



## Technical Data

Model		AJ- 165C
Prime power	kva	150
	kw	120
Standby power	kva	165
	kw	132
Rated voltage line to line	V	230/400
Rated current	A	216
Maximun sound level	dB@7m	73

Engine-Cummins		6BTAA5.9-G12
Model		6BTAA5.9-G12
Aspiration		Four-stroke,water-cooled,in-line,direct injection,turbocharged, charged air cooled
Fuel system		BYC P7100 electric governor
No. cylinders		6
Displacement	L	5,9
Bore*Stroke	mm	102x120
Compression ratio		17.3:1
Rated speed	r/min	1500
Governor		Electric system
Engine wet weight	kg	413
Engine idel speed		750-850
Fire order		1-5-3-6-2-4
Start Motor	V	24

Exhaust System		
Max exhaust back pressure	kPa	13
Exhuast pipe size	mm	75

Air intake System		
Max inlet pressure (Dirty air)	kPa	6,2
Max inlet pressure (Clean air)	kPa	3,7

Fuel System		
110% load(Standby power)	L/h	38
100% load(Prime power)	L/h	34
75% load(Prime power)	L/h	26
50% load(Prime power)	L/h	17
25% load(Prime power)	L/h	10
Fuel capacity	L	275

Lubrication System		
Idle speed oil pressure	kPa	207
Governed speed oil pressure	kPa	345
Max Oil temp	°C	121
Oil capacity	L	16,4

Cooling System		
Coolant capacity--Engine only	L	10
Max coolant friction head to engine	Kpa	35
Max water temp standby/prime power	°C	104/100

Standard Features		
Engine(Cummins ENGINE)		●
Radiator 50°C max,fans are driven by belt		●
24V charge alternator		●
Alternator: single bearing alternator IP23		●
insulation class H/H		●
Standard auto control system		●
One set of air filter, fuel filter, oil filter		●
Main line circuit breaker / ACB		●
Base fuel tank		●
Two 24V batteries, rac and cable		●
Exhaust system(Ripple flex exhaust pipe)		●
Exhaust siphon, flange, muffler		●
User manual		●
Battery charge		●

Options		
Water heater		○
Alternator heater		○
PMG		○
Water oil separator		○
Daily fuel tank		○
Remote control panel		○
Automatic transfer switch/ATS		○
Switch box		○
Standard:	●	Options:○

### Alternator

Model		UCI274F
Alternator Brand		Stamford
Phase		3
Voltage	V	230/400
Wiring Type		12 wires
Bearing		1
Power factor		0,8
Frequency	Hz	50
Prime power	KVA	160
Exciter Type		Brushless, self-excitation
Voltage regulation	%	±0.5
Protection Grade		IP 23
Insulation grade		H

### Controller-Deepeat

Model DSE 6120

7 configurable digital inputs  
Built-in governor and AVR control  
Base load (kW export) functionality  
Mains (utility) de-coupling protection  
Generator power (kW, kVA) monitoring  
Overload (kW & kV Ar) protection  
Emergency stop  
Start failure



### Unit Dimensions(Basic unit)

L*W*H	mm	3050x1050x1730
Weight	kg	1.920

### Warranty

#### Cummins Engine

12 months from date of purchase or 1000 hours.

#### Generator

12 months from date of purchase or 1000 hours



YOUR INTERNATIONAL PARTNER FOR  
**NEW AND USED GENERATOR SETS**