Wolf® VF-EFi75xx 30cm Ex-proof Fan



IMPA code: 591506

The Wolf VF-EFI75XX is a 30 cm (12-inch) high-performance **ex-proof fan (ventilator/blower)** designed to provide high-volume air circulation in hazardous locations. Offered by **IST Safety Ltd, the official distributor of Wolf**, this powerful fan is engineered for the rapid and safe evacuation of flammable, explosive, or toxic gases accumulated in large-scale confined spaces.

The device ensures peak safety in Zone 1/21 environments with its special antistatic polymer housing that prevents static build-up and its non-sparking impeller. Thanks to its 12-inch diameter, the VF-EFI75XX generates high-pressure, high-volume airflow, ensuring a continuous supply of breathable fresh air for personnel in the deepest tanks and large-scale underground tunnels. Its robust, impact-resistant design is optimized for the most demanding industrial maintenance operations.

Usage Areas

- **Large-Scale Confined Spaces:** Massive crude oil tanks, ship cargo holds, and large-diameter main sewer lines.
- **Oil & Gas:** High-volume gas purging and ventilation during refinery shutdown periods.
- **Shipyards and Marine:** Exhausting heavy smoke, paint vapors, and welding fumes during shipbuilding and repair processes.
- **Mining and Tunneling:** Fresh air supply in underground excavation sites with explosive atmosphere risks.

Certification

- The Ramfan VF-EFi75xx is an ATEX certified hazardous area blower. ATEX and IECEx certified for use in Zone 1 & 2.
- Weatherproof, flame retardant, and chemical resistant.
- Ideal for challenging work environments.
- Allows maximum flexibility in positioning the ventilator.
- Complies with the EN60079-0,EN60079-1,EN60079-7 and

Standards

Ex-Proof (ATEX)

IECEx

TECHNICAL DETAILS

30CM FAN/VENTILATOR- WOLF VF-EFI75xx 30CM EX-PROOF FAN		
PRODUCT REFERENCE	**VF-EFi75xx (115V)**	**VF-EFi75xx (230V)**
PRODUCT DESCRIPTION	30cm Hazardous Area 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 and 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	0.75 Hp (0.56 kW)	
VOLTAGE	115V 50/60Hz	230V 50/60Hz
AMPS:START	37A	27A
AMPS:RUN	8.8A	4.4A
FREE AIR THROUGH DUCT	2,500 cfm (4,250 m^3/hr)	
15'/4.6m /w one 90° turn	1,664 cfm (2,829 m^3/hr)	
15'/4.6m /w two 90° turn	1,529 cfm (2,599 m^3/hr)	
Ingress Protection	IP55	
DImenslons (h/w/d)	41 x 38 x 41 cm	
WEIGHT	20kg	
DUCT ADAPTERS	2	
NOISE	89db @ 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.