



HFC227 GAS AUTOMATIC FIRE SUPPRESSION SYSTEM (BFIRE27)



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»»» GENERAL SPECIFICATION

Fire suppression gas: HFC227

- Molecular weight: 3 g/mol
- Boiling point at 1 atm: 16°C
- Freezing point: -131.1°C
- Protected volume: 230 m³
- Quantity of cylinder: 04 cylinders (or more dependent on requirement)
- Cylinder volume: 89 lít
- Weight of gas per cylinder: 75 kg
- System standard: UL, NFPA
- Set of product is completed in OECD countries, Country of origin of set of product is OECD countries

»»» FIRE ALARM CONTROL PANEL

- High sensitivity 0.03 Obs/m ÷ 25 Obs/m
- Standard: EN
- 4 sampling pipes, up to 200m maximum total length
- Large area detect up to 2000m²
- Power supply: 20 ÷ 30 VDC



»»» SYSTEM CONTROLLER

- System controller with 6 input zone (cross zone support)
- Standard: UL
- Release time delay 0 ÷ 60 s (5s increments)
- Manual release delay 0 ÷ 30 s (5s increments)
- Power supply: 220 VAC



»»» FIRE HORN AND STROBE

- Type: LED
- Standard: UL 464
- Power supply: 24 VDC



»»» FIRE BELL

- Size: 10 inch
- Sound level: 85 db at 3 m
- Power supply: 24 VDC/20 mA
- Standard: UL/FM



»»» MANUAL FIRE LARM BUTTON

- Glass cover and break glass type with red color



»»» FIRE ABORT BUTTON

- Emergency abort press and hold button, yellow/green color



»»» BACK-UP POWER SUPPLY

- Backup power supply to ensures at least 12 hours at normal operation mode and 1 hour alarm mode. (NFPA; TCVN 5738-2001)



»»» CABLE

- PVC insulated cables type.
- Cable routing for fire alarm system is separate with another system.
- Cable size 1.5 mm²



»»» CYLINDER

- Ingress protection: IP54
- Weight of gas per cylinder: 75 kg
- Volume: 89 liters
- Quantity of cylinder: 04 cylinders or more, depend on system require.
- Cylinder standard: DOT- 4BW500
- Agent fill pressure: 24.8 bar
- Cylinder rated working pressure: 34.5 bar
- Cylinder material: Carbon Steel
- Cylinder dimension (Diameter x Height): 350 x 1290 mm
- Empty weight: 66.3 kg
- Cylinder valve: 40 mm
- Cylinder valves are integrated with pressure gauge



»» ELECTRIC ACTUATED VALVE

- Actuator type: electric
- Integrated with manual release button
- Standard: C-UL-US
- Power supply: 24VDC
- Integrated with pressure switch monitoring 30 VDC, 5A

»» NOZZLE

- Size: 20 mm
- Material: Steel (fire resistance coating)



»» GALVANIZED STEEL PIPE

- Diameter 25 mm
- Thickness 2.6 mm



»» PORTABLE VENTILATION SYSTEM: 01 SYSTEM

General specification:

- + Airflow: More than 50,000 m³/hour with open area
- + Noise level at 3 m: 99 dB
- + Material: fiberglass nylon compound
- + Fan blade size: 27 inch (680 mm)
- + Drive: Belt-drive

Dimension:

- + Dry weight: 154lbs (69kg)
- + Width: 30.11 inch (765 mm)
- + Depth: 22.83 inch (580 mm)
- + Folded height : 32.50 inch (825 mm)
- + Expanded height : 48.9 inch (1220 mm)
- + Biggest main frame tube : (25 x 25) mm
- + Auxiliary frame tube: (18 x 18) mm
- + Depth of fan cage 200 mm
- + The maximum diameter of the fan cage: 706 ÷ 708 mm
- + 2 big wheels dimension (diameter 8.0 inch, width 2.0 inch), Five adjustable position tilt

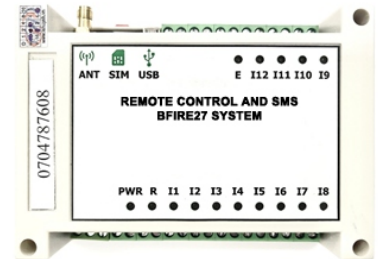
Engine specification:

- + Engine type: Honda GX270, 4 stroke
- + Fuel: A86 gasoline and higher
- + Engine power: 8.5 HP
- + Fuel tank capacity: 6.0 liters
- + Engine oil capacity: 1.1 liters
- + Adjustable tilt angle range: -10°C to +15°C.
- + Fan blade: 9 blades removable each once, made of polycarbonate
- + Flexible duct hose system: 15 m length, capable of folding when not in use, PVC material



»» REMOTE CONTROL, DISPLAY CENTER BOX AND MESSAGE

- Control box is integrated with RF wireless signal transmission at 433 MHZ frequency to Control Center following these information:
 - + Level 1 alarm, Level 2 alarm, Abort button is activated, system has be discharged, system trouble. And receive comment from Control Center to active Abort button and turn off horn and strobe
 - + Control box transmits signals 24/24 to the Control Center to monitor the system status 24/24
 - + Automatically to send messages when alarms occur to designated phone numbers
- Control Center includes: Display screen complete with signal receiver box for monitoring control panel from warehouses with detailed specification:
 - + Screen size: ≥ 40 inch
 - + Wireless receiving frequency 433 MHZ, 24/24 monitoring
 - + Information is display by intuitive graphics
 - + Power supply: 24 VDC
 - + Alarm by sound and visual graphics



»» TOUCHSCREEN CONTROL SYSTEM

- + Control type: Touch control with intuitive display diagram
- + Open and close the valve by directly control the sensor on the system diagram
- + Operating voltage: 24VDC/220VAC
- + Power consumption: 21.6 w
- + Display size: (300 x 230) mm
- + Screen size: 15 inch
- + Resolution: 1024 x 768 pixel
- + Processor speed: 1Ghz (ARM -A8)
- + Ability to control positions: 48 position
- + Connection type: RS422, RS232, RS485, USB, Ethernet
- + Connect to: Open, close fire valve systems; Remote control and message system; Alarm system (when incidents occur)
- + Total number of control ports: 48 port
- + Diagram of the fire suppression system, the control point locations are displayed on the screen
- + Interface language: English and/or Vietnamese
- + Temperature parameter in the warehouse is displayed on the touchscreen





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