DIESEL POWER GENERATOR

POWER GENERATORS / STATIONARY / THREE-PHASE / SOUNDPROOF CANOPY

Model	180 / 200 kVA, diesel	C200

We value the high quality of our products

Soundproof canopy with lockable doors, Cummins engine, Stamford alternator, ComAp InteliLite 4 AMF25 controller, four industrial sockets directly on the unit and a fuel tank in the base frame.

Prime: power for continuous operation. Standby: power for emergency operation.

Overall view

Engine compartment

Controls and sockets

GENERAL PARAMETERS		
Standby power (cos φ = 0.8):	kVA / kW	200 / 160
Prime power (cos φ = 0.8):	kVA / kW	180 / 144
Rated current:	A	262
Rated voltage (line-to-line), phases:	V	400 / 3
Frequency:	Hz	50
Sound level at 7 m (max.):	dB	73

PHYSICAL PARAMETERS OF THE GENSET		
Fuel:		diesel
Fuel consumption at 100 % prime power:	l/h	42
Fuel tank capacity:	l	350
Running time at 100 % prime load (approx.):	h	8.3
Genset dimensions (L × W × H):	mm	3350 × 1200 × 1750
Net weight of the genset:	kg	2180

ENGINE		Cummins 6CTA8.3-G2
Design:		4-stroke, water-cooled, in-line
Injection system:		direct injection
Aspiration:		turbo + charge air cooling
Number of cylinders:		6
Displacement:	l	8.3
Bore × stroke:	mm	114 × 135
Compression ratio:		17.3 : 1
Rated speed:	rpm	1500
Idle speed:	rpm	750-850
Speed governor:		electronic
Injection order:		1-5-3-6-2-4
Electrical system, starter:	V DC	24
Max. exhaust back pressure:	kPa	13
Exhaust pipe diameter:	mm	75

ALTERNATOR		Stamford UCI274G
Design:		brushless, self-excited
Bearings / leads:		1 / 12
Winding insulation class:		H
Protection grade:		IP23
Voltage regulation accuracy:	%	± 0.5
Power factor:		0.8

Photos are illustrative. Technical data may change.

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Construction

Soundproof canopy on a steel base frame with integrated fuel tank and forklift openings

Control panel

ComAp InteliLite 4 AMF25

STANDARD EQUIPMENT

- Soundproof canopy, lockable doors
- Cummins engine 6CTA8.3-G2
- Stamford alternator, IP23, insulation class H
- Radiator (belt-driven fans)
- 24 V charging alternator
- ComAp InteliLite 4 AMF25 controller
- Main circuit breaker CHINT 315 A with residual-current protection
- Four industrial sockets (L1-L4)
- Emergency stop button
- Air, fuel and oil filter
- Two batteries (24 V system) with rack and cables
- Exhaust system with flexible joint, silencer, flange
- Base frame with fuel tank, user manual

OPERATING PARAMETERS

Fuel consumption at 110 % (standby power):	l/h	48
Fuel consumption at 100 % prime power:	l/h	42
Fuel consumption at 75 % prime power:	l/h	31
Fuel consumption at 50 % prime power:	l/h	21
Fuel consumption at 25 % prime power:	l/h	13
Engine oil capacity:	l	27.6
Coolant capacity (engine only):	l	12.3
Oil pressure, idle / rated speed:	kPa	103 / 276-414
Max. oil temperature:	°C	121
Max. coolant temperature (standby / prime):	°C	104 / 100

COMAP INTELILITE 4 AMF25 CONTROLLER

- **7-digit display, built-in governor and AVR control**
- **Generator power monitoring (kW, kVA)**
- **Overload protection (kW, kVAr)**
- **Mains de-coupling protection**
- **Base load function (kW export)**
- **Emergency stop, start failure monitoring**

Fuel consumption values apply to prime (continuous) power; running time is an estimate.

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