



Model: SP-180DC-6

144KW/180KVA/1800rpm/60HZ



Standard Features

- | | |
|--|---|
| ●Engine : CUMMINS 6BTAA5.9-G12 | ●Alternator : Single-bearing generator, insulation class H/H |
| ●Standard control screen | ●50℃ water tank radiator, cooling fan, with fan safety cover |
| ● Air filter, fuel filter, engine oil filter | ● Common chassis and shock absorber |
| ●24V charge alternator | ●Smoke exhaust bellows, smoke exhaust bends, industrial muffler and standard parts for connection |
| ● cutout switch | ● Use data randomly |

OPTIONS

- | | |
|---|--|
| <input type="checkbox"/> Coolant heater | <input type="checkbox"/> oil - water separator |
| <input type="checkbox"/> Oil heater | <input type="checkbox"/> Automatic transfer switch / ATS |
| <input type="checkbox"/> Silent type / trailer type | <input type="checkbox"/> Standard container type |
| <input type="checkbox"/> Maintenance-free lead-acid battery and battery connection cables | <input type="checkbox"/> Daily fuel tank |

Changes in the technical parameters are possible without notice .



Model: SP-180DC-6

144KW/180KVA/1800rpm/60HZ

Generator parameters at different voltage levels

voltage (V)	frequency (Hz)	Phase	PF (COSΦ)	current (A)	Standby Power (kW/kVA)	Prime Power (kW/kVA)
480/277	60	3	0.8	219.49	144/180	134/168
460/266	60	3	0.8	232.89	144/180	134/168
440/254	60	3	0.8	242	144/180	134/168
416/240	60	3	0.8	254.06	144/180	134/168

Standby power: refers to the continuous operating power under variable load conditions, allowing 10% of 1 hour overload every 12 hours .

Commonly used power: refers to the continuous operating power under the variable load condition in case of emergency;

The relationship between engine power and altitude: above 1500 meters of altitude, for every 300 meters increased, the power decreases by 5%.

SALES PROMISES

The products provided by the company are all brand-new products, and each unit has undergone strict factory testing. The warranty period of the product is one year from the completion of commissioning or 1500 hours of cumulative operation, or 15 months from the date of shipment to users (i. e., not installed and used for a long time), whichever comes first. Services and accessories for our products are available from distributors or corporate headquarters in your location.



Model: SP-180DC-6

144KW/180KVA/1800rpm/60HZ

ENGINE SPECIFICATION

Model	SP-180DC-6	Voltage	440V/254V
Standby Power / capacity	144kW/180kVA	Frequency	60HZ
Prime Power / capacity	134kW/168kVA	Rated speed	1800r/min

Engine technical parameters

Manufacturer/Model	CUMMINS 6BTAA5.9-G12
Capacity factor	165
Style	Vertical, in-line, water-cooled, four-stroke
Inhale way	Inter-cooling
Number of cylinder	6/L
Bore and stroke (mm)	102×120 (mm)
Displacement	5.9L
Compression ratio	17.3: 1
100%Oil consumption(L/H)	33.18
Total oil capacity(L)	16.4
Coolant capacity(L)	37
Machine combustion ratio	≤0.1
Starting mode	Electrical start of the DC24V



Pictures for reference only



Model: SP-180DC-6

144KW/180KVA/1800rpm/60HZ

Generator technical parameters

Manufacturer/Model	STAMFORD UCI274G
Number of Phase	3
Connecting Type	3 Phase and 4 Wires, Y type connecting
Power Factor	0.8
Protection Class	IP23
Exciter Type	Brushless exciting
Insulation Class/Temperature Rise	H/H
Telephone Influence Factor (TIF)	<50
Telephone harmonic coefficient	<2%
Alternator Capacity	168kVA
Voltage	400V



Pictures for reference only
Optional Brand : Leroysoomer, Stanford



Controller

1.The LCD is 132x64, with backlight, four languages (simplified Chinese, English, Spanish and Russian) display, touch the button operation;

2.Using silicone panel and keys, to adapt to the environment of high and low temperature ability;

3.With the function of over voltage, under voltage, over frequency, under frequency and over current protection;

4.Control and protection function: realize automatic start / shutdown, closing (ATS change-over) and perfect fault display protection function;

5.Collect and display the mains / power generation three-phase voltage, three-phase current, frequency and power parameters;

6.With RS485 communication interface, using the MODBUS protocol can achieve the "three remote" function;



Note: The above content is the parameters of the SmartGen control system. If other brand control systems are selected, the technical specifications of the actual control system used shall prevail.





Model: SP-145DC-6

104KW/130KVA/1800rpm/60HZ



Standard Features

- | | |
|--|--|
| ● Engine : CUMMINS 6BTA5.9-G2 | ● Alternator : Single-bearing generator, insulation class H/H |
| ● Standard control screen | ● 50°C water tank radiator, cooling fan, with fan safety cover |
| ● Air filter, fuel filter, engine oil filter | ● Common chassis and shock absorber |
| ● 24V charge alternator | ● Smoke exhaust bellows, smoke exhaust bends, industrial muffler and standard parts for connection |
| ● cutout switch | ● Use data randomly |

OPTIONS

- | | |
|---|--|
| <input type="checkbox"/> Coolant heater | <input type="checkbox"/> oil - water separator |
| <input type="checkbox"/> Oil heater | <input type="checkbox"/> Automatic transfer switch / ATS |
| <input type="checkbox"/> Silent type / trailer type | <input type="checkbox"/> Standard container type |
| <input type="checkbox"/> Maintenance-free lead-acid battery and battery connection cables | <input type="checkbox"/> Daily fuel tank |

Changes in the technical parameters are possible without notice .



Model: SP-145DC-6

104KW/130KVA/1800rpm/60HZ

Generator parameters at different voltage levels

voltage (V)	frequency (Hz)	Phase	PF (COSΦ)	current (A)	Standby Power (kW/kVA)	Prime Power (kW/kVA)
480/277	60	3	0.8	170.35	116/145	104/130
460/266	60	3	0.8	180.75	116/145	104/130
440/254	60	3	0.8	187.82	116/145	104/130
416/240	60	3	0.8	197.18	116/145	104/130

Standby power: refers to the continuous operating power under variable load conditions, allowing 10% of 1 hour overload every 12 hours .

Commonly used power: refers to the continuous operating power under the variable load condition in case of emergency;

The relationship between engine power and altitude: above 1500 meters of altitude, for every 300 meters increased, the power decreases by 5%.

SALES PROMISES

The products provided by the company are all brand-new products, and each unit has undergone strict factory testing. The warranty period of the product is one year from the completion of commissioning or 1500 hours of cumulative operation, or 15 months from the date of shipment to users (i. e., not installed and used for a long time), whichever comes first. Services and accessories for our products are available from distributors or corporate headquarters in your location.

Changes in the technical parameters are possible without notice .



Model: SP-145DC-6

104KW/130KVA/1800rpm/60HZ

ENGINE SPECIFICATION

Model	SP-145DC-6	Voltage	440V/254V
Standby Power / capacity	116kW/145kVA	Frequency	60HZ
Prime Power / capacity	104kW/130kVA	Rated speed	1800r/min

Engine technical parameters

Manufacturer/Model	CUMMINS 6BTA5.9-G2
Capacity factor	132
Style	Vertical, in-line, water-cooled, four-stroke
Inhale way	Inter-cooling
Number of cylinder	6/L
Bore and stroke (mm)	102×120 (mm)
Displacement	5.9L
Compression ratio	17.3: 1
100%Oil consumption(L/H)	26.12
Total oil capacity(L)	16.4
Coolant capacity(L)	26
Machine combustion ratio	≤0.1
Starting mode	Electrical start of the DC24V



Pictures for reference only



Model: SP-145DC-6

104KW/130KVA/1800rpm/60HZ

Generator technical parameters

Manufacturer/Model	SP-145E4
Number of Phase	3
Connecting Type	3 Phase and 4 Wires, Y type connecting
Power Factor	0.8
Protection Class	IP23
Exciter Type	Brushless exciting
Insulation Class/Temperature Rise	H/H
Telephone Influence Factor (TIF)	<50
Telephone harmonic coefficient	<2%
Alternator Capacity	130kVA
Voltage	400V



Pictures for reference only
Optional Brand : Leroysoner、Stanford



Controller

1.The LCD is 132x64, with backlight, four languages (simplified Chinese, English, Spanish and Russian) display, touch the button operation;

2.Using silicone panel and keys, to adapt to the environment of high and low temperature ability;

3.With the function of over voltage, under voltage, over frequency, under frequency and over current protection;

4.Control and protection function: realize automatic start / shutdown, closing (ATS change-over) and perfect fault display protection function;

5.Collect and display the mains / power generation three-phase voltage, three-phase current, frequency and power parameters;

6.With RS485 communication interface, using the MODBUS protocol can achieve the "three remote" function;



Note: The above content is the parameters of the SmartGen control system. If other brand control systems are selected, the technical specifications of the actual control system used shall prevail.





Model: SP-100DC-6

72KW/90KVA/1800rpm/60HZ



Standard Features

- Engine : CUMMINS 4BTA3.9-G11
- Alternator : Single-bearing generator, insulation class H/H
- Standard control screen
- 50℃ water tank radiator, cooling fan, with fan safety cover
- Air filter, fuel filter, engine oil filter
- Common chassis and shock absorber
- 24V charge alternator
- Smoke exhaust bellows, smoke exhaust bends, industrial muffler and standard parts for connection
- cutout switch
- Use data randomly

OPTIONS

- Coolant heater
- oil - water separator
- Oil heater
- Automatic transfer switch / ATS
- Silent type / trailer type
- Standard container type
- Maintenance-free lead-acid battery and battery connection cables
- Daily fuel tank

Changes in the technical parameters are possible without notice .



Model: SP-100DC-6

72KW/90KVA/1800rpm/60HZ

Generator parameters at different voltage levels

voltage (V)	frequency (Hz)	Phase	PF (COSΦ)	current (A)	Standby Power (kW/kVA)	Prime Power (kW/kVA)
480/277	60	3	0.8	117.94	80/100	72/90
460/266	60	3	0.8	125.14	80/100	72/90
440/254	60	3	0.8	130.03	80/100	72/90
416/240	60	3	0.8	136.51	80/100	72/90

Standby power: refers to the continuous operating power under variable load conditions, allowing 10% of 1 hour overload every 12 hours .

Commonly used power: refers to the continuous operating power under the variable load condition in case of emergency;

The relationship between engine power and altitude: above 1500 meters of altitude, for every 300 meters increased, the power decreases by 5%.

SALES PROMISES

The products provided by the company are all brand-new products, and each unit has undergone strict factory testing. The warranty period of the product is one year from the completion of commissioning or 1500 hours of cumulative operation, or 15 months from the date of shipment to users (i. e., not installed and used for a long time), whichever comes first. Services and accessories for our products are available from distributors or corporate headquarters in your location.



Model: SP-100DC-6

72KW/90KVA/1800rpm/60HZ

ENGINE SPECIFICATION

Model	SP-100DC-6	Voltage	440V/254V
Standby Power / capacity	80kW/100kVA	Frequency	60HZ
Prime Power / capacity	72kW/90kVA	Rated speed	1800r/min

Engine technical parameters

Manufacturer/Model	CUMMINS 4BTA3.9-G11
Capacity factor	90
Style	Vertical, in-line, water-cooled, four-stroke
Inhale way	Inter-cooling
Number of cylinder	4/L
Bore and stroke (mm)	102×120 (mm)
Displacement	3.9L
Compression ratio	17.3: 1
100%Oil consumption(L/H)	17.74
Total oil capacity(L)	11
Coolant capacity(L)	22
Machine combustion ratio	≤0.1
Starting mode	Electrical start of the DC24V



Pictures for reference only



Model: SP-100DC-6

72KW/90KVA/1800rpm/60HZ

Generator technical parameters

Manufacturer/Model	SP-95E4
Number of Phase	3
Connecting Type	3 Phase and 4 Wires, Y type connecting
Power Factor	0.8
Protection Class	IP23
Exciter Type	Brushless exciting
Insulation Class/Temperature Rise	H/H
Telephone Influence Factor (TIF)	<50
Telephone harmonic coefficient	<2%
Alternator Capacity	90kVA
Voltage	400V



Pictures for reference only
Optional Brand : Leroysoner、Stanford



Controller

1.The LCD is 132x64, with backlight, four languages (simplified Chinese, English, Spanish and Russian) display, touch the button operation;

2.Using silicone panel and keys, to adapt to the environment of high and low temperature ability;

3.With the function of over voltage, under voltage, over frequency, under frequency and over current protection;

4.Control and protection function: realize automatic start / shutdown, closing (ATS change-over) and perfect fault display protection function;

5.Collect and display the mains / power generation three-phase voltage, three-phase current, frequency and power parameters;

6.With RS485 communication interface, using the MODBUS protocol can achieve the "three remote" function;



Note: The above content is the parameters of the SmartGen control system. If other brand control systems are selected, the technical specifications of the actual control system used shall prevail.

