

Model

40 / 45 kVA, diesel

C45



We value the high
quality of our
products

Soundproof canopy with lockable doors, Cummins engine, Stamford alternator, ComAp IntelliLite 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



GENERAL PARAMETERS

Standby power (cos φ = 0.8):	kVA / kW	45 / 35
Prime power (cos φ = 0.8):	kVA / kW	40 / 32
Rated current:	A	59
Rated voltage (line-to-line), phases:	V	400 / 3
Frequency:	Hz	50
Sound level at 7 m (max.):	dB	72

PHYSICAL PARAMETERS OF THE GENSET

Fuel:		diesel
Fuel consumption at 100 % prime power:	l/h	9.3
Fuel tank capacity:	l	120
Running time at 100 % prime load (approx.):	h	12.9
Genset dimensions (L × W × H):	mm	2280 × 950 × 1250
Net weight of the genset:	kg	1040

Engine compartment



ENGINE

Cummins 4BT3.9-G2

Design:		4-stroke, water-cooled, in-line
Injection system:		direct injection
Aspiration:		turbo
Number of cylinders:		4
Displacement:	l	3.9
Bore × stroke:	mm	102 × 120
Compression ratio:		18 : 1
Rated speed:	rpm	1500
Idle speed:	rpm	950-1050
Speed governor:		electronic
Injection order:		1-3-4-2
Electrical system, starter:	V DC	24
Max. exhaust back pressure:	kPa	10

Controls and sockets



ALTERNATOR

Stamford S1L2-K1

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, forklift openings and lifting eyes

Control panel

ComAp IntelliLite 4 AMF25



STANDARD EQUIPMENT

Soundproof canopy, lockable doors
Cummins engine 4BT3.9-G2
Stamford alternator, IP23, insulation class H
Radiator (belt-driven fans)
24 V charging alternator
ComAp IntelliLite 4 AMF25 controller
Main circuit breaker CHINT 63 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	10.3
Fuel consumption at 100 % prime power:	l/h	9.3
Fuel consumption at 75 % prime power:	l/h	7.3
Fuel consumption at 50 % prime power:	l/h	5.3
Fuel consumption at 25 % prime power:	l/h	3.4
Engine oil capacity:	l	10.9
Coolant capacity (engine only):	l	7.2
Oil pressure, idle / rated speed:	kPa	207 / 345
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, kVA)
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.