR

- IP23 Protection Standard
- H Insulation Class
- 50 Hz Frequency
- 4 pole brushless synchronous type alternator
- Automatic Voltage Regulator (AVR)
- 400/230V AC Output Voltage - 1500 rpm

SOUND PROOF CANOPY AND CHASSIS

- Convenient design for easy lifting and carrying
- High standard sound proof canopy design
- Modular design with easily removable nuts - bolts
- Lockable doors
- Transparent window for watching Control Panel
- Electrostatic powder painted, providing protection against harsh weather conditions
- Emergency STOP button
- Fuel tank inside the chassis
- Anti-vibration wedges (engine - chassis and chassis – ground)

OPTIONAL

- Thermal magnetic CB (for automatic models)
- Super Silent Canopy
- Mobile Generator Sets
- Automatic fuel filling system
- Synchronization panel
- 3 Pole and 4 Pole ATS (Automatic Transfer Switch)
- Fuel Heater, Oil Heater
- External fuel tank and automatic fuel filling system
- Fuel - water separator filter
- Remote monitoring and control system

MODEL			PP 10	PP 17	PP 22	PP 33	PP 50	
GROUP	Stand By	kVA	10	17	22	33	50	
		kW	8	13.6	17.6	26.4	40	
		Prime	kVA	9.1	15.4	20	30	45
			kW	7.2	12.3	16	24	36
	Rated Current	A	13.1	22.1	28.8	43.2	65	
ENGINE	Engine		PERKINS					
	Engine Model		403A-11G	403A-15G2	404A-22G1	1103A-33G	1103A-33TG1	
	Number of Cylinders		3 Inline		4 Inline	3 Inline		
	Injection System		Indirect			Direct	Direct	
	Compression Ratio		23 : 1	22.5 : 1	23.3 : 1	19.25 : 1	17.3 : 1	
	Bore	mm	77	84	84	105	105	
	Stroke	mm	81	90	100	127	127	
	Displacement	lt	1.1	1.49	2.21	3.3	3.3	
	Air Intake		Naturally Aspirated	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated	Turbocharge	
	Speed (RPM)	rpm	1500					
	Oil Capacity	lt	5	6	10.6	8.3	7.9	
	Standby Power	kW / hp	9.5 / 12.9	15 / 20.4	20.6 / 27.8	31 / 42.1	45.6 / 61.6	
	Prime Power	kW / hp	8.6 / 11.7	14 / 19	18.7 / 25.2	28.2 / 38.3	41.3 / 56	
	Fuel Type		Euro Diesel					
	Governor System		Mechanical					
	Cooling System		Water Cooling					
	Coolant Capacity	lt	5.5	6	7	10.2	10.2	
	Fuel Consumption (lt / h)	Full Load	3	4.3	5.3	7.2	10.8	
		75% Load	2.3	3.1	4	5.6	8.2	
		50% Load	1.7	2.24	2.9	4	5.8	
ALTERNATOR	Frequency	Hz	50					
	Power	kVA	12	17.7	22	33	50	
	Voltage	V	400					
	Number of Phases		3					
	Voltage Regulation		±1%					
	Insulation Class		H					
	Protection Standard		IP23					
	Power Factor	Cos	0.8					
DIMENSIONS	Weight Silent (Open)	kg	595 (465)	655 (525)	720 (590)	980 (825)	1100 (940)	
	Width Silent (Open)	mm	700 (900)	900 (900)	900 (900)	900 (900)	950 (950)	
	Length Silent (Open)	mm	1250 (1250)	2000 (1650)	2000 (1650)	2200 (1850)	2300 (1900)	
	Height Silent (Open)	mm	1165 (1350)	1200 (1400)	1200 (1400)	1350 (1500)	1400 (1600)	
	Fuel Tank Capacity	lt	28	115	115	125	140	

MODEL			PP 66	PP 72	PP 88	PP 110	PP 150	
GROUP	Stand By	kVA	66	72	88	110	150	
		kW	52.8	57.6	70.4	88	120	
	Prime	kVA	60	65.4	80	100	136	
		kW	48	52.3	64	80	110	
	Rated Current	A	86.4	94	115.2	144	195	
ENGINE	Engine		PERKINS					
	Engine Model		1103A-33TG2	1104A-44TG1	1104A-44TG2	1104C-44TAG2	1106A-70TG1	
	Number of Cylinders		3 Inline	4 Inline			6 Inline	
	Injection System		Direct					
	Compression Ratio		17.25 : 1	17.25 : 1	17.25 : 1	18.2 : 1	18.2 : 1	
	Bore	mm	105					
	Stroke	mm	127	127	127	127	135	
	Displacement	lt	3.3	4.4	4.4	4.4	7.1	
	Air Intake		Turbocharge & Air To Air Cooled					Turbocharge
	Speed (RPM)	rpm	1500					
	Oil Capacity	lt	8	8	8	8	18	
	Standby Power	kW / hp	60.5 / 82	65.6 / 88.5	80.7 / 109.8	103 / 138	135.8 / 183.5	
	Prime Power	kW / hp	55 / 74	59.6 / 80.5	73.4 / 99.8	93.6 / 125.5	122.7 / 166	
	Fuel Type		Euro Diesel					
	Governor System		Mechanical					
	Cooling System		Water Cooling					
	Coolant Capacity	lt	10.2	13	13	13	22	
Fuel Consumption (lt / h)	Full Load	14	14.6	18.5	22	30.1		
	75% Load	10.4	11	14.2	16.9	21.9		
	50% Load	7.2	8	9.8	11.1	15.2		
ALTERNATOR	Frequency	Hz	50					
	Power	kVA	66	74	88	110	150	
	Voltage	V	400					
	Number of Phases		3					
	Voltage Regulation		±1%					
	Insulation Class		H					
	Protection Standard		IP23					
Power Factor	Cos	0.8						
DIMENSIONS	Weight Silent (Open)	kg	1200 (1030)	1280 (1100)	1350 (1160)	1480 (1290)	1890 (1650)	
	Width Silent (Open)	mm	1000 (1000)	1000 (1000)	1000 (1000)	1000 (1000)	1000 (1000)	
	Length Silent (Open)	mm	2400 (2000)	2400 (2000)	2800 (2350)	2800 (2350)	3150 (2550)	
	Height Silent (Open)	mm	1500 (1700)	1500 (1700)	1500 (1750)	1500 (1750)	1700 (1850)	
	Fuel Tank Capacity	lt	170	170	195	195	220	

MODEL			PP 165	PP 200	PP 220	PP 250	PP 275
GROUP	Stand By	kVA	165	200	220	250	275
		kW	132	160	176	200	220
	Prime	kVA	150	182	200	227	250
		kW	120	145	160	182	200
	Rated Current	A	216	262	288	327	360
ENGINE	Engine		PERKINS				
	Engine Model		1106A-70TAG2	1106A-70TAG3	1106A-70TAG4	1206A-E70TTAG2	1206A-E70TTAG3
	Number of Cylinders		6 Inline				
	Injection System		Direct				
	Compression Ratio		18.2 : 1	16 : 1	16 : 1	15.8 : 1	15.8 : 1
	Bore	mm	105	105	105	105	105
	Stroke	mm	135	135	135	135	135
	Displacement	lt	7.1	7.1	7.1	7.1	7.1
	Air Intake		Turbocharged & Air Charge Cooled			Turbocharged Aftercooled	
	Speed (RPM)	rpm	1500				
	Oil Capacity	lt	18	16.5	18	16.5	16.5
	Standby Power	kW / hp	149.1 / 202	180.2 / 243.5	196.3 / 265	226 / 303	248 / 333
	Prime Power	kW / hp	136 / 184	162.7 / 220	178.9 / 242	204 / 273	226 / 303
	Fuel Type		Euro Diesel				
	Governor System		Mechanical		Electronic		
	Cooling System		Water Cooling				
	Coolant Capacity	lt	22	22	22	25	30
	Fuel Consumption (lt / h)	Full Load	33.2	41.5	45.8	50.6	57
		75% Load	24.5	31.8	34.7	37.9	41.5
		50% Load	16.2	20.2	23.1	25.2	28.1
ALTERNATOR	Frequency	Hz	50				
	Power	kVA	178	200	220	262	275
	Voltage	V	400				
	Number of Phases		3				
	Voltage Regulation		±1%				
	Insulation Class		H				
	Protection Standard		IP23				
Power Factor	Cos	0.8					
DIMENSIONS	Weight Silent (Open)	kg	1950 (1710)	2190 (1850)	2220 (1890)	2500 (2070)	2790 (2360)
	Width Silent (Open)	mm	1000 (1000)	1000 (1000)	1000 (1000)	1200 (1200)	1200 (1200)
	Length Silent (Open)	mm	3150 (2550)	3150 (2550)	3150 (2550)	3500 (2900)	3500 (2900)
	Height Silent (Open)	mm	1700 (1850)	1700 (1850)	1700 (1850)	1850 (2100)	1850 (2100)
	Fuel Tank Capacity	lt	220	220	220	360	360

MODEL			PP 300	PP 330	PP 400	PP 450	PP 500	
GROUP	Stand By	kVA	300	330	400	450	500	
		kW	240	264	320	360	400	
		Prime	kVA	272.7	300	363.6	410	454
			kW	218	240	290	327	363
	Rated Current	A	393	432	523.5	590	653	
ENGINE	Engine		PERKINS					
	Engine Model		1506A-E88TAG4	1506A-E88TAG5	2206A-E13TAG2	2206A-E13TAG3	2506A-E15TAG1	
	Number of Cylinders		6 Inline					
	Injection System		Direct					
	Compression Ratio		16.1 : 1	16.1 : 1	16.3 : 1	16.3 : 1	16.0 : 1	
	Bore	mm	112	112	130	130	137	
	Stroke	mm	149	149	157	157	171	
	Displacement	lt	8.8	8.8	13	13	15.2	
	Air Intake		Turbocharged & Air Charge Cooled		Turbocharged & Air-to-Air Charge Cooled			
	Speed (RPM)	rpm	1500					
	Oil Capacity	lt	41	41	41	43	62	
	Standby Power	kW / hp	258 / 347	293 / 396	350 / 469	392 / 526	434 / 590	
	Prime Power	kW / hp	236 / 318	266 / 360	305 / 409	350 / 468	395 / 537	
	Fuel Type		Euro Diesel					
	Governor System		Electronic					
	Cooling System		Water Cooling					
	Coolant Capacity	lt	30	30	52	52	58	
	Fuel Consumption (lt / h)	Full Load	60.7	65	70.5	81	95	
		75% Load	43.5	48.2	54	62	72	
		50% Load	29.1	33	35	42	50	
ALTERNATOR	Frequency	Hz	50					
	Power	kVA	330	330	400	450	510	
	Voltage	V	400					
	Number of Phases		3					
	Voltage Regulation		±1%					
	Insulation Class		H					
	Protection Standard		IP23					
Power Factor	Cos	0.8						
DIMENSIONS	Weight Silent (Open)	kg	3275 (2845)	3320 (2890)	4100 (3550)	4100 (3550)	4600 (3960)	
	Width Silent (Open)	mm	1200 (1200)	1200 (1200)	1600 (1600)	1600 (1600)	1600 (1600)	
	Length Silent (Open)	mm	3900 (3275)	3900 (3275)	4600 (3900)	4600 (3900)	5000 (4500)	
	Height Silent (Open)	mm	2050 (2250)	2050 (2250)	2500 (2850)	2500 (2850)	2600 (2900)	
	Fuel Tank Capacity	lt	520	520	1100	1100	1200	

MODEL			PP 550	PP 660	PP 725	PP 780	PP 850	
GROUP	Stand By	kVA	550	660	725	780	850	
		kW	440	528	580	624	680	
		Prime	kVA	500	600	660	709	772
			kW	400	480	528	567	618
	Rated Current		A	720	864	950	1020	1110
ENGINE	Engine		PERKINS					
	Engine Model		2506A-E15TAG2	2806A-E18TAG1A	2806A-E18TAG2	2806A-E18TTAG4	2806A-E18TTAG5	
	Number of Cylinders		6 Inline					
	Injection System		Direct					
	Compression Ratio		16.0 : 1	14.5 : 1	14.5 : 1	14 : 1	14 : 1	
	Bore	mm	137	145	145	145	145	
	Stroke	mm	171	183	183	183	183	
	Displacement	lt	15.2	18.1	18.1	18.1	18.1	
	Air Intake		Turbocharged & Air-to-Air Charge Cooled					
	Speed (RPM)	rpm	1500					
	Oil Capacity	lt	62	62	62	72	72	
	Standby Power	kW / hp	478 / 650	574 / 780	609 / 817	685 / 919	743 / 996	
	Prime Power	kW / hp	434 / 590	521 / 708	553 / 741	623 / 835	676 / 907	
	Fuel Type		Euro Diesel					
	Governor System		Electronic					
	Cooling System		Water Cooling					
	Coolant Capacity	lt	58	61	61	110	110	
	Fuel Consumption (lt / h)	Full Load	100	123	132	147	159	
		75% Load	76	90	97	109	115.8	
50% Load		53	61	66	75	78		
ALTERNATOR	Frequency	Hz	50					
	Power	kVA	578	660	715	792	840	
	Voltage	V	400					
	Number of Phases		3					
	Voltage Regulation		±1%					
	Insulation Class		H					
	Protection Standard		IP23					
Power Factor	Cos	0.8						
DIMENSIONS	Weight Silent (Open)	kg	4675 (4035)	5600 (4800)	5650 (4850)	7100 (5800)	7100 (5800)	
	Width Silent (Open)	mm	1600 (1600)	1900 (1900)	1900 (1900)	2000 (2000)	2000 (2000)	
	Length Silent (Open)	mm	5000 (4500)	4500 (3850)	4500 (3850)	5500 (5000)	5500 (5000)	
	Height Silent (Open)	mm	2600 (2900)	2550 (2900)	2550 (2900)	3000 (3400)	3000 (3400)	
	Fuel Tank Capacity	lt	1200	1300	1300	1400	1400	

MODEL			PP 900	PP 1000	PP 1125	
GROUP	Stand By	kVA	900	1000	1125	
		kW	720	800	900	
		Prime	kVA	818	910	1022
			kW	655	728	817
	Rated Current	A	1178	1310	1470	
ENGINE	Engine		PERKINS			
	Engine Model		4006-23TAG3A	4008TAG1A	4008TAG2A	
	Number of Cylinders		6 Inline	8 Inline		
	Injection System		Direct			
	Compression Ratio		13.6 : 1	13.6 : 1	13.6 : 1	
	Bore	mm	160	160	160	
	Stroke	mm	190	190	190	
	Displacement	lt	22.9	30.56	30.56	
	Air Intake		Turbocharged & Air-to-Air Charge Cooled			
	Speed (RPM)	rpm	1500			
	Oil Capacity	lt	114	153	153	
	Standby Power	kW / hp	760 / 1019	839 / 1141	958 / 1283	
	Prime Power	kW / hp	679 / 910	762 / 1036	871 / 1167	
	Fuel Type		Euro Diesel			
	Governor System		Electronic			
	Cooling System		Water Cooling			
	Coolant Capacity	lt	105	150	150	
Fuel Consumption (lt / h)	Full Load	172	194	215		
	75% Load	130	142	162		
	50% Load	90	97	111		
ALTERNATOR	Frequency	Hz	50			
	Power	kVA	958	1055	1200	
	Voltage	V	400			
	Number of Phases		3			
	Voltage Regulation		±1%			
	Insulation Class		H			
	Protection Standard		IP23			
Power Factor	Cos	0.8				
DIMENSIONS	Weight Silent (Open)	kg	7300 (6000)	9950 (8150)	9950 (8150)	
	Width Silent (Open)	mm	2000 (2000)	2300 (2300)	2300 (2300)	
	Length Silent (Open)	mm	5500 (5000)	6000 (5000)	6000 (5000)	
	Height Silent (Open)	mm	3385 (3385)	3385 (3385)	3385 (3385)	
	Fuel Tank Capacity	lt	1400	1550	1550	

PC Series

Cummins Engine Gensets



15 kVA

30 kVA

1000 kVA

2500 kVA

SPECIFICATIONS

ENGINE

- CUMMINS heavy duty diesel engine
- 12V / 24V starter and charge alternator
- Replaceable air, fuel and oil filters
- Mechanical or electronic governor control
- Tropical type radiator
- Flexible fuel hose
- Oil drain valve and extension hose
- Industrial type silencer and steel compensator
- Maintenance-free starter battery
- Water jacket heater
- 1500 rpm engine speed

ALTERNATOR

- IP23 Protection Standard
- H Insulation Class
- 50 Hz Frequency
- 4 pole brushless synchronous type alternator
- Automatic Voltage Regulator (AVR)
- 400/230V AC Output Voltage - 1500 rpm

SOUND PROOF CANOPY AND CHASSIS

- Convenient design for easy lifting and carrying
- High standard sound proof canopy design
- Modular design with easily removable nuts - bolts
- Lockable doors
- Transparent window for watching Control Panel
- Electrostatic powder painted, providing protection against harsh weather conditions
- Emergency STOP button
- Fuel tank inside the chassis
- Anti-vibration wedges (engine - chassis and chassis – ground)

OPTIONAL

- Thermal magnetic CB (for automatic models)
- Super Silent Canopy
- Mobile Generator Sets
- Automatic fuel filling system
- Synchronization panel
- 3 Pole and 4 Pole ATS (Automatic Transfer Switch)
- Fuel Heater, Oil Heater
- External fuel tank and automatic fuel filling system
- Fuel - water separator filter
- Remote monitoring and control system

MODEL			PC 30	PC 44	PC 63	PC 88
GROUP	Stand By	kVA	30	44	63	88
		kW	24	35.2	50.4	70.4
	Prime	kVA	27.2	40	57.2	80
		kW	21.8	32	45.8	64
	Rated Current	A	39.2	57.6	82.3	115
ENGINE	Engine		CUMMINS			
	Engine Model		4B3.9-G1	4BT3.9-G1	4BTA3.9-G2	4BTA3.9-G11
	Number of Cylinders		4 Inline			
	Injection System		Direct			
	Compression Ratio		17.3 : 1			
	Bore	mm	102	102	102	102
	Stroke	mm	120	120	120	120
	Displacement	lt	3.9	3.9	3.9	3.9
	Air Intake		Naturally Aspirated	Turbocharged	Turbocharged & Aftercooled	
	Speed (RPM)	rpm	1500			
	Oil Capacity	lt	10.9	10.9	10.9	10.9
	Standby Power	kW / hp	27 / 36	40 / 54	64 / 86	80 / 107
	Prime Power	kW / hp	24 / 32	36 / 48	58 / 78	70 / 93
	Fuel Type		Euro Diesel			
	Governor System		Mechanical	Mechanical	Electronic	Electronic
	Cooling System		Water Cooling			
	Coolant Capacity	lt	8.3	8.3	8.3	8.3
	Fuel Consumption (lt / h)	Full Load	7.1	10	15	17.6
75% Load		5.7	7.9	11	13.2	
50% Load		4.3	5.9	8	9.1	
ALTERNATOR	Frequency	Hz	50			
	Power	kVA	30	44	63	88
	Voltage	V	400			
	Number of Phases		3			
	Voltage Regulation		±1%			
	Insulation Class		H			
	Protection Standard		IP23			
Power Factor	Cos	0.8				
DIMENSIONS	Weight Silent (Open)	kg	880 (725)	1050 (890)	1160 (970)	1270 (1076)
	Width Silent (Open)	mm	950 (950)	950 (950)	1000 (1000)	1000 (1000)
	Length Silent (Open)	mm	2300 (1900)	2300 (1900)	2400 (2000)	2800 (2350)
	Height Silent (Open)	mm	1400 (1600)	1400 (1600)	1500 (1600)	1500 (1750)
	Fuel Tank Capacity	lt	140	140	170	195

MODEL			PC 110	PC 150	PC 175	PC 200
GROUP	Stand By	kVA	110	150	175	200
		kW	88	120	140	160
	Prime	kVA	100	136	159	182
		kW	80	109	127.2	145.4
Rated Current		A	144	196	229	262
ENGINE	Engine		CUMMINS			
	Engine Model		6BT5.9-G2	6BTAA5.9-G2	6BTAA5.9-G12	6CTA8.3-G2
	Number of Cylinders		6 Inline			
	Injection System		Direct			
	Compression Ratio		17.3 : 1			
	Bore	mm	102	102	102	114
	Stroke	mm	120	120	120	135
	Displacement	lt	5.9	5.9	5.9	8.3
	Air Intake		Turbocharged	Turbocharged & Charge Air Cooled		Turbocharged & Aftercooled
	Speed (RPM)	rpm	1500			
	Oil Capacity	lt	16.4	16.4	16.4	27.6
	Standby Power	kW / hp	92 / 123	130 / 174	155 / 207	180 / 241
	Prime Power	kW / hp	86 / 115	120 / 161	140 / 187	163 / 218
	Fuel Type		Euro Diesel			
	Governor System		Electronic			
	Cooling System		Water Cooling			
	Coolant Capacity	lt	7.9	10	10	12.3
	Fuel Consumption (lt / h)	Full Load	22.3	30	34	44
		75% Load	16.9	23	26	33
		50% Load	11.3	16	17	23
ALTERNATOR	Frequency	Hz	50			
	Power	kVA	110	150	175	200
	Voltage	V	400			
	Number of Phases		3			
	Voltage Regulation		±1%			
	Insulation Class		H			
	Protection Standard		IP23			
Power Factor	Cos	0.8				
DIMENSIONS	Weight Silent (Open)	kg	1375 (1181)	1550 (1311)	1595 (1356)	1810 (1470)
	Width Silent (Open)	mm	1000 (1000)	1000 (1000)	1000 (1000)	1000 (1000)
	Length Silent (Open)	mm	2800 (2350)	3150 (2550)	3150 (2550)	3150 (2550)
	Height Silent (Open)	mm	1500 (1750)	1700 (1850)	1700 (1850)	1700 (1850)
	Fuel Tank Capacity	lt	195	220	220	220

MODEL			PC 220	PC 250	PC 275	PC 325	
GROUP	Stand By	kVA	220	250	275	325	
		kW	176	200	220	260	
	Prime	kVA	200	227	250	295	
		kW	160	182	200	237	
Rated Current		A	288	327	360	425	
ENGINE	Engine		CUMMINS				
	Engine Model		6CTAA8.3-G2	6LTAA8.9-G2	6LTAA8.9-G3	NTA855-G1A	
	Number of Cylinders		6 Inline				
	Injection System		Direct				
	Compression Ratio		18.0 : 1	16.6 : 1	16.6 : 1	14.5 : 1	
	Bore		mm	114	114	114	140
	Stroke		mm	135	145	145	152
	Displacement		lt	8.3	8.9	8.9	14
	Air Intake			Turbocharged Air Aftercooled	Turbocharged and Charge Air Cooled		Turbocharged Aftercooled
	Speed (RPM)		rpm	1500			
	Oil Capacity		lt	23.8	30	34	36
	Standby Power		kW / hp	203 / 272	250 / 325	250 / 335	291 / 390
	Prime Power		kW / hp	183 / 245	230 / 308	230 / 308	264 / 355
	Fuel Type			Euro Diesel			
	Governor System			Electronic			
	Cooling System			Water Cooling			
	Coolant Capacity		lt	12.3	11.1	35	35
Fuel Consumption (lt / h)		Full Load	45	54	54	61.3	
		75% Load	34	41	41	46.1	
		50% Load	23	30	30	31.4	
ALTERNATOR	Frequency		Hz	50			
	Power		kVA	220	250	275	325
	Voltage		V	400			
	Number of Phases			3			
	Voltage Regulation			±1%			
	Insulation Class			H			
	Protection Standard			IP23			
Power Factor		Cos	0.8				
DIMENSIONS	Weight Silent (Open)		kg	2190 (1850)	2198 (1858)	2780 (2440)	3385 (2955)
	Width Silent (Open)		mm	1200 (1200)	1200 (1200)	1200 (1200)	1200 (1200)
	Length Silent (Open)		mm	3500 (2900)	3500 (2900)	3500 (2900)	3900 (3275)
	Height Silent (Open)		mm	1850 (2100)	1850 (2100)	1850 (2100)	2050 (2250)
	Fuel Tank Capacity		lt	360	360	360	520

MODEL			PC 350	PC 385	PC 420	PC 450
GROUP	Stand By	kVA	350	385	420	450
		kW	280	308	336	360
	Prime	kVA	318	350	382	409
		kW	255	280	306	327
	Rated Current	A	458	505	550	588
ENGINE	Engine		CUMMINS			
	Engine Model		NTA855-G1B	NTA855-G2A	NTAA855-G7	NTAA855-G7A
	Number of Cylinders		6 Inline			
	Injection System		Direct			
	Compression Ratio		14 : 1	14 : 1	14 : 1	14 : 1
	Bore	mm	140	140	140	140
	Stroke	mm	152	152	152	152
	Displacement	lt	14	14	14	14
	Air Intake		Turbocharged & Aftercooled		Turbocharged & Air Cooled	Turbocharged & Air cooled
	Speed (RPM)	rpm	1500			
	Oil Capacity	lt	39	39	39	38.6
	Standby Power	kW / hp	321 / 430	343 / 460	377 / 505	407 / 545
	Prime Power	kW / hp	284 / 380	312 / 418	343 / 460	370 / 500
	Fuel Type		Euro Diesel			
	Governor System		Electronic	Mechanical	Electronic	Electronic
	Cooling System		Water Cooling			
	Coolant Capacity	lt	50	55	55	60
	Fuel Consumption (lt / h)	Full Load	61.2	71.9	89.2	89.2
75% Load		44.9	54.9	67.8	67.8	
50% Load		27.6	38.9	47.5	47.5	
ALTERNATOR	Frequency	Hz	50			
	Power	kVA	350	385	420	440
	Voltage	V	400			
	Number of Phases		3			
	Voltage Regulation		±1%			
	Insulation Class		H			
	Protection Standard		IP23			
Power Factor	Cos	0.8				
DIMENSIONS	Weight Silent (Open)	kg	3190 (2760)	3585 (3095)	3765 (3275)	3765 (3290)
	Width Silent (Open)	mm	1200 (1200)	1200 (1200)	1500 (1500)	1500 (1500)
	Length Silent (Open)	mm	3900 (3275)	3900 (3275)	4000 (3300)	4000 (3300)
	Height Silent (Open)	mm	2050 (2250)	2050 (2250)	2200 (2500)	2200 (2500)
	Fuel Tank Capacity	lt	520	520	630	630

MODEL			PC 500	PC 550	PC 650	PC 690	
GROUP	Stand By	kVA	500	550	650	690	
		kW	400	440	520	552	
		Prime	kVA	454	500	590	630
			kW	363	400	472	505
	Rated Current	A	653	720	849	910	
ENGINE	Engine		CUMMINS				
	Engine Model		QSZ13-G3	KTA19-G3A	KTAA19-G6	KTAA19-G6A	
	Number of Cylinders		6 Inline				
	Injection System		Direct				
	Compression Ratio		17 : 1	13.9 : 1	13 : 1	13 : 1	
	Bore	mm	130	159	159	159	
	Stroke	mm	163	159	159	159	
	Displacement	lt	13	19	19	19	
	Air Intake		Turbocharged & Air cooled	Turbocharged & Intercooled	Turbocharged & Aftercooled		
	Speed (RPM)	rpm	1500				
	Oil Capacity	lt	40	38	38	38	
	Standby Power	kW / hp	470 / 629	504 / 675	570 / 770	610 / 825	
	Prime Power	kW / hp	450 / 603	448 / 600	518 / 700	554 / 750	
	Fuel Type		Euro Diesel				
	Governor System		Electronic				
	Cooling System		Water Cooling				
	Coolant Capacity	lt	60	75	75	75	
	Fuel Consumption (lt / h)	Full Load	101	107	140	148.3	
		75% Load	74.2	82.3	104.9	112.7	
		50% Load	49	56.4	74.5	76.4	
ALTERNATOR	Frequency	Hz	50				
	Power	kVA	495	550	660	690	
	Voltage	V	400				
	Number of Phases		3				
	Voltage Regulation		±1%				
	Insulation Class		H				
	Protection Standard		IP23				
Power Factor	Cos	0.8					
DIMENSIONS	Weight Silent (Open)	kg	4100 (3625)	5085 (4410)	5190 (4510)	5200 (4530)	
	Width Silent (Open)	mm	1600 (1600)	1600 (1600)	1600 (1600)	1700 (1700)	
	Length Silent (Open)	mm	4600 (3900)	4600 (3900)	4600 (3900)	4700 (4000)	
	Height Silent (Open)	mm	2500 (2900)	2500 (2900)	2500 (2900)	2500 (2900)	
	Fuel Tank Capacity	lt	1100	1100	1100	1450	

MODEL			PC 750	PC 790	PC 825	PC 900	PC 1000	
GROUP	Stand By	kVA	750	790	825	900	1000	
		kW	600	632	660	720	800	
		Prime	kVA	681	718	750	818	909
			kW	545	574	600	654	727
	Rated Current	A	980	1033	1080	1177	1308	
ENGINE	Engine		CUMMINS					
	Engine Model		QSK19-G11	KTA38-G1	KTA38-G2	KTA38-G2B	KTA38-G2A	
	Number of Cylinders		6 Inline	V-12				
	Injection System		Direct					
	Compression Ratio		15 : 1	14.5 : 1	14.5 : 1	14.5 : 1	14.5 : 1	
	Bore	mm	159	159	159	159	159	
	Stroke	mm	159	159	159	159	159	
	Displacement	lt	19	38	38	38	38	
	Air Intake		Turbocharged & Aftercooled	Turbocharged & Aftercooled				
	Speed (RPM)	rpm	1500					
	Oil Capacity	lt	80	135	135	135	135	
	Standby Power	kW / hp	667 / 894	701 / 953	731 / 980	789 / 1057	895 / 1199	
	Prime Power	kW / hp	606 / 813	634 / 862	664 / 890	711 / 953	813 / 1089	
	Fuel Type		Euro Diesel					
	Governor System		Electronic					
	Cooling System		Water Cooling					
	Coolant Capacity	lt	42	350	350	350	350	
	Fuel Consumption (lt / h)	Full Load	153	160	167	176.9	202.3	
75% Load		116	123	128	133.3	153.7		
50% Load		83	87	90	91.3	103.1		
ALTERNATOR	Frequency	Hz	50					
	Power	kVA	755	790	840	958	1055	
	Voltage	V	400					
	Number of Phases		3					
	Voltage Regulation		±1%					
	Insulation Class		H					
	Protection Standard		IP23					
Power Factor	Cos	0.8						
DIMENSIONS	Weight Silent (Open)	kg	5750 (4900)	9200 (8050)	9250 (8100)	9300 (8150)	9350 (8200)	
	Width Silent (Open)	mm	1900 (1900)	2200 (2200)	2200 (2200)	2200 (2200)	2200 (2200)	
	Length Silent (Open)	mm	4800 (4150)	6200 (5700)	6200 (5700)	6200 (5700)	6200 (5700)	
	Height Silent (Open)	mm	2700 (3150)	2800 (3200)	2800 (3200)	2800 (3200)	2800 (3200)	
	Fuel Tank Capacity	lt	1350	1500	1600	1600	1600	

PB Series

Baudouin Engine Gensets



 **MOTEURS**
Baudouin



10 kVA

1250 kVA

2500 kVA

SPECIFICATIONS

ENGINE

- Baudouin heavy duty diesel engine
- 12V / 24V starter and charge alternator
- Replaceable air, fuel and oil filters
- Mechanical or electronic governor control
- Tropical type radiator
- Flexible fuel hose
- Oil drain valve and extension hose
- Industrial type silencer and steel compensator
- Maintenance-free starter battery
- Water jacket heater
- 1500 rpm engine speed

ALTERNATOR

- IP23 Protection Standard
- H Insulation Class
- 50 Hz Frequency
- 4 pole brushless synchronous type alternator
- Automatic Voltage Regulator (AVR)
- 400/230V AC Output Voltage - 1500 rpm

SOUND PROOF CANOPY AND CHASSIS

- Convenient design for easy lifting and carrying
- High standard sound proof canopy design
- Modular design with easily removable nuts - bolts
- Lockable doors
- Transparent window for watching Control Panel
- Electrostatic powder painted, providing protection against harsh weather conditions
- Emergency STOP button
- Fuel tank inside the chassis
- Anti-vibration wedges (engine - chassis and chassis – ground)

OPTIONAL

- Thermal magnetic CB (for automatic models)
- Super Silent Canopy
- Mobile Generator Sets
- Automatic fuel filling system
- Synchronization panel
- 3 Pole and 4 Pole ATS (Automatic Transfer Switch)
- Fuel Heater, Oil Heater
- External fuel tank and automatic fuel filling system
- Fuel - water separator filter
- Remote monitoring and control system

MODEL			PB 20	PB 25	PB 35	PB 44	PB 50
GROUP	Stand By	kVA	20	25	35	44	50
		kW	16	20	28	35	40
	Prime	kVA	18	22.5	31.8	40	45
		kW	14	18	25	32	36
	Rated Current	A	25.9	32.4	45	57.6	64.8
ENGINE	Engine		BAUDOQUIN				
	Engine Model		4M06G20-5	4M06G25-5	4M06G35-5	4M06G44-5	4M06G50-5
	Number of Cylinders		4 Inline				
	Injection System		Direct				
	Compression Ratio		17.5 : 1	17.5 : 1	17.5 : 1	17.5 : 1	17.5 : 1
	Bore	mm	89	89	89	89	89
	Stroke	mm	92	92	92	92	92
	Displacement	lt	2.3	2.3	2.3	2.3	2.3
	Air Intake		Naturally Aspirated		Turbocharged		Turbocharge & Aftercooler
	Speed (RPM)	rpm	1500				
	Oil Capacity	lt	9.5	9.5	9.5	9.6	9.6
	Standby Power	kW / hp	20 / 26.8	25 / 33.5	33 / 44	41 / 55	48 / 64
	Prime Power	kW / hp	18 / 24	23 / 30.8	30 / 40	37 / 49.5	44 / 59
	Fuel Type		Euro Diesel				
	Governor System		Electronic				
	Cooling System		Water Cooling				
	Coolant Capacity	lt	16	16	16	16	16
Fuel Consumption (lt / h)	Full Load	4.8	6.2	7.6	9.3	10.7	
	75% Load	3.7	4.5	5.4	6.8	7.8	
	50% Load	2.6	3.2	4.1	4.6	5.4	
ALTERNATOR	Frequency	Hz	50				
	Power	kVA	25	25	35	44	55
	Voltage	V	400				
	Number of Phases		3				
	Voltage Regulation		±1%				
	Insulation Class		H				
	Protection Standard		IP23				
Power Factor	Cos	0.8					
DIMENSIONS	Weight Silent (Open)	kg	790 (658)	790 (658)	860 (725)	950 (770)	1040 (840)
	Width Silent (Open)	mm	900 (900)	900 (900)	900 (900)	950 (950)	1000 (1000)
	Length Silent (Open)	mm	2000 (1650)	2000 (1650)	2200 (1850)	2300 (1900)	2400 (2000)
	Height Silent (Open)	mm	1200 (1400)	1200 (1400)	1350 (1500)	1400 (1600)	1500 (1700)
	Fuel Tank Capacity	lt	115	115	125	140	170

MODEL			PB 55	PB 72	PB 88	PB 110	PB 150	
GROUP	Stand By	kVA	55	72	88	110	150	
		kW	44	57	70	88	120	
		Prime	kVA	50	65	80	100	136
			kW	40	52	64	80	109
	Rated Current	A	72	93.6	115	144	195	
ENGINE	Engine		BAUDOUIIN					
	Engine Model		4M06G55-5	4M10G70-5	4M10G88-5	4M10G110-5	6M11G150-5	
	Number of Cylinders		4 Inline				6 Inline	
	Injection System		Direct					
	Compression Ratio		17.5 : 1	17.5 : 1	17.5 : 1	17.5 : 1	18 : 1	
	Bore	mm	89	105	105	105	105	
	Stroke	mm	92	118	118	118	130	
	Displacement	lt	2.3	4.1	4.1	4.1	6.75	
	Air Intake		Turbocharge & Aftercooler	Turbocharged		Turbocharge & Aftercooled		
	Speed (RPM)	rpm	1500					
	Oil Capacity	lt	9.6	14	14	14	17	
	Standby Power	kW / hp	53 / 71	66 / 88.5	80 / 107.3	100 / 134	140 / 187	
	Prime Power	kW / hp	48 / 64	60 / 80.5	72 / 96.6	90 / 120.7	128 / 171	
	Fuel Type		Euro Diesel					
	Governor System		ECU	Electronic				
	Cooling System		Water Cooling					
	Coolant Capacity	lt	16	18	18	18	20	
	Fuel Consumption (lt / h)	Full Load	11.9	15	18.8	21.3	30.2	
75% Load		8.8	11.1	13.5	16	23		
50% Load		6.2	7.74	9.1	11	15.9		
ALTERNATOR	Frequency	Hz	50					
	Power	kVA	55	74	88	112	152	
	Voltage	V	400					
	Number of Phases		3					
	Voltage Regulation		±1%					
	Insulation Class		H					
	Protection Standard		IP23					
Power Factor	Cos	0.8						
DIMENSIONS	Weight Silent (Open)	kg	1050 (850)	1300 (1110)	1325 (1132)	1520 (1260)	1995 (1735)	
	Width Silent (Open)	mm	1000 (1000)	1000 (1000)	1000 (1000)	1000 (1000)	1000 (1000)	
	Length Silent (Open)	mm	2400 (2000)	2800 (2350)	2800 (2350)	3150 (2550)	3150 (2550)	
	Height Silent (Open)	mm	1500 (1700)	1500 (1750)	1500 (1750)	1700 (1850)	1700 (1850)	
	Fuel Tank Capacity	lt	170	195	195	220	220	

MODEL			PB 165	PB 220	PB 250	PB 275	PB 300	
GROUP	Stand By	kVA	165	220	250	275	300	
		kW	132	176	200	220	240	
		Prime	kVA	150	200	227	250	272.7
			kW	120	160	181	200	218
	Rated Current	A	216	288	326	360	393	
ENGINE	Engine		BAUDOUIN					
	Engine Model		6M11G165-5	6M16G220-5	6M16G250-5	6M16G275-5	6M16G300-5	
	Number of Cylinders		6 Inline					
	Injection System		Direct					
	Compression Ratio		18 : 1	17 : 1	17 : 1	17 : 1	17 : 1	
	Bore	mm	105	126	126	126	126	
	Stroke	mm	130	130	130	130	130	
	Displacement	lt	6.75	9.726	9.726	9.726	9.726	
	Air Intake		Turbocharge & Aftercooled					
	Speed (RPM)	rpm	1500					
	Oil Capacity	lt	17	26	26	26	26	
	Standby Power	kW / hp	152 / 203	204 / 273	238 / 319	264 / 353	280 / 375	
	Prime Power	kW / hp	138 / 185	187 / 250	216 / 289	240 / 321	255 / 341	
	Fuel Type		Euro Diesel					
	Governor System		Electronic					
	Cooling System		Water Cooling					
	Coolant Capacity	lt	20	42	42	42	42	
	Fuel Consumption (lt / h)	Full Load	32.6	43.1	50.9	56.9	58.8	
		75% Load	24.6	32.4	38	42.2	45.2	
		50% Load	16.7	22.4	25.8	28.3	32.6	
ALTERNATOR	Frequency	Hz	50					
	Power	kVA	178	224	262	275	334	
	Voltage	V	400					
	Number of Phases		3					
	Voltage Regulation		±1%					
	Insulation Class		H					
	Protection Standard		IP23					
	Power Factor	Cos	0.8					
DIMENSIONS	Weight Silent (Open)	kg	2040 (1775)	2700 (2275)	2765 (2340)	2795 (2370)	2990 (2565)	
	Width Silent (Open)	mm	1000 (1000)	1200 (1200)	1200 (1200)	1200 (1200)	1200 (1200)	
	Length Silent (Open)	mm	3150 (2550)	3900 (3275)	3900 (3275)	3900 (3275)	3900 (3275)	
	Height Silent (Open)	mm	1700 (1850)	2050 (2250)	2050 (2250)	2050 (2250)	2050 (2250)	
	Fuel Tank Capacity	lt	220	520	520	520	520	

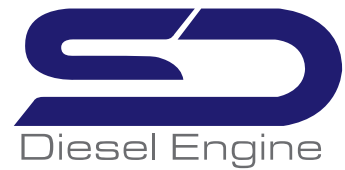
MODEL			PB 350	PB 400	PB 450	PB 500	PB 550	
GROUP	Stand By	kVA	350	400	450	500	550	
		kW	280	320	360	400	440	
		Prime	kVA	318	363.6	410	454	500
			kW	254	290	327	363	400
	Rated Current	A	457	523.5	590	653	720	
ENGINE	Engine		BAUDOQUIN					
	Engine Model		6M16G350-5	6M21G400-5	6M21G440-5	6M21G500-5	6M21G550-5	
	Number of Cylinders		6 Inline					
	Injection System		Direct					
	Compression Ratio		17 : 1	16 : 1	16 : 1	16 : 1	15.2 : 1	
	Bore	mm	126	127	127	127	127	
	Stroke	mm	130	165	165	165	165	
	Displacement	lt	9.726	12.54	12.54	12.54	12.54	
	Air Intake		Turbocharge & Aftercooled					
	Speed (RPM)	rpm	1500					
	Oil Capacity	lt	26	30	30	30	34	
	Standby Power	kW / hp	320 / 428	385 / 516	405 / 542	450 / 603	490 / 656	
	Prime Power	kW / hp	275 / 368	350 / 469	368 / 493	409 / 548	445 / 596	
	Fuel Type		Euro Diesel					
	Governor System		Electronic			ECU		
	Cooling System		Water Cooling					
	Coolant Capacity	lt	42	47	47	47	62	
	Fuel Consumption (lt / h)	Full Load	66.4	82.1	85.5	95.9	109.5	
		75% Load	50.8	60.7	63.5	69.6	75.3	
		50% Load	36.4	41	43.2	46.6	51	
ALTERNATOR	Frequency	Hz	50					
	Power	kVA	360	405	450	520	578	
	Voltage	V	400					
	Number of Phases		3					
	Voltage Regulation		±1%					
	Insulation Class		H					
	Protection Standard		IP23					
Power Factor	Cos	0.8						
DIMENSIONS	Weight Silent (Open)	kg	3080 (2655)	3550 (3015)	3690 (3155)	4120 (3410)	4280 (3565)	
	Width Silent (Open)	mm	1200 (1200)	1500 (1500)	1500 (1500)	1600 (1600)	1600 (1600)	
	Length Silent (Open)	mm	3900 (3275)	4000 (3300)	4000 (3300)	4600 (3900)	4600 (3900)	
	Height Silent (Open)	mm	2050 (2250)	2200 (2500)	2200 (2500)	2500 (2900)	2500 (2900)	
	Fuel Tank Capacity	lt	520	630	630	1100	1100	

MODEL			PB 660	PB 725	PB 750	PB 825	PB 900	
GROUP	Stand By	kVA	660	725	750	825	900	
		kW	528	580	600	660	720	
		Prime	kVA	600	659	681	750	818
			kW	480	527	544	600	655
	Rated Current	A	864	949	980	1080	1178	
ENGINE	Engine		BAUDOUIN					
	Engine Model		6M33G660-5	6M33G715-5	6M33G750-5	6M33G825-5	12M26G900-5	
	Number of Cylinders		6 Inline				V-12	
	Injection System		Direct					
	Compression Ratio		15 : 1	15 : 1	15 : 1	15 : 1	15.7 : 1	
	Bore	mm	150	150	150	150	150	
	Stroke	mm	185	185	185	185	150	
	Displacement	lt	19.6	19.6	19.6	19.6	31.8	
	Air Intake		Turbocharge & Aftercooled					
	Speed (RPM)	rpm	1500					
	Oil Capacity	lt	55	55	55	55	100	
	Standby Power	kW / hp	587 / 786	633 / 848	670 / 898	725 / 972	793 / 1062	
	Prime Power	kW / hp	536 / 718	575 / 770	610 / 818	675 / 905	725 / 971	
	Fuel Type		Euro Diesel					
	Governor System		Electronic			ECU	Electronic	
	Cooling System		Water Cooling					
	Coolant Capacity	lt	110	110	110	110	148	
	Fuel Consumption (lt / h)	Full Load	126.5	136.3	151.1	161.5	173.7	
		75% Load	94.1	100	111.2	116.4	133.1	
		50% Load	63.6	67.1	75.5	76.9	90.8	
ALTERNATOR	Frequency	Hz	50					
	Power	kVA	665	738	755	840	958	
	Voltage	V	400					
	Number of Phases		3					
	Voltage Regulation		±1%					
	Insulation Class		H					
	Protection Standard		IP23					
Power Factor	Cos	0.8						
DIMENSIONS	Weight Silent (Open)	kg	6300 (5440)	6435 (5575)	6450 (5590)	6725 (5865)	7700 (6840)	
	Width Silent (Open)	mm	1900 (1900)	1900 (1900)	1900 (1900)	1900 (1900)	1900 (1900)	
	Length Silent (Open)	mm	4800 (4150)	4800 (4150)	4800 (4150)	4800 (4150)	4800 (4150)	
	Height Silent (Open)	mm	2700 (3150)	2700 (3150)	2700 (3150)	2700 (3150)	3350 (3350)	
	Fuel Tank Capacity	lt	1350	1350	1350	1350	1350	

MODEL			PB 1000	PB 1125	PB 1250
GROUP	Stand By	kVA	1000	1125	1250
		kW	800	900	1000
	Prime	kVA	910	1022	1136
		kW	728	817	908
	Rated Current	A	1310	1470	1635
ENGINE	Engine		BAUDOUIIN		
	Engine Model		12M26G1000-5	12M26G1100-5	12M33G1250-5
	Number of Cylinders		V-12		
	Injection System		Direct		
	Compression Ratio		15.7 : 1	15.7 : 1	15 : 1
	Bore	mm	150	150	150
	Stroke	mm	150	150	185
	Displacement	lt	31.8	31.8	39.2
	Air Intake		Turbocharge & Aftercooled		
	Speed (RPM)	rpm	1500		
	Oil Capacity	lt	100	100	155
	Standby Power	kW / hp	902 / 1208	973 / 1303	1108 / 1484
	Prime Power	kW / hp	820 / 1098	889 / 1191	1007 / 1349
	Fuel Type		Euro Diesel		
	Governor System		Electronic		
	Cooling System		Water Cooling		
	Coolant Capacity	lt	148	148	188
	Fuel Consumption (lt / h)	Full Load	195.5	207.1	236.2
		75% Load	146.5	155.3	175
		50% Load	100.8	106.6	119.5
ALTERNATOR	Frequency	Hz	50		
	Power	kVA	1055	1200	1320
	Voltage	V	400		
	Number of Phases		3		
	Voltage Regulation		±1%		
	Insulation Class		H		
	Protection Standard		IP23		
Power Factor	Cos	0.8			
DIMENSIONS	Weight Silent (Open)	kg	7900 (7040)	8160 (7300)	10900 (9300)
	Width Silent (Open)	mm	1900 (1900)	1900 (1900)	2300 (2300)
	Length Silent (Open)	mm	4800 (4150)	4800 (4150)	6000 (5000)
	Height Silent (Open)	mm	3350 (3350)	3350 (3350)	3385 (3385)
	Fuel Tank Capacity	lt	1350	1350	1600

PS Series

SD Engine Gensets



15 kVA

220 kVA

890 kVA

2500 kVA

SPECIFICATIONS

ENGINE

- SD heavy duty diesel engine
- 12V / 24V starter and charge alternator
- Replaceable air, fuel and oil filters
- Mechanical or electronic governor control
- Tropical type radiator
- Flexible fuel hose
- Oil drain valve and extension hose
- Industrial type silencer and steel compensator
- Maintenance-free starter battery
- Water jacket heater
- 1500 rpm engine speed

ALTERNATOR

- IP23 Protection Standard
- H Insulation Class
- 50 Hz Frequency
- 4 pole brushless synchronous type alternator
- Automatic Voltage Regulator (AVR)
- 400/230V AC Output Voltage - 1500 rpm

SOUND PROOF CANOPY AND CHASSIS

- Convenient design for easy lifting and carrying
- High standard sound proof canopy design
- Modular design with easily removable nuts - bolts
- Lockable doors
- Transparent window for watching Control Panel
- Electrostatic powder painted, providing protection against harsh weather conditions
- Emergency STOP button
- Fuel tank inside the chassis
- Anti-vibration wedges (engine - chassis and chassis - ground)

OPTIONAL

- Thermal magnetic CB (for automatic models)
- Super Silent Canopy
- Mobile Generator Sets
- Automatic fuel filling system
- Synchronization panel
- 3 Pole and 4 Pole ATS (Automatic Transfer Switch)
- Fuel Heater, Oil Heater
- External fuel tank and automatic fuel filling system
- Fuel - water separator filter
- Remote monitoring and control system

MODEL			PS 220	PS 250	PS 275	PS 330
GROUP	Stand By	kVA	220	250	275	330
		kW	176	200	220	264
	Prime	kVA	200	227	250	300
		kW	160	182	200	240
Rated Current		A	288	327	360	432
ENGINE	Engine		SD			
	Engine Model		SD6L180TAD	SD6L206TAD	SD6L227TAD	SD13G355D
	Number of Cylinders		6 - Inline			
	Injection System		Direct			
	Compression Ratio		18	18	18	17 : 1
	Bore	mm	114	114	114	135
	Stroke	mm	135	135	135	150
	Displacement	lt	8.27	8.27	8.27	12.88
	Air Intake		Turbocharged Intercooler			
	Speed (RPM)	rpm	1500			
	Oil Capacity	lt	19	19	19	35
	Standby Power	kW / hp	180 / 245	206 / 280	227 / 309	263 / 355
	Prime Power	kW / hp	164 / 223	187 / 254	206 / 280	235 / 317
	Fuel Type		Euro Diesel			
	Governor System		Electronic			
	Cooling System		Water Cooling			
	Coolant Capacity	lt	48	48	48	60
	Fuel Consumption (lt / h)	Full Load	41	46.2	52.7	58.7
		75% Load	31.5	35.5	39.8	44
		50% Load	21.3	23.7	26.4	29.4
ALTERNATOR	Alternator Model		FLYS274H	FLYS274J	FLYS274K	FLL315C
	Frequency	Hz	50			
	Power	kVA	220	250	275	327
	Voltage	V	400			
	Number of Phases		3			
	Aut. Voltage Regulator (AVR)		AS440			
	Voltage Regulation		±1%			
	Insulation Class		H			
	Protection Standard		IP23			
	Power Factor	Cos	0.8			
DIMENSIONS	Weight Silent (Open)	Kg	2260 (1920)	2280 (1940)	2530 (2190)	3480 (3070)
	Width Silent (Open)	mm	1200 (1200)	1200 (1200)	1200 (1200)	1200 (1200)
	Length Silent (Open)	mm	3500 (2900)	3500 (2900)	3500 (2900)	3900 (3275)
	Height Silent (Open)	mm	1850 (2100)	1850 (2100)	1850 (2100)	2050 (2250)
	Fuel Tank Capacity	lt	360	360	360	520

MODEL			PS 385	PS 450	PS 500	PS 550
GROUP	Stand By	kVA	385	450	500	550
		kW	308	360	400	440
	Prime	kVA	350	409	454	500
		kW	280	327	363	400
	Rated Current	A	504	588	653	720
ENGINE	Engine		SD			
	Engine Model		SD13G420D	SD15G500D	SD15G550D	SD27G612TLD
	Number of Cylinders		6 - Inline			V-12
	Injection System		Direct			
	Compression Ratio		17 : 1	17 : 1	17 : 1	16 : 1
	Bore	mm	135	135	138	135
	Stroke	mm	150	165	170	155
	Displacement	lt	12.88	14.2	15.2	26.6
	Air Intake		Turbocharged Intercooler			
	Speed (RPM)	rpm	1500			
	Oil Capacity	lt	35	32.5	41	48
	Standby Power	kW / hp	308 / 419	373 / 503	405 / 543	450 / 607
	Prime Power	kW / hp	280 / 381	335 / 450	365 / 489	405 / 546
	Fuel Type		Euro Diesel			
	Governor System		Electronic			
	Cooling System		Water Cooling			
	Coolant Capacity	lt	60	60	75	151
	Fuel Consumption (lt / h)	Full Load	70	83.7	98	113.6
		75% Load	52.5	62.8	73.5	87.2
		50% Load	35	41.9	49	58.7
ALTERNATOR	Alternator Model		FLL315E	FLL315G	FLL355BS	FLL355CSL
	Frequency	Hz	50			
	Power	kVA	360	440	495	495
	Voltage	V	400			
	Number of Phases		3			
	Aut. Voltage Regulator (AVR)		AS440			
	Voltage Regulation		±1%			
	Insulation Class		H			
	Protection Standard		IP23			
	Power Factor	Cos	0.8			
DIMENSIONS	Weight Silent (Open)	Kg	3940 (3280)	4070 (3400)	4070 (3400)	5500 (4700)
	Width Silent (Open)	mm	1500 (1500)	1500 (1500)	1500 (1500)	1900 (1900)
	Length Silent (Open)	mm	4000 (3300)	4000 (3300)	4000 (3300)	4500 (3850)
	Height Silent (Open)	mm	2200 (2500)	2200 (2500)	2200 (2500)	2550 (2900)
	Fuel Tank Capacity	lt	630	630	630	1300

MODEL			PS 600	PS 660	PS 725	PS 790	
GROUP	Stand By	kVA	600	660	725	790	
		kW	480	528	580	632	
	Prime	kVA	545	600	659	718	
		kW	436	480	527	574	
	Rated Current	A	784	864	948	1033	
ENGINE	Engine		SD				
	Engine Model		SD27G700TLD	SD27G755TLD	SD29G843TLD	SD29G925TLD	
	Number of Cylinders		V-12				
	Injection System		Direct				
	Compression Ratio		16 : 1	16 : 1	17.6 : 1	17.6 : 1	
	Bore	mm	135	135	138	138	
	Stroke	mm	155	155	158	158	
	Displacement	lt	26.6	26.6	28.3	28.3	
	Air Intake		Turbocharged Intercooler				
	Speed (RPM)	rpm	1500				
	Oil Capacity	lt	48	48	65	65	
	Standby Power	kW / hp	510 / 688	555 / 750	620 / 837	680 / 918	
	Prime Power	kW / hp	465 / 628	500 / 675.6	558 / 753	612 / 826	
	Fuel Type		Euro Diesel				
	Governor System		Electronic				
	Cooling System		Water Cooling				
	Coolant Capacity	lt	151				
	Fuel Consumption (lt / h)	Full Load		125.6	135.2	143.2	156.9
		75% Load		96.7	101.4	109.2	119.2
		50% Load		64.2	76.1	73.5	79.8
ALTERNATOR	Alternator Model		FLL355DS	FLL355D	FLL355E	FLL355G	
	Frequency	Hz	50				
	Power	kVA	615	660	738	790	
	Voltage	V	400				
	Number of Phases		3				
	Aut. Voltage Regulator (AVR)		AS440				
	Voltage Regulation		±1%				
	Insulation Class		H				
	Protection Standard		IP23				
	Power Factor	Cos	0.8				
DIMENSIONS	Weight Silent (Open)	Kg	5650 (4850)	5670 (4870)	6100 (5060)	6200 (5160)	
	Width Silent (Open)	mm	1900 (1900)	1900 (1900)	1900 (1900)	1900 (1900)	
	Length Silent (Open)	mm	4500 (3850)	4500 (3850)	4800 (4150)	4800 (4150)	
	Height Silent (Open)	mm	2550 (2900)	2550 (2900)	2700 (3150)	2700 (3150)	
	Fuel Tank Capacity	lt	1300	1300	1350	1350	

MODEL			PS 840	PS 925	PS 1000	PS 1125
GROUP	Stand By	kVA	840	925	1000	1125
		kW	672	740	800	900
	Prime	kVA	763	840	909	1022
		kW	610	672	727	817
	Rated Current	A	1098	1210	1300	1470
ENGINE	Engine		SD			
	Engine Model		SD30G1020TLD	SD30G1115TLD	SD30G1200TLD	SD30G1380TLD
	Number of Cylinders		V-12			
	Injection System		Direct			
	Compression Ratio		17.6 : 1	17.6 : 1	17.6 : 1	17.6 : 1
	Bore	mm	138	138	138	138
	Stroke	mm	168	168	168	168
	Displacement	lt	30.1			
	Air Intake		Turbocharged Intercooler			
	Speed (RPM)	rpm	1500			
	Oil Capacity	lt	65	65	80	100
	Standby Power	kW / hp	750 / 1015	820 / 1107	880 / 1188	1020 / 1377
	Prime Power	kW / hp	675 / 912	738 / 996	790 / 1066	910 / 1228
	Fuel Type		Euro Diesel			
	Governor System		Electronic			
	Cooling System		Water Cooling			
	Coolant Capacity	lt	151			
Fuel Consumption (lt / h)	Full Load	173.4	187.1	202	233	
	75% Load	132.1	142.3	153	175	
	50% Load	88.3	95.6	103.5	117	
ALTERNATOR	Alternator Model		FLL400C	FLL400D	FLL400E	FLL400F
	Frequency	Hz	50			
	Power	kVA	840	950	1055	1200
	Voltage	V	400			
	Number of Phases		3			
	Aut. Voltage Regulator (AVR)		MX341			
	Voltage Regulation		±1%			
	Insulation Class		H			
	Protection Standard		IP23			
Power Factor	Cos	0.8				
DIMENSIONS	Weight Silent (Open)	Kg	6270 (5230)	6270 (5230)	6600 (5720)	6650 (5770)
	Width Silent (Open)	mm	1900 (1900)	1900 (1900)	1900 (1900)	1900 (1900)
	Length Silent (Open)	mm	4800 (4150)	4800 (4150)	4800 (4150)	4800 (4150)
	Height Silent (Open)	mm	2700 (3150)	2700 (3150)	3385 (3385)	3385 (3385)
	Fuel Tank Capacity	lt	1350	1350	1350	1350

PN Series

YangDong Engine Gensets



15 kVA

66 kVA

2500 kVA

SPECIFICATIONS

ENGINE

- YangDong heavy duty diesel engine
- 12V / 24V starter and charge alternator
- Replaceable air, fuel and oil filters
- Mechanical or electronic governor control
- Tropical type radiator
- Flexible fuel hose
- Oil drain valve and extension hose
- Industrial type silencer and steel compensator
- Maintenance-free starter battery
- Water jacket heater
- 1500 rpm engine speed

ALTERNATOR

- IP23 Protection Standard
- H Insulation Class
- 50 Hz Frequency
- 4 pole brushless synchronous type alternator
- Automatic Voltage Regulator (AVR)
- 400/230V AC Output Voltage - 1500 rpm

SOUND PROOF CANOPY AND CHASSIS

- Convenient design for easy lifting and carrying
- High standard sound proof canopy design
- Modular design with easily removable nuts - bolts
- Lockable doors
- Transparent window for watching Control Panel
- Electrostatic powder painted, providing protection against harsh weather conditions
- Emergency STOP button
- Fuel tank inside the chassis
- Anti-vibration wedges (engine - chassis and chassis – ground)

OPTIONAL

- Thermal magnetic CB (for automatic models)
- Super Silent Canopy
- Mobile Generator Sets
- Automatic fuel filling system
- Synchronization panel
- 3 Pole and 4 Pole ATS (Automatic Transfer Switch)
- Fuel Heater, Oil Heater
- External fuel tank and automatic fuel filling system
- Fuel - water separator filter
- Remote monitoring and control system

MODEL			PN 12	PN 17	PN 22	PN 28	PN 34
GROUP	Stand By	kVA	12	17	22	28	35
		kW	9.6	13.6	17.6	22.4	28
	Prime	kVA	10.9	15.4	20	25.4	31.8
		kW	8.7	12.3	16	20.3	25.4
	Rated Current	A	15.7	22.2	28.8	36.5	45.8
ENGINE	Engine		YANGDONG				
	Engine Model		YD380D	YD480D	YND485D	YSD490D	Y495D
	Number of Cylinders		3 Inline	4 Inline			
	Injection System		Direct				
	Compression Ratio		18	18	18	18	18
	Bore	mm	80	80	85	90	95
	Stroke	mm	90	90	95	100	105
	Displacement	lt	1.36	1.81	2.15	2.54	2.97
	Air Intake		Natural Aspiration				
	Speed (RPM)	rpm	1500				
	Oil Capacity	lt	5.5	6.7	6.7	7.6	8
	Standby Power	kW / hp	11 / 14.85	16 / 20	18.7 / 25.2	23.1 / 31.2	30 / 40.5
	Prime Power	kW / hp	10 / 13.5	14 / 18.9	17 / 23	21 / 28	27 / 36.4
	Fuel Type		Euro Diesel				
	Governor System		Mechanical				
	Cooling System		Water Cooling				
	Coolant Capacity	lt	7	7.6	9	9	14
Fuel Consumption (lt / h)	Full Load	2.4	4.1	5.5	6.5	6.9	
	75% Load	2	3.1	4.2	4.8	6.1	
	50% Load	1.4	2	2.8	3.1	5.2	
ALTERNATOR	Alternator Model		FLYS164B	FLYS164D	FLYS184E	FLYS184F	FLYS184G
	Frequency	Hz	50				
	Power	kVA	12.1	17.7	24.75	30	35
	Voltage	V	400				
	Number of Phases		3				
	Aut. Voltage Regulator (AVR)		AS440				
	Voltage Regulation		±1%				
	Insulation Class		H				
	Protection Standard		IP23				
	Power Factor	Cos	0.8				
DIMENSIONS	Weight Silent (Open)	Kg	590 (460)	625 (490)	645 (515)	695 (565)	750 (600)
	Width Silent (Open)	mm	900 (900)	900 (900)	900 (900)	900 (900)	900 (900)
	Length Silent (Open)	mm	2000 (1650)	2000 (1650)	2000 (1650)	2000 (1650)	2200 (1850)
	Height Silent (Open)	mm	1200 (1400)	1200 (1400)	1200 (1400)	1200 (1400)	1350 (1500)
	Fuel Tank Capacity	lt	115	115	115	115	125

MODEL			PN 44	PN 50	PN 66	PN 80	PN 110	PN 125	
GROUP	Stand By	kVA	44	50	66	80	110	125	
		kW	35.2	40	52.8	64	88	100	
	Prime	kVA	40	45.4	60	72	100	113	
		kW	32	36.3	48	57.6	80	90	
Rated Current		A	57.6	65.3	86.4	103	144	162	
ENGINE	Engine		YANGDONG						
	Engine Model		Y4102D	Y4105D	Y4102ZLD	YD4EZLD	Y4110ZLD	YD4GZLD	
	Number of Cylinders		4 Inline						
	Injection System		Direct						
	Compression Ratio		18	18	18	18	18	18	
	Bore		mm	102	105	102	105	110	110
	Stroke		mm	118	118	118	118	118	118
	Displacement		lt	3.87	4.1	3.87	4.1	4.4	4.4
	Air Intake		Natural Aspiration			Turbo-Charger With Intercooler			
	Speed (RPM)		rpm	1500					
	Oil Capacity		lt	13	13	13	11	12	12
	Standby Power		kW / hp	36.3 / 49	42 / 56.7	52.8 / 71.3	69.3 / 93.5	88 / 118	99 / 133
	Prime Power		kW / hp	33 / 44.5	38 / 51.3	48 / 65	63 / 85	80 / 108	90 / 121
	Fuel Type		Euro Diesel						
	Governor System		Mechanical			Electronic			
	Cooling System		Water Cooling						
	Coolant Capacity		lt	16.2	15.1	15.1	15.1	15.1	15.1
Fuel Consumption (lt / h)		Full Load	9	10.8	12.7	12.9	16.2	17.9	
		75% Load	6.8	8.2	10.2	10.5	12.5	13.6	
		50% Load	5.5	6.5	7.5	7.8	8.8	9.2	
ALTERNATOR	Alternator Model		FLYS184J	FLYS224D	FLYS224E	FLYS224F	FLYS274C	FLYS274D	
	Frequency		Hz	50					
	Power		kVA	44	55	66	80	110	132
	Voltage		V	400					
	Number of Phases		3						
	Aut. Voltage Regulator (AVR)		AS440						
	Voltage Regulation		±1%						
	Insulation Class		H						
	Protection Standard		IP23						
Power Factor		Cos	0.8						
DIMENSIONS	Weight Silent (Open)		Kg	890 (740)	950 (790)	1040 (860)	1100 (920)	1220 (1020)	1250 (1050)
	Width Silent (Open)		mm	900 (900)	950 (950)	1000 (1000)	1000 (1000)	1000 (1000)	1000 (1000)
	Length Silent (Open)		mm	2200 (1850)	2300 (1900)	2400 (2000)	2400 (2000)	2800 (2350)	2800 (2350)
	Height Silent (Open)		mm	1350 (1500)	1400 (1600)	1500 (1700)	1500 (1700)	1500 (1700)	1500 (1700)
	Fuel Tank Capacity		lt	125	140	170	170	195	220

PR Series

Ricardo Engine Gensets

Ricardo Engine Gensets



15 kVA

35 kVA

200 kVA

2500 kVA

SPECIFICATIONS

ENGINE

- Ricardo heavy duty diesel engine
- 12V / 24V starter and charge alternator
- Replaceable air, fuel and oil filters
- Mechanical or electronic governor control
- Tropical type radiator
- Flexible fuel hose
- Oil drain valve and extension hose
- Industrial type silencer and steel compensator
- Maintenance-free starter battery
- Water jacket heater
- 1500 rpm engine speed

ALTERNATOR

- IP23 Protection Standard
- H Insulation Class
- 50 Hz Frequency
- 4 pole brushless synchronous type alternator
- Automatic Voltage Regulator (AVR)
- 400/230V AC Output Voltage - 1500 rpm

SOUND PROOF CANOPY AND CHASSIS

- Convenient design for easy lifting and carrying
- High standard sound proof canopy design
- Modular design with easily removable nuts - bolts
- Lockable doors
- Transparent window for watching Control Panel
- Electrostatic powder painted, providing protection against harsh weather conditions
- Emergency STOP button
- Fuel tank inside the chassis
- Anti-vibration wedges (engine - chassis and chassis - ground)

OPTIONAL

- Thermal magnetic CB (for automatic models)
- Super Silent Canopy
- Mobile Generator Sets
- Automatic fuel filling system
- Synchronization panel
- 3 Pole and 4 Pole ATS (Automatic Transfer Switch)
- Fuel Heater, Oil Heater
- External fuel tank and automatic fuel filling system
- Fuel - water separator filter
- Remote monitoring and control system

MODEL			PR 35	PR 44	PR 50	PR 60	PR 77
GROUP	Stand By	kVA	35	44	50	60	77
		kW	28	35.2	40	48	61.6
	Prime	kVA	31.8	40	45.5	54.5	70
		kW	25.4	32	36.4	43.6	56
	Rated Current	A	45.79	57.6	65.5	78.5	100.8
ENGINE	Engine		RICARDO				
	Engine Model		K4100-D	K4100-ZD	WD100-45	D4105-ZD	D4105-IZLD
	Number of Cylinders		4 - Inline				
	Injection System		Direct				
	Compression Ratio		19 : 1	19 : 1	19 : 1	17 : 1	16 : 1
	Bore	mm	100	100	100	105	105
	Stroke	mm	115	115	115	115	115
	Displacement	lt	3.61	3.61	3.61	3.93	3.93
	Air Intake		Natural Aspiration	Turbocharged			Turbocharged Inter Cooler
	speed (RPM)	rpm	1500				
	Oil Capacity	lt	13	13	13	13	15
	Standby Power	kW / hp	33 / 44.2	44 / 58.98	49.5 / 66	60.5 / 81	72.6 / 95.5
	Prime Power	kW / hp	30.1 / 40.3	40 / 53.6	45 / 60.3	56 / 75	66 / 88.4
	Fuel Type		Euro Diesel				
	Governor System		Mechanical				
	Cooling System		Water Cooling				
	Coolant Capacity	lt	15	15	15	18	20
	Fuel Consumption (lt / h)	Full Load	9	12.2	13	14.5	17.5
		75% Load	6.5	9.1	9.8	11	15.2
		50% Load	4.7	6.4	6.5	7.6	9
ALTERNATOR	Alternator Model		FLYS184G	FLYS184J	FLYS224D	FLYS224E	FLYS224F
	Frequency	Hz	50				
	Power	kVA	35	44	55	66	80
	Voltage	V	400				
	Number of Phases		3				
	Aut. Voltage Regulator (AVR)		AS440				
	Voltage Regulation		±1%				
	Insulation Class		H				
	Protection Standard		IP23				
	Power Factor	Cos	0.8				
DIMENSIONS	Weight Silent (Open)	Kg	860 (700)	895 (770)	990 (820)	1100 (900)	1180 (990)
	Width Silent (Open)	mm	900 (900)	900 (900)	950 (950)	1000 (1000)	1000 (1000)
	Length Silent (Open)	mm	2200 (1850)	2200 (1850)	2300 (1900)	2400 (2000)	2400 (2000)
	Height Silent (Open)	mm	1350 (1500)	1350 (1500)	1400 (1600)	1500 (1700)	1500 (1700)
	Fuel Tank Capacity	lt	125	125	140	170	170

MODEL			PR 94	PR 110	PR 125	PR 150	PR 175	P R 200	
GROUP	Stand By	kVA	94	110	125	150	175	200	
		kW	75.2	88	100	120	140	160	
	Prime	kVA	85.4	100	113	136	160	181	
		kW	68.36	80	90	108	128	145	
Rated Current		A	122.9	144	162.72	195.84	230.4	260	
ENGINE	Engine		RICARDO						
	Engine Model		R4105-IZLD	R6105-ZD	R6105-ZLD	R6105-AZLD	R6105-IZLD	FLDR6110-IZLD	
	Number of Cylinders		4 - Inline	6 - Inline					
	Injection System		Direct						
	Compression Ratio		16 : 1	16 : 1	16 : 1	16 : 1	16 : 1	16 : 1	
	Bore		mm	105					110
	Stroke		mm	125	130	130	130	135	135
	Displacement		lt	4.33	6.49	6.49	6.49	7.1	7.70
	Air Intake			Turbocharged Inter Cooler	Turbocharged		Turbocharged Inter Cooler		
	Speed (RPM)		rpm	1500					
	Oil Capacity		lt	15	18	18	18	18	18
	Standby Power		kW / hp	82 / 109.9	92.4 / 123.8	110 / 147.45	121 / 162.1	145.2 / 194.6	182 / 244
	Prime Power		kW / hp	75 / 100.5	84 / 112.5	100 / 134	110 / 147.45	132 / 176.9	165 / 821
	Fuel Type		Euro Diesel						
	Governor System		Mechanical						
	Cooling System		Water Cooling						
	Coolant Capacity		lt	23	23	23	23	25	25
	Fuel Consumption (lt / h)		Full Load	19.1	22.2	25.6	31	33.5	39.5
			75% Load	15	16.7	19.2	23.3	25.2	29.6
			50% Load	13	11.1	12.8	15.5	17	19.8
ALTERNATOR	Alternator Model		FLYS224G	FLY274C	FLYS274D	FLYS274E	FLYS274F	FLYS274G	
	Frequency		Hz	50					
	Power		kVA	94	110	125	150	175	198
	Voltage		V	400					
	Number of Phases		3						
	Aut. Voltage Regulator (AVR)		AS440						
	Voltage Regulation		±1%						
	Insulation Class		H						
	Protection Standard		IP23						
	Power Factor		Cos	0.8					
DIMENSIONS	Weight Silent (Open)		Kg	1250 (1050)	1496 (1230)	1540 (1290)	1595 (1350)	1660 (1410)	1800 (1410)
	Width Silent (Open)		mm	1000 (1000)	1000 (1000)	1000 (1000)	1000 (1000)	1000 (1000)	1000 (1000)
	Length Silent (Open)		mm	2800 (2350)	3150 (2550)	3150 (2550)	3150 (2550)	3150 (2550)	3150 (2550)
	Height Silent (Open)		mm	1500 (1750)	1700 (1600)	1700 (1850)	1700 (1850)	1700 (1850)	1700 (1850)
	Fuel Tank Capacity		lt	195	220	220	220	220	220

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