

PRODUCT INFORMATION

Hahn & Sohn C45 diesel generator

Hahn & Sohn C45 is a three-phase soundproofed diesel generator with an output of 40 kVA (32 kW) in continuous operation and 45 kVA (35 kW) in standby operation. It is powered by a four-cylinder Cummins 4BT3.9-G2 engine, electricity is generated by a Stamford alternator, and operation...



PARAMETER	VALUE
Category	Industrial power generators
Warranty	1 yaer
Weight	1045 kg
Model	C45
Fuel	diesel
Rated power	40 kVA / 32 kW
Standby power	45 kVA / 35 kW
Voltage	400 V (combined), 50 Hz, 3-phase (230/400 V alternator)
Rated current	59 A
Power factor	0,8

PARAMETER	VALUE
Noise level	72 dB @ 7 m
Engine	Cummins 4BT3.9-G2
Engine type	4-stroke, water-cooled, in-line, 4-cylinder, direct injection, turbocharged
Engine capacity	3,9 l
Bore x stroke	102 x 120 mm
Compression ratio	18:1
Revolutions per minute	1,500 rpm (idling 950-1,050)
Speed control	electronic controller
Injection sequence	1-3-4-2
Starter motor	24 V
Tank capacity	120 l
Fuel consumption	10.3 l/h (110 per cent) / 9.3 l/h (100 per cent) / 7.3 l/h (75 per cent) / 5.3 l/h (50 per cent) / 3.4 l/h (25 per cent)
Oil capacity	10,9 l
Coolant (engine only)	7,2 l
Maximum oil temperature	121 °C
Max. coolant temperature (standby / prime)	104 / 100 °C
Max. exhaust back pressure	10 kPa
Alternator	Stamford S1L2-K1, single bearing, IP 23, H-class insulation, brushless
Voltage regulation accuracy	±0.5 per cent

PARAMETER	VALUE
Control unit	ComAp IntelliLite 4 AMF25
Dimensions (L x W x H)	2 280 x 950 x 1 250 mm

Data from Hahn & Sohn product documentation. Before selecting a model, confirm the intended application, configuration and operating conditions.

Full information: <https://hahn-sohn-eu.vercel.app/en/hahn-sohn-naftova-elektrocentrala-c45/>