



Cummins 28 kva Diesel generator



Technical Data

Model		AJ- 28C
Prime power	kva	25
	kw	20
Standby power	kva	28
	kw	22
Rated voltage line to line	V	230/400
Rated current	A	36
Maximun sound level	dB@7m	72
Engine-Cummins		
Model		4B3.9-G2
Aspiration		Four-stroke, water-cooled, In line, Natural apirated
Fuel system		BYC A electrical governor
No. cylinders		4
Displacement	L	3,9
Bore*Stroke	mm	102x120
Compression ratio		18.0:1
Rated speed	r/min	1500
Governor		Electric system
Engine wet weight	kg	308
Engine idel speed		950-1050
Fire order		1-3-4-2
Start Motor	V	24
Exhaust System		
Max exhaust back pressure	kPa	10
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	7,5
100% load(Prime power)	L/h	6,7
75% load(Prime power)	L/h	5,2
50% load(Prime power)	L/h	3,9
25% load(Prime power)	L/h	2,7
Fuel capacity for silent genset	L	120
Lubrication System		
Idle speed oil pressure	kPa	207
Governed speed oil pressure	kPa	345
Max Oil temp	°C	121
Oil capacity	L	10,9
Cooling System		
Coolant capacity--Engine only	L	7,2
Max coolant friction head to engine	Kpa	35
Max water temp standby/prime power	°C	110/104
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:○	



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Alternator

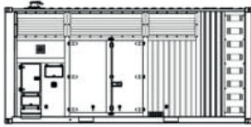
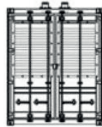
Model		SOL1-M1
Alternator Brand		Stamford
Phase		3
Voltage	V	230/400
Wiring Type		12 wires
Bearing		1
Power factor		0,8
Frequency	Hz	50
Prime power	KVA	25
Exciter Type		Brushless, self-excitation
Voltage regulation	%	±0,5
Protection Grade		IP 23
Insulation grade		H

Controller-Deepeacea

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	2210x970x1320	
Weight	kg	1.034	