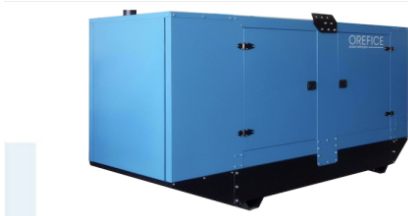


## OREFICE Newton NF100.5LS35 Generator Set 110KVA AVR StageV



Reference: NF100.5LS35

### OREFICE Newton NF100.5LS35 Generator Set 110KVA AVR StageV

**OREFICE Newton NF100.5LS35 Generator Set 110KVA** is a high-performance three-phase diesel generator, designed to provide reliable power both in continuous service and in emergency situations. With a **continuous power of 100 kVA (80 kW)** and a **standby power of 110 kVA (88 kW)**, this generator set is capable of supporting high loads and ensuring operational continuity in various applications.

The heart of the Newton NF100.5LS35 is an **FPT Iveco 4-cylinder 3.6-liter engine**, water-cooled and with TAA aspiration. This engine delivers a **flywheel net power of 83 kWm at 1500 rpm**, ensuring efficient and reliable performance. Fuel consumption varies depending on the load, with 22 l/h at 100%, 16.2 l/h at 75% and 11 l/h at 50%.

The **TAA model TAL044D alternator**, with a continuous power of 100 kVA and insulation class H, ensures stable and high-quality power production. The Parallel Star connection and AVR regulator guarantee precise voltage and frequency regulation.

The Newton NF100.5LS35 is available in a **soundproof version (Newton 80)**, with dimensions of 2900x1100x1850mm, weight of 1950 kg and a noise level of 65 dB(A) at 7 meters. The standard 220-liter fuel tank can be expanded up to 1200 liters for greater autonomy.

The generator set is equipped with **two 80 Ah 24 V batteries** for reliable starting. The **automatic main panel** includes a 24 V; 5A battery charger, a TBU.AUT and AMF25.AUT control panel, N.D. expansions See AMF25 and a 4-pole 160 Amp circuit breaker.

#### Technical Features :

Continuous Power: 100 kVA 80 kW  
Standby Power: 110 kVA 88 kW  
Voltage: 400/230 V  
Phases: 3+N  
Frequency: 50 Hz  
P.F: 0.8  
Fuel: Diesel  
Engine Make: FPT Iveco  
N° Cylinders: 4  
Displacement: 3.6 lt.  
Intake: TAA  
Cooling: Water  
Flywheel net power (PRP): 83 KWm

Engine speed: 1500 rpm  
Consumption 100%: 22 l/h  
Consumption 75%: 16.2 l/h  
Consumption 50%: 11 l/h  
Alternator Brand: TAA  
Alternator Model: TAL044D  
Continuous Power: 100 kVA  
Insulation Class: H  
Connection: Parallel Star  
Phases: 3 + N  
Regulator: AVR  
Model: Newton 80  
Dimensions (LxWxH): 2900x1100x1850mm  
Standard fuel tank: 220 L  
Weight: 1950 kg  
Noise level: 65 dB(A) at 7 meters

#### **Battery**

Quantity: 2  
Capacity: 80 Ah  
Voltage: 24 V  
Emission Standard: STAGEV

#### **Automatic Main Panel**

Battery Charger: 24 V; 5A  
Control Panel: Version: TBU.AUT  
Expansions: N.D. See AMF25  
Circuit Breaker: 4 pole 160 Amps  
Version: AMF25.AUT  
Emission Standard: STAGEV

Looking for a generator set with different technical features?

[HERE](#) you can find the area dedicated to OREFICE generator sets or other specialized brands.

Images and technical data are not binding. Please always consult the technical data sheet issued by the manufacturer.  
Manel service does not assume responsibility for any changes made by the manufacturer.

## **Technical Sheet**

Phase	Single phase / Three phase
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	230 / 400
Engine	FPT IVECO
Engine rpm (rpm)	1500
Starting system	Elettrico
Engine capacity (cm <sup>3</sup> )	3.6 lt
Number cylinders	4
Cooling	Water
Alternator	TAA - TAL044D
Motor insulation class	H
Fuel tank capacity (L)	220

Consumption (L/h)	2 al 75% del carico
Acoustic pressure	65 dB(A) at 7 m
Length (mm)	2900
Width (mm)	1100
Height (mm)	1850
Dry weight (Kg)	350
Product type	Generator
Voltage regulator	AVR
Continuous power [kW]	80
Maximum power (KW)	88
Continuous Power (KVA)	100
Maximum Power (KVA)	110