Wolf® VF-EFi150xx 40cm Ex-proof Fan

IMPA code: 591507

The Wolf VF-EFI150XX is the **most powerful ex-proof fan** in the series, featuring a 40 cm (16-inch) diameter designed for operations requiring the highest airflow rates in hazardous locations. Offered by **IST Safety Ltd, the official distributor of Wolf**, this massive capacity unit is a professional solution engineered for the rapid evacuation of flammable, explosive, or toxic gases accumulated in very large confined spaces.

Certified for Zone 1/21, the device ensures maximum safety in explosive atmospheres with its non-sparking impeller and antistatic polymer housing that prevents static electricity build-up. Thanks to its wide 16-inch blade structure, it quickly improves air quality in deep tanks and large industrial facilities, creating a safe working environment for personnel. Its durable construction and high-pressure airflow thrust make this fan indispensable for heavy industrial ventilation projects.

Usage Areas

- **Massive Confined Spaces:** Huge crude oil storage tanks, supertanker holds, and large-scale underground infrastructure projects.
- **Oil & Gas:** Rapid gas purging and fresh air supply operations during major unit shutdowns in refineries.
- **Marine:** Exhausting heavy smoke and vapors in paint shops and cargo holds during shipbuilding and repair processes.
- **Heavy Industry:** Emergency ventilation of wide areas in chemical production plants and power stations.

Certification

- The Ramfan VF-EFi150xx is a 40cm ATEX certified hazardous area fan. ATEX and IECEx certified for safety in explosive atmospheres.
- It is the largest fan in the range.
- Suitable for use in hazardous environments.
- The fan is stackable, allowing multiple units to be combined for increased airflow.

- Stackable design also reduces storage space requirements.
- IP55 rated for dust and water resistance.
- Complies with the EN60079-0,EN60079-1,EN60079-7 and EN14986 standards.
- Gaz Grupları IIA, IIB
- EX II 2 G Ex db eb IIB T6 Gb
  EX II 2 G Ex h IIB T6 Gb

Technical Specifications

- Class-leading airflow of up to 4,459 cfm (7,580 m^3/hr).
- Durable PC/ABS anti-static casing, which is: Weatherproof, Flame retardant, Chemical resistant
- IP55 water-tight, rain-tested switch enclosure.
- Voltage range: 115V/230V
- Comes with 2 duct adapters for attaching various ducting types as needed.

Warranty and Technical Support

- **Warranty:** 2-year manufacturer's warranty.
- **Official Support:** Original spare parts and professional technical service are provided through IST Safety Ltd, the official distributor of Wolf in Turkey.

Standards

Ex-Proof (ATEX)

IECEx

TECHNICAL DETAILS

FANS/VENTILATORS 40CM FAN/VENTILATOR- WOLF VF-EFI150xx 40CM EX-PROOF FAN		
PRODUCT REFERENCE	**VF-EFI150xx (115V)**	**VF-EFI150xx (230V)**

PRODUCT DESCRIPTION	115V 40cm Hazardous Location Fan / Ventilator	230V 40cm Hazardous Location Fan / Ventilator
CODE	II 2 G Ex db eb IIB T6 Gb II 2 G Ex h IIB T6 Gb	
TYPE OF PROTECTION	'db' flameproof enclosures 'eb' increased safety 'h' non-electrical equipment	
AREA OF CLASS(GAS)	Zones 1 & 2, Gas Groups IIA and IIB	
MAX SURFACE TEMP.(GAS)	T6	
AMBIENT TEMP.(GAS)	-20°C TO +40°C	
CERTIFICATE	DEMKO 09 ATEX 0926969X IECEx UL 13.0062X	
ENCLOSURE	Anti-static PolycarbonateABS Alloy	
MOTOR	1.5 Hp (1.1 kW)	
VOLTAGE	115V 50/60Hz	230V 50/60Hz
Amps:Start Amps: Run	115V: 80A 115V: 15A	230V: 40A 230V: 8A
AIrflow - Free AIr	4,459 cfm (7,580 m^3/hr)	
AIrflow - Through Duct: 4.6m wIth one 90° turn:	3,179 cfm (5,404 m^3/hr)	
Ingress ProtectIon	IP55	
DImensIons (h/w/d)	48 x 46 x 41 cm	

Weight	28kg
Duct Adapters	2
NOIse	90.2 dB @ 1m

What is ATEX Lighting?

What is ATEX and what does exproof mean? The **ATEX directive** is a set of European Union standards that define the safety requirements for equipment used in hazardous areas with explosive atmospheres. **Exproof** (Explosion-proof) refers to protection methods designed to prevent explosions by inhibiting the formation of sparks or electrical arcs in environments containing flammable gases, dust, or vapors. To ensure life and property safety in industrial facilities, the use of **ATEX-certified exproof devices** is a legal requirement.

What is ATEX Zone Classification?

ATEX Zone coding is a technical classification based on the frequency and duration of the occurrence of an explosive atmosphere in a given area. While the terms **Zone 0, 1, and 2** are used for risks originating from gas, vapor, and mist; the codes **Zone 20, 21, and 22** are designated for environments containing combustible dust. This classification is a legal standard that determines the required Equipment Protection Level (EPL) for devices. Accurate zone identification both optimizes operational costs and minimizes occupational safety risks.

What is IECEx Certification? How Does it Differ from ATEX?

In addition to ATEX certification, some projects may also require the IECEx Certification System (International Electrotechnical Commission Explosive Atmospheres System) certification. IECEx is an internationally recognized conformity assessment system for equipment intended for use in explosive atmospheres.

While ATEX is a European Union directive and a legal requirement within the European market, IECEx is a globally accepted certification system, widely preferred in regions such as the Middle East, Asia, and Australia.

From a technical perspective, both ATEX and IECEx are based on similar standards (e.g., the EN/IEC 60079 series). However:

- ATEX is a mandatory legal directive, whereas
- IECEx is an international certification system (voluntary, but widely required)

Therefore, while ATEX certification may be sufficient for certain projects, international tenders or critical industries such as oil & gas often prefer or require products that are certified to both ATEX and IECEx standards.

The appropriate certification should be determined based on the project location, client requirements, and application area.