

Signal and Alarm: Exhaust Fan, EHF Series

Flameproof and Dust protection by enclosure

Zone 1 & 2 – 21 & 22

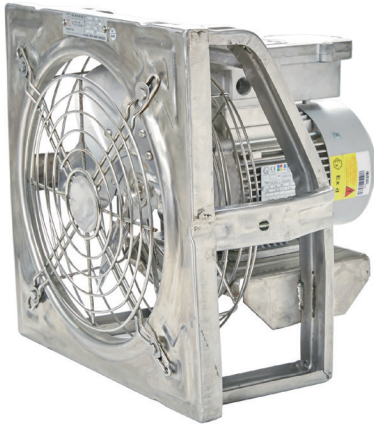


Application

The Exhaust fan is a fan that serves to suck air from the inside to the outside area or to continue the process of air conditioning. Exhaust fans help to ventilate or suck air that has unwanted odors or contaminants from the room/area to be controlled.

Specification

- Motor housing : Cast aluminium with polyester powder coated
- Fan's blade : Polished aluminium or ABS (Acrylonitrile Butadiene Styrene)
- Frame, Guard, Bracket : Stainless steel, SUS 304



Technical Data

Hazardous Area	Gas	Dust
Zones	1 & 2	21 & 22
Motor	3 Phases 380V.ac 50Hz.	
Equipment Group/Category	II 2G	II 2D
Symbol of Protection	Ex d IIC T5/ T4 Gb	Ex tb IIIC T100°C/ T135°C Db IP66
Certificate (motor)	TÜV IT 13 ATEX 039 X (RAEL motor)	
Motor	1 Phase 220V.ac 50Hz.	
Equipment Group/Category	II 2G	II 3D
Symbol of Protection	Ex d IIB T4 Gb	Ex tc IIIB T135°C Dc IP55
Certificate (motor)	TÜV IT 14 ATEX 029 X (RAEL motor)	
Conformity to Standards	EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-31:2014	
Ambient Temperature	-20°C to +50°C	
Entries	2- M20x1.5	
Mounting	Wall mounting	
Rated Voltage	220V.ac or 380V.ac. 50Hz.	

Catalogue Number Logic

EHF	■	-	■ ■
Series	Phase		Blade diameter
1	1 Phase 220V.ac 50Hz.		12 12 inches
3	3 Phases 380V.ac 50Hz.		16 16 inches
			18 18 inches
			24 24 inches

Ordering Requirements

Cat. No.		Blade Diameter	CFM	Dimension in mm.				Approx. Weight (kgs.)
220V.ac 50Hz.	380V.ac 50Hz.			A	B	Ø C	D	
EHF 112	EHF 312	12 inches	900	410	410	Ø 315	203	23.0
EHF 116	EHF 316	16 inches	2100	510	510	Ø 400	203	25.0
EHF 118	EHF 318	18 inches	3000	560	560	Ø 460	203	26.0
EHF 124	EHF 324	24 inches	4500	710	710	Ø 615	203	36.0

Dimension

