ComX Computers
Product Specification Sheet

GEN-FAW55

FAW 55kVA 3 Phase Diesel Silent Generator

Product Overview

FAW 55kVA 3 Phase Diesel Silent Generator (380V), 50KVA (Prime)/ 55KVA (Standby)



Specifications

Features:

- Maximum 55kVA standby power at 230/400v @50Hz 1500rpm
- Powerful FAW four-cylinder 1500rpm water cooled 4DX23-65D series diesel engine
- Ideal for home and small business applications
- Silent canopy which can stand outside with lockable doors
- Automatic changeover (ATS), maintenance free batteries and trickle charger included
- Long range diesel tank allows for longer run times (230l)
- Four-way protection system included
- H-specification insulation, brushless alternator with AVR provides stable output
- Easy to use digital controller with auto and manual start options

Engine

- FAW diesel engine
- Four cylinder water cooled
- Electronic fuel pump
- 24v DC starter and charge alternator
- Replaceable fuel filter, oil filter and dry element air filter
- Cooling radiator and fan
- Exhaust silencer
- Maintenance free battery including rack and cables

Alternator

- Brushless, single bearing system, four poles
- Insulation class H with circuit breaker protection
- Standard degree of protection IP21
- Self-exciting and self-regulating

- Screen protected and drip proof
- Automatic voltage regulator

Chassis

- The complete generator set is mounted as a whole on a heavy duty fabricated, steel base frame
- Steel chassis and anti-vibration pads
- Base frame design incorporates an integral fuel tank
- The generator can be lifted or carefully pushed/pulled by the base frame
- Dial type fuel gauge on the fuel tank

Canopy

- Ventilation parts are designed with modular principles
- Weather resistant and lined with sound reducing foam
- All metal canopy parts are painted by powder paint
- Panel window
- Lockable doors on each side
- Easy maintenance and operation
- Easy lifting and moving
- Thermally Insulated engine exhaust system
- Exterior emergency stop push button
- Sound attenuated

Control system

Control supervision and protection panel is mounted on the genset base frame. The control panel is equipped as follows:

Auto mains failure control panel

- Controller with Smartgen automatic transfer switch
- 420 Smartgen electronic controller
- Emergency stop push button
- Static battery charger
- Four-pole electrically and mechanically interlocked ATS

Generating set control module 420 Smartgen features

- This module is used to monitor a mains supply and automatically start a standby generating set
- Shutdown alarms
- STOP/RESET-MANUAL-AUTO-TEST-START

Metering via LCD display

- Mains volts (L-L/L-N)
- Generator amps (L1, L2, L3)
- Generator frequency; generator (cos)
- Engine hours run; plant battery (volts)
- Engine oil pressure (psi and bar)
- Engine speed (rpm)
- Engine temperature (degrees C)

Automatic shutdown and fault conditions

- Under/over speed; fail to start
- High engine temperature; fail to stop
- Low oil pressure; charge fail

- Under/over generator volts
- Under/over generator frequency; emergency stop
- Start failure
- Under/over mains voltage
- Charge failure

Specifications:

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Specifications	
Product Code	GEN-FAW55
General Details	
Structure type	Silent weather resistant enclosure
Dimensions Length x Width x Height	2300mm x 950mm x 1240mm
Dry weight	1036kg
ATS unit included	Yes
Four-way protection system included	Yes
Enige Details	
Diesel generator model	4DX23-65D
Engine make	FAW
Displacement	3, 86l
Cylinder bore/Stroke mm	102mm x 118mm
Fuel system	In-line fuel injection pump
Cylinders	4
Cylinder arrangement	Vertical in-line
Engine output power at 1500rpm	48kW
Turbocharged or normally aspirated	Turbocharged and intercooled
Cycle	Four stroke
Combustion system	Direct injection
Compression ratio	17::1
Fuel tank capacity	280l
Fuel consumption 100%	12.29 l/h
Fuel consumption 75%	9.21 l/h
Fuel consumption 50%	6.14 l/h
Fuel consumption 25%	3.07 l/h
Oil type	15W40

Oil capacity	13l
Cooling method	Radiator water-cooled
Coolant capacity (including radiator)	15l
Starter	24v DC
Governor system	Mechanical
Engine speed	1500rpm
Alternator Details	
Alternator brand	STRÖMER
Standby power output	55kVA
Prime power output	50kVA
Insulation class	H
Type	Brushless
Phase and connection	Three phase, four wire
AVR	Yes
AVR model	SX460
Voltage regulation	+/- 1%
Voltage	230/400v
Rated frequency	50Hz
Voltage regulate change	<= +/-10% UN
Phase change rate	+/- 1%
Power ractor	0.8
Protection class	IP21
Stator	2/3 pitch
Rotor	Single bearing

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: https://www.comx-computers.co.za/GEN-FAW55-FAW-55kVA-3-Phase-Diesel-Silent-Generator-p-219448.php

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