



ERM-EX Explosion proof semi-centrifugal duct fans

- Supply of smaller air volumes only at medium resistances
- Housing and impeller made from high quality synthetic material, antistatic
- Semi-centrifugal impeller, favourable flow technology
- Intake equals outlet - simple installation
- Can be fitted in any position

- For commercial use: durable, powerful and robust
- Explosion proof
- Type-examination tested to European Directive 94/9/EC (ATEX)
- Device group II, category 2G
- Protection type "e" Increased safety for zones 1 and 2
- For ventilation or air extraction, depending installation direction
- can be fitted in any position
- Balanced safety technology available
- Up to 870m³/h.

Motor

- Robust motor with ball bearings, maintenance-free
- Capacitor motors with operating capacitor ready for use in terminal box

Electrical connection

- Terminal box fitted to fan housing, explosion proof

Air flow direction

- Airstream and rotational directions are indicated by arrows marked on fan housing

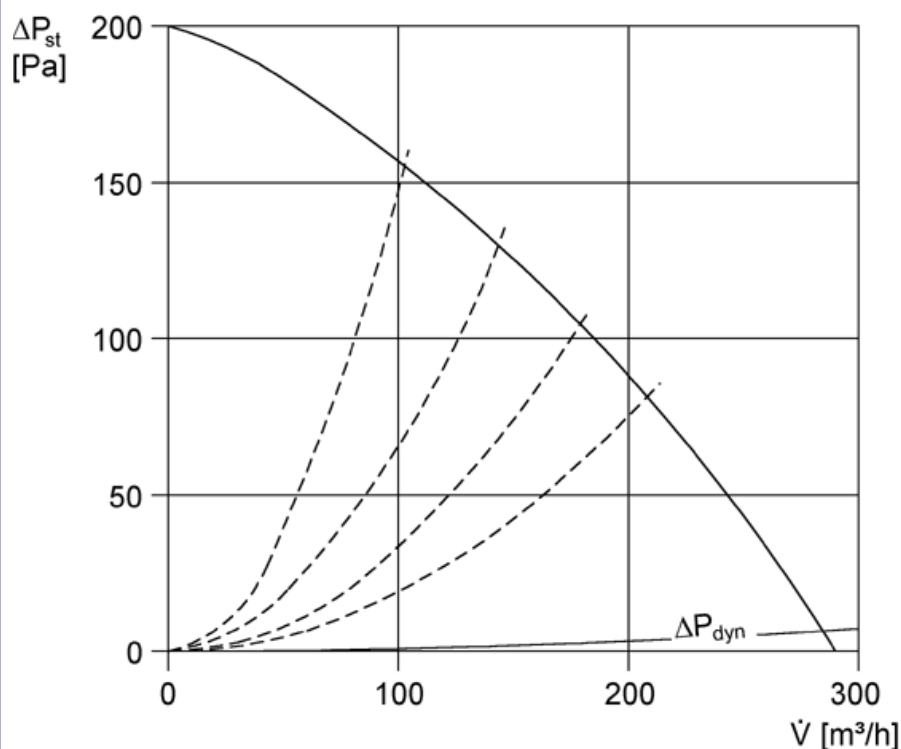
Application examples

- Environment with explosion hazard (zone 1 and 2)
- Dye shop
- Battery room
- Commercial premises
- Production facility

ERM-EX Product Range

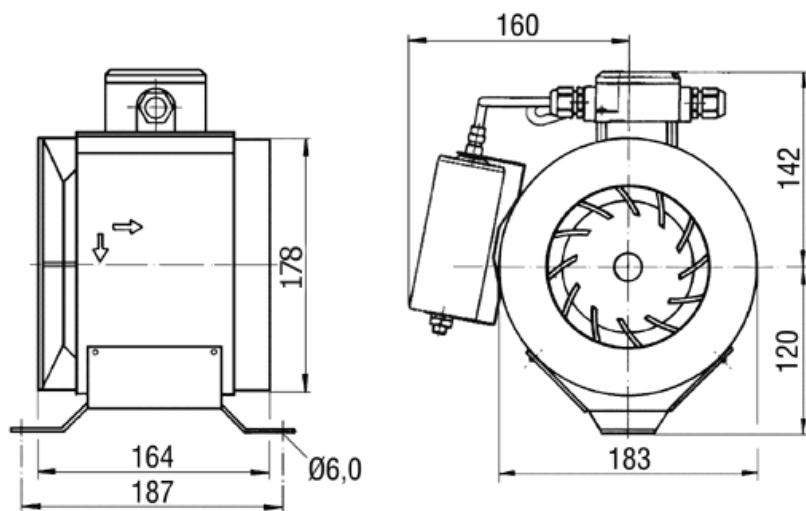
Type	Nominal Size	Rated Voltage	Air flow Volume	Temperature Class	Degree of protection (IP)
ERM 18 E Ex e	180mm	230V~	310m ³ /h	T4	54
ERM 22 E Ex e	200mm	230V~	560m ³ /h	T1-T3	54
ERM 25 E Ex e	250mm	230V~	870m ³ /h	T1-T3	54

Performance Curve ERM 18 E EX e



Technical data

Air flow volume	310m ³ /h	Mains cable	3 x 1.5mm ²
Rotating speed	2,780 1/min	Installation position	vertical/horizontal
Speed controllable	Yes	Housing material	synthetic material
Type of voltage	Alternating current	Weight	3.0kg
Rated voltage	230 V	Nominal size	180mm
Power frequency	50 Hz	Airstream temperature (nominal)	50°C
Nominal output	50W	Airstream temperature at I_{MAX}	50°C
I_{nom}	0.25A	Ambient temperature	50°C
I_A/I_N	2.5	Explosion protection	Ex II 2G
Degree of protection (IP)	54	Temperature class	T4
Insulation class	B	EAN	4012799802907



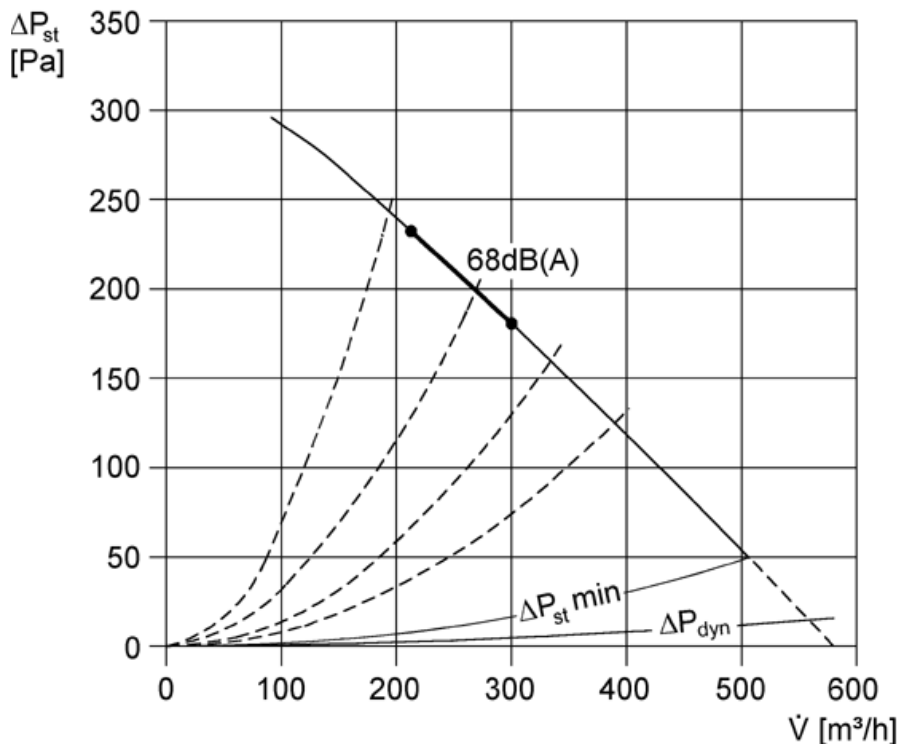
Application examples

- Environment with explosion hazard (zone 1 and 2)
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Accessories for ERM 18 E EX e

Shutter	AP 100
Shutter	AP 100B
Shutter	AP 120
Shutter	AP 150
Protective grille	SGM 18 Ex
Reducer	REM 18/14Ex
Reducer	REM 18/12Ex
Reducer	REM 18/10Ex
Flexible cuff	ELM 10Ex
Flexible cuff	ELM 12Ex
Mounting foot	FUM 15/18
Motor protection switch	MVEx 0,4

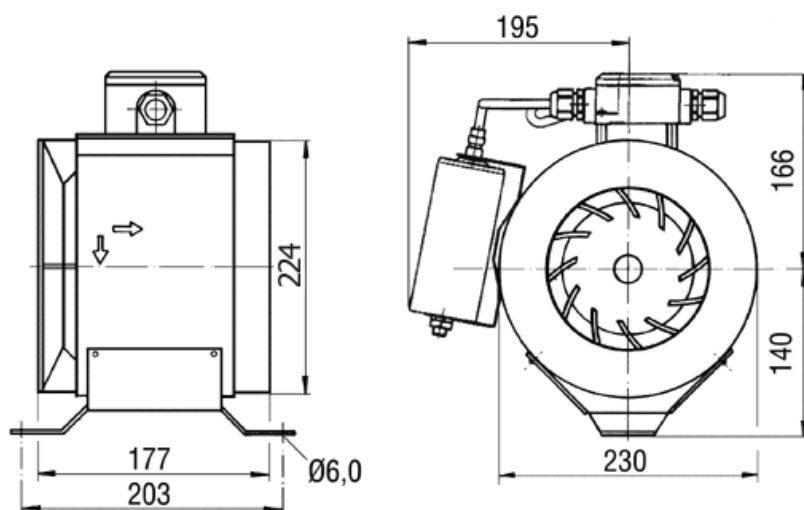
Performance Curve ERM 22 E EX e



Technical data

Air flow volume	560m³/h
Rotating speed	2,860 1/min
Speed controllable	Yes
Type of voltage	Alternating current
Rated voltage	230 V
Power frequency	50 Hz
Nominal output	200W
I_{nom}	0.92A
I_A/I_N	3.1
Degree of protection (IP)	54
Insulation class	B

Mains cable	3 x 1.5mm²
Installation position	vertical/horizontal
Housing material	synthetic material
Weight	5.3kg
Nominal size	200mm
Airstream temperature (nominal)	50°C
Airstream temperature at I_{MAX}	50°C
Ambient temperature	50°C
Explosion protection	Ex II 2G
Temperature class	T1-T3
EAN	4012799802884



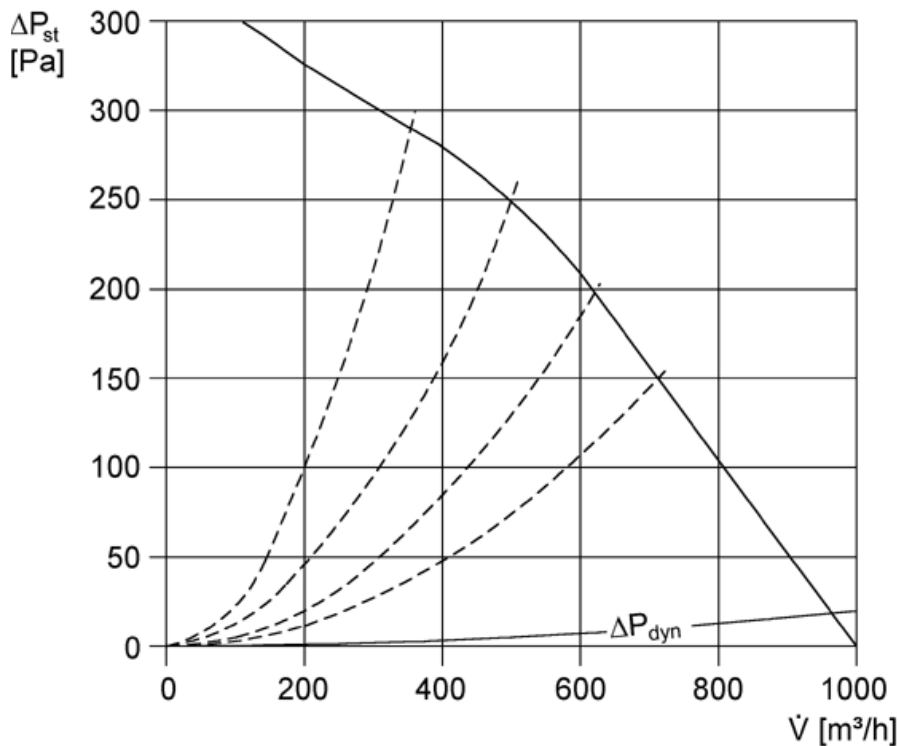
Application examples

- Environment with explosion hazard (zone 1 and 2)
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- Battery room
- Commercial premises
- Production facility

Accessories for ERM 22 E EX e

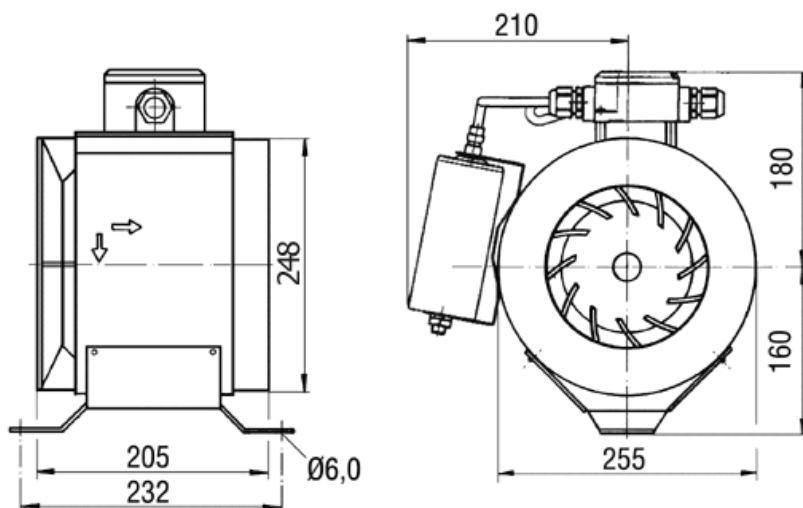
Shutter	AS 20
Protective grille	SGM 22 Ex
Reducer	REM 22/18Ex
Reducer	REM 22/16Ex
Reducer	REM 22/14Ex
Flexible cuff	ELM 14Ex
Flexible cuff	ELM 20Ex
Mounting foot	FUM 22
Motor protection switch	MVEx 1,0

Performance Curve ERM 25 E EX e



Technical data

Air flow volume	870m ³ /h	Mains cable	3 x 1.5mm ²
Rotating speed	2,860 1/min	Installation position	vertical/horizontal
Speed controllable	Yes	Housing material	synthetic material
Type of voltage	Alternating current	Weight	6.8kg
Rated voltage	230 V	Nominal size	250mm
Power frequency	50 Hz	Airstream temperature (nominal)	50°C
Nominal output	300W	Airstream temperature at I_{MAX}	50°C
I_{nom}	1.4A	Ambient temperature	50°C
I_A/I_N	3.7	Explosion protection	Ex II 2G
Degree of protection (IP)	54	Temperature class	T1-T3
Insulation class	F	EAN	4012799802495



Application examples

- Environment with explosion hazard (zone 1 and 2)
- Dye shop
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- Production facility

Accessories for ERM 25 E EX e

Shutter	AS 25
Protective grille	SGM 25 Ex
Reducer	REM 25/20Ex
Reducer	REM 25/18Ex
Flexible cuff	ELM 20Ex
Flexible cuff	ELM 25Ex
Mounting foot	FUM 25
Motor protection switch	MVEx 1,6