GULFPOWER

ELECTRICAL POWER GENERATORS

CALL CENTER 920002985

رؤيـــة VISION 2030

المملكة العربية السعودية

KINGDOM OF SAUDI ARABIA

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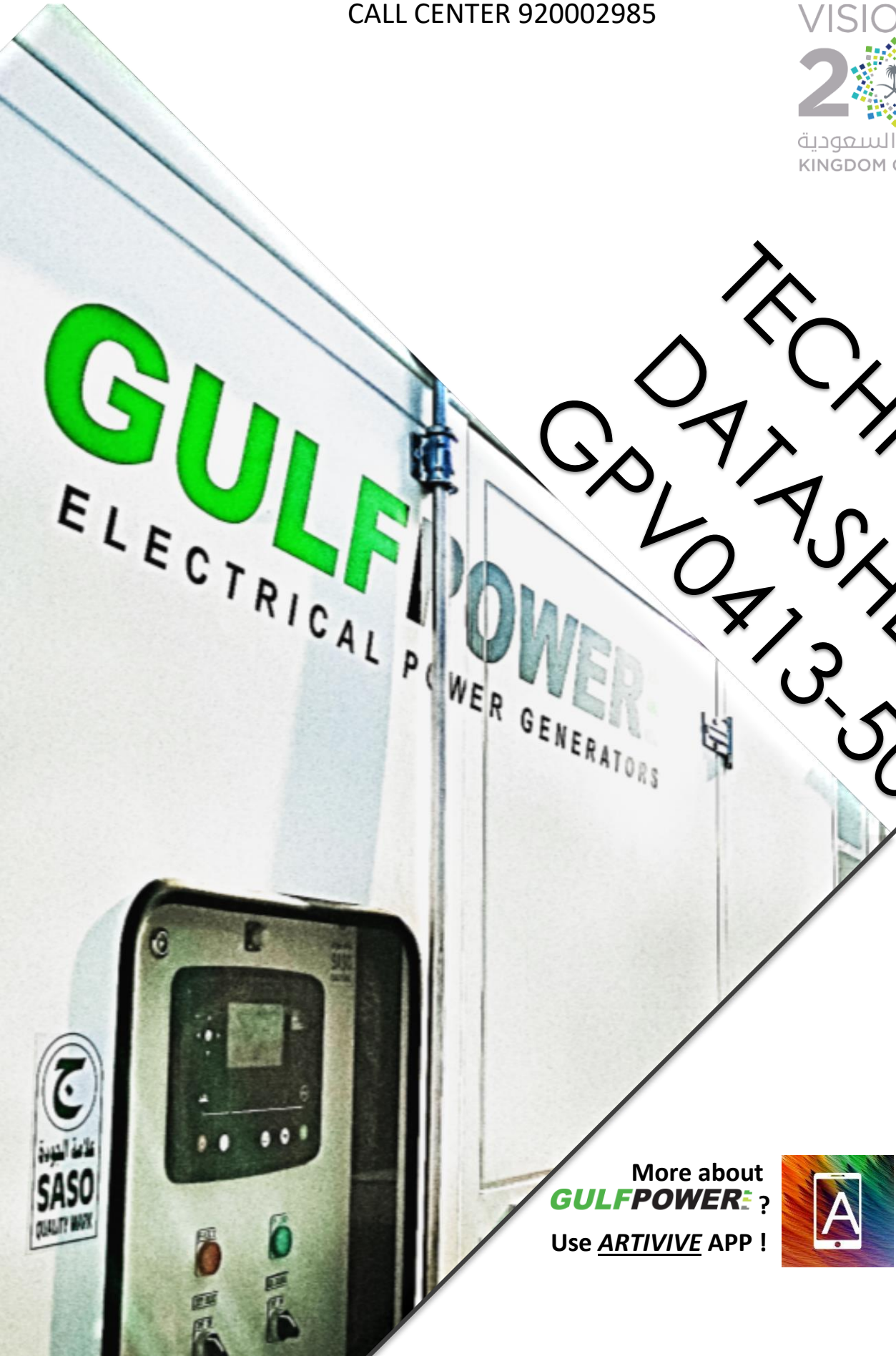
TECHNICAL DATASHEET GPV0413-50



More about GULFPOWER ?

Use *ARTIVIVE* APP !

OR scan the QR code !

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Why to go with GULFPOWER?

- Proudly a Saudi Product

  GULFPOWER genset are proudly assembled in Saudi Arabia with the highest quality by being the first genset factory in Saudi Arabia achieving the SASO certificates and supporting the local content in line with the Saudi 2030 Vision.

- Single Source Responsibility

  GULFPOWER provides one-source responsibility for the Diesel Generator Sets , Panels (ATS , Sync , MDB) , accessories (Fuel systems, Tanks , Cables … etc.,,) , genset rental , Special studies , turnkey installation project And Strong qualified engineers to support you with the best solutions.

- Genset designed for the harsh environment

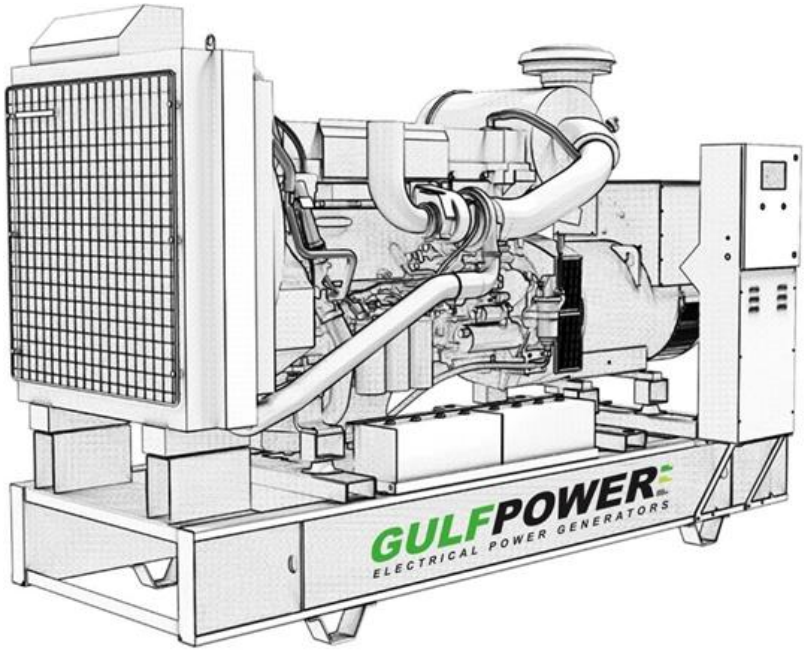
  GULFPOWER genset designed to handle the harsh weather in MENA regain specially in Saudi Arabia, GCC and Egypt (hot weather and high humidity)

- Product with our own design

  GULFPOWER has its own R&D and engineering team to make the perfect design for genset matching the customer requirements.

- After Sales Services

  GULFPOWER after Sales service are available across the kingdom of Saudi Arabia and outside of it by our dealers serving you with any spare parts or maintenance required



GPV0413-50

50 Hz	Standby kVA	Standby kW	Prime kVA	Prime kW
440V 415V 400V 380V 220V	413	331	379	303

* 60 Hz Option available: (GPV0445-60), Standby: 445 kVA / Prime: 411 kVA

Ratings Definition

- Emergency standby power (ESP)

  Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. Emergency Standby Power (ESP) is in accordance with ISO 8528. Fuel Stop power in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.

- Prime power (PRP)

  Applicable for supplying power to varying electrical load for unlimited hours. Prime Power (PRP) is in accordance with ISO 8528. Ten percent overload capability is available in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514

AD-TD-VP-1343B-H4F311-V3.0-0320-AO

ENGINE SPECIFICATION

Engine Manufacturer	Volvo Penta
Engine Model	TAD1343GE-B
Engine Speed	1500 RPM
Max. power at rated rpm-with fan, kWm (BHP)	366 (498)
Engine Type	4-Cycle; In-line; 6-Cylinder Diesel
Aspiration	Turbocharged and Charge Air Cooled
Bore and Stroke	131 x 158 mm (5.16 x 6.22) inch
Displacement	779.7 inch^3 (12.8 litre)
Compression Ratio	18.1 : 1

Governor: type, make/model	EMS 2.4
Wet Weight – Fan to Flywheel Engine (Approximate)	3946 lb (1790) kg
EXHAUST SYSTEM	
Maximum Back Pressure	1.5 psi (10 kPa)
COOLING SYSTEM	
Cooling System Type	Water Cooling
FUEL SYSTEM	
Type Injection System	Electronic fuel injection
ELECTRICAL SYSTEM	
Starting Motor	24 Volt

ALTERNATOR SPECIFICATION

Insulation System	Class H
Protection	IP23
Rated Power Factor	0.8
Stator Winding	Double Layer Concentric
Winding Pitch	Two Third
Maximum Over speed	2250 RPM

- NEMA MG1, IEEE, and ANSI standards compliance for temperature rise and motor starting
- PMG Sustained short-circuit current of up to 300% of the rated current for up to 10 seconds
- Self-ventilated and drip proof construction
- Vacuum-impregnated windings with fungus-resistant epoxy varnish for dependability and long life
- Superior voltage waveform from a two-thirds pitch stator and skewed rotor & Fast-Response

GULFPOWER GENSET SUPPLIED AS STANDARD WITH:

- Circuit Breaker
- Battery charger
- Set of Batteries
- Muffler

ADDITIONAL OPRTIONAL ACCESSORIES:

- Jacket Water Heater
- PMG
- Alternator Space Heater
- Annunciator
- Horn

* Additional Options are available as per your requirements, please consult GULFPOWER Team.

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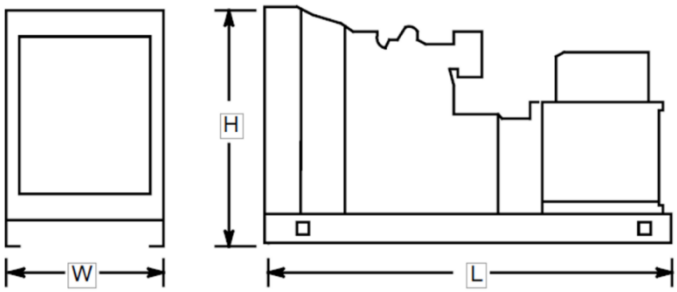
FUEL CONSUMPTION

FUEL CONSUMPTION		
%	Liter/ hour	US Gal/ hour
STANDBY POWER		
100	88	23
PRIME POWER		
100	80	21
75	60	16
50	40	10
25	23	6

DIMENSIONS AND WEIGHT

Overall Size, max., mm : W=1909 , H= 1095 , L = 3173



NOTE: This drawing is provided for reference only and should not be used for planning installation. Contact GULFPOWER team for more detailed information.

CONTACT US:

CALL CENTER: 920002985

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CONTROL PANEL

InteliLite^{NT} MRS16

These controllers are easy to use and feature an intuitive user interface with graphic display. The built-in event and performance log with backed-up real time clock makes troubleshooting even simpler.

- 3 phase generator protections
- True RMS current measurement
- Power Measurements
- Event Performance log + RTC
- User Interface
- Communication Interfaces

* Please refer to Data sheet for details.

InteliGen^{NT}

InteliGen is a comprehensive controller for both single and multiple gen-sets operating in standby or parallel modes.

- Automatic synchronizing and Power control
- Base load Import/ Export
- Peak shaving
- Integrated PLC programmable functions
- Event based history

* Please refer to Data sheet for details.

* Additional Controlling solution are available, please consult GULFPOWER team for more information