



## GENMAC DUPLEX G20YO Generating set 20 KVA 16 KW Open Automatic

Reference: DUPLEX G20YO-E3

### GENMAC DUPLEX G20YO Generating set 20 KVA 16 KW Open Automatic

Open generator with the following structural characteristics:

Frame:

- Made of high quality steel UNI S235 JR with welded base
- Highly resistant vibration dampers between engine, alternator and crankcase
- Tank with drain for emptying
- Dedicated cable entry area for load connection
- Fuel loading niche
- Feet and four lifting rings fixed to the base

Framework:

- Metal square, with rear closing case
- Dedicated cable entry area for load connection

All machines and components are tested in prototyping, construction and production. A special control procedure during the various stages of production ensures long life and reliability.

QFIA-4520

Protective flap

Thermal-magnetic circuit breaker

Automatic Control Unit DSE4520

- Voltmeter, Frequency Meter, Ammeter
  - Reading Generator power (kW, kV Ar, kV A & pf)
  - Hour counter
  - Fuel tool
  - Overload protection (kW & kV Ar)
  - Low oil pressure protection
  - High refrigerant temperature protection
  - Low fuel level protection
  - Alternator battery charger failure
  - Overrunning protections
- Emergency Stop button  
Terminal block for connection Automatic Framework  
Battery Charger  
On/off switch

#### Technical features GENMAC DUPLEX G20YO-E3

Power supply: Diesel

Continuous power PRP (kVA): 18

Continuous power PRP (kW): 14  
 LTP stand-by power (kVA) 20  
 Stand-by power LTP (kW) 16  
 Power factor cos fi?: 0.8  
 Phase type: three-phase  
 VAC voltage: 400/230 V  
 Frequency (Hz): 50  
 PRP/LTP amps: 26 / 28 A  
 Voltage regulator: AVR  
 Automatic Control Unit QFIA-4520  
 RPM: 1500  
 Length (mm): 1400  
 Width (mm) 660  
 Height (mm): 1360  
 Net weight (kg): 430

Non-binding images and technical information.

## Technical Sheet

Phase	Three phase
Maximum power three phase (KW)	16
Continuous power three phase (KW)	14
Maximum power three phase (KVA)	20
Continuous power three phase (KVA)	18
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	230 / 400
Engine	3TNV88-GMG
Engine rpm (rpm)	1500
Speed governor	Mechanical
Starting system	Electric
Engine capacity (cm <sup>3</sup> )	2190
Number cylinders	4
Oil capacity (L)	6.7
Cooling	Coolant Liquid
Poles	4
Tank capacity (L)	100
Consumption (L/h)	2.7 at 75% of the load
Running time (h)	37

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Length (mm)	1400
Width (mm)	660
Height (mm)	1360
Dry weight (Kg)	430
ATS Switch device	Optional ATS
Voltage regulator	AVR
Engine manufacturer	Yanmar

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