

# Industrial - air circulation fans

Clever solutions for a fresh hall climate!

03.310 / 03.312



14 and 20m throw distance  
in any operating angle



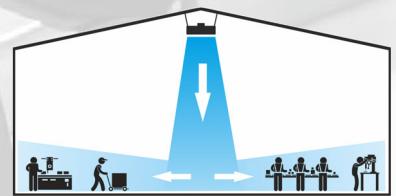
03.260

Designed and certified  
for work in angled position

03.210 / 03.222



Highly effective and top industrial  
quality: IP54 and machinery  
directive



This installation principle can also be  
used for warm air recirculation in winter  
without changes.

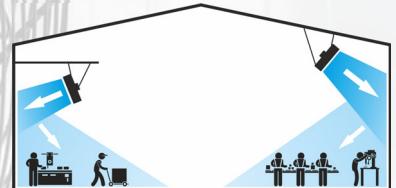
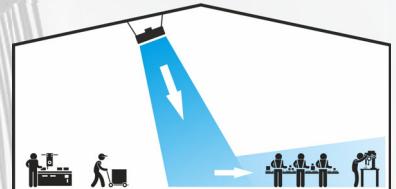
03.284 / 03.285



Oscillation over a large area  
and doesn't get in the way

03.280

Quick and easy alignment in  
any direction



**Fenne KG**

Oppendorfer Str. 37

D-32351 Stemwede

Tel. (0 57 73) 14 36

[www.fenne-kg.de](http://www.fenne-kg.de)

[info@fenne-kg.de](mailto:info@fenne-kg.de)



# Industrial circulation fans - planning



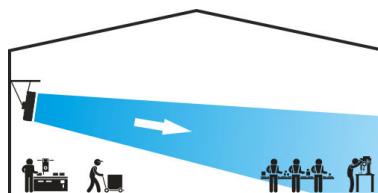
## Fresh breeze for industrial and commercial buildings

Provide a fresh and pleasant breeze to your employees and customers. Our industrial ceiling fans and circulating hall fans have the necessary performance and reliability. Find your optimal model series here.

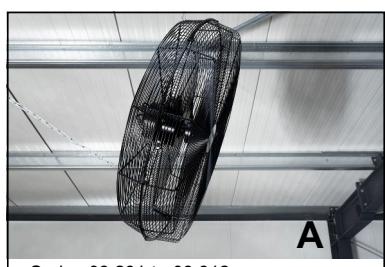
### Fans on the wall, on hall installations..

Due to the direct air flow from the fan to the target area, the highest air output (controllable) is available. In the flow direction, a wide area is covered.

The fan 03.285 ventilates large surfaces pleasantly varied due to the oscillation function.



A  
B  
E

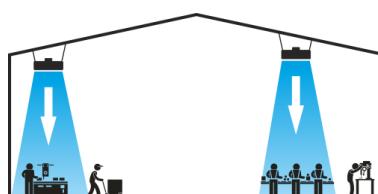


Series 03.291 to 03.312

### Fans at the hall ceiling

The direct air flow to the target area allows a high air output (controllable) even in higher halls. Each fan covers a limited area with the air cone.

To use the same fans for destratification in winter too, select the following variant.



A  
C  
D

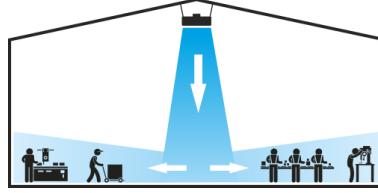


Series 03.285

### Fans at the hall ceiling

The direct air flow hits only a smaller area under which there is no permanent workstation. At the floor, the air flow spreads indirectly and circularly into the target area.

Only this variant can be used without change in the winter for destratification (warm air return) too.



C  
D



Series 03.210 to 03.225

### Fans at the hall ceiling

The inclined position ensures that the air flow is targeted to the desired area. The indirect effect is stronger than in the previous variant.



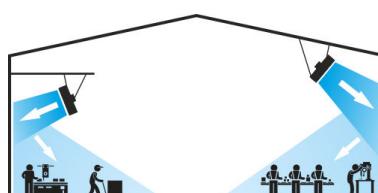
D



Series 03.291 to 03.312

### Fans on the wall, on hall installations..

Align the fan slant to a wall or surface and achieve a pleasant effect in a larger area (larger angle of deflection). The fans should not be too far from the target for this purpose.



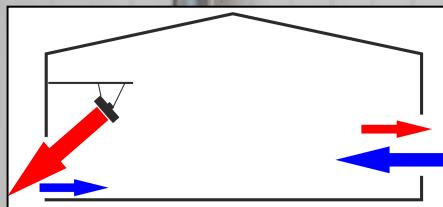
A  
B  
D  
E



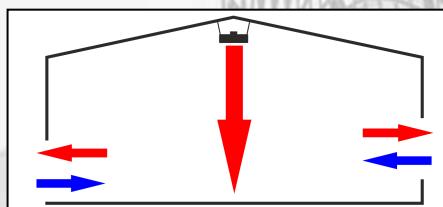
Series 03.280

# Industrial - air circulation fans

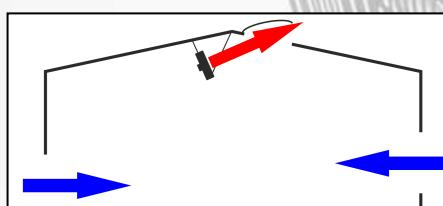
## Air exchange made easy



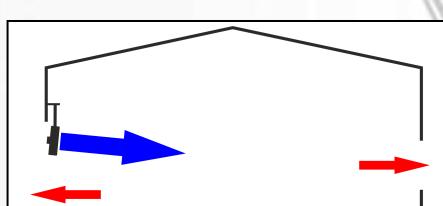
Push large amounts of used air out of hall gates or windows. Placement for this:  
air flow from above and up to 10 m away.



How to improve night cooling:  
Replace the upper air layers with.



The air exchange through the skylights uses the natural air flow.



Fresh air supply at the hall gate and hall window. Air flow with swivel arm and bracket in every direction up to 20 meters into the hall.



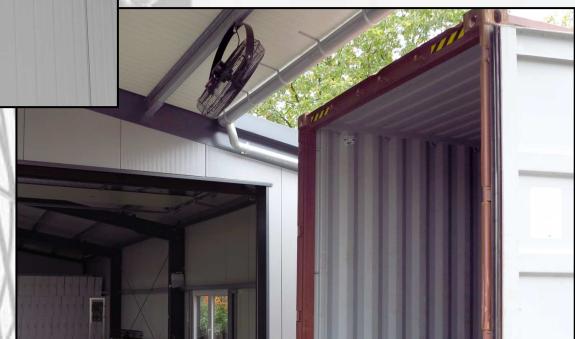
Extracting the used air through the skylights.



Large swivel arm on the hall gate: ready for operation in any direction. Just right again in the rest position.



Fresh air through the hall window. 13,600 m<sup>3</sup> / h with a handle in every direction far into the hall.



Against heat and air pollution: Effectively ventilate containers and loading areas.



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Oppendorfer Str. 37  
D-32351 Stemwede

Tel. +49 57 73 14 36

[www.fenne-kg.de](http://www.fenne-kg.de)  
[info@fenne-kg.de](mailto:info@fenne-kg.de)

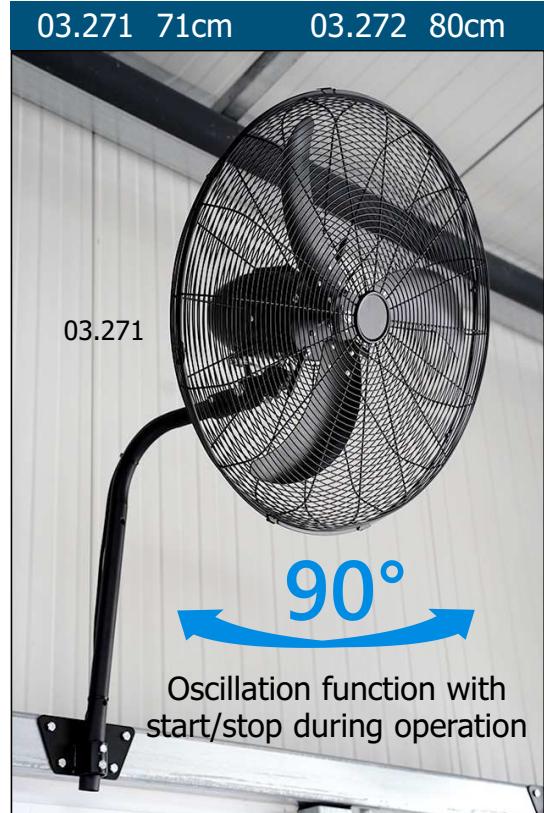
Fresh breeze - cooling - drying - industrial applications

# Industrial wall and circulation fan

Oscillation function with start/stop during operation - panel control - remote group control



03.271 71cm      03.272 80cm



## Technical Data

	03.271	03.272
Guard diameter	71 cm	80 cm
Voltage	220-240 V / 50 Hz	
Input Power	17 - 125 W	17 - 125 W
Speed	500 - 1.220 U/min	500 - 1.160 U/min
Air Volume	15.300 m <sup>3</sup> /h	18.800 m <sup>3</sup> /h
Energy efficiency	8,2 W/1000 m <sup>3</sup> /h	6,7 W/1000 m <sup>3</sup> /h
Sound level at 1m	33-55 dB(A)	36-60 dB(A)
Speed control with panel and remote	6 steps +1 step super gentle and silent	
Wall mount	Bend tube and wall mount plate included	
Tube mount	Accessories: Tube cross connector 03.495	
Fall protection	Accessories: Safety chain 03.497	
Color	black	
Packing	flat packed in 2 boxes	
Weight gross / net	12,3 kg / 10,4 kg	13,4 kg / 11,2 kg
Marks	CE	
Subject to alterations		

Control via panel on the motor (illustration). Control via remote control 433 Hz from a distance of up to 10 m. With wall mount included.



Up to 10 fans can be linked to one remote control for simultaneous operation.

Important: You can start and stop the oscillation function or realign the fan during operation. Speed and air flow can be adjusted over a very wide range with 6 steps.

Super gentle and silent mode with only 17 W power consumption.

Timer function for a specified running time.

Additional mode with fluctuating speeds.

## Innovative DC synchronous motor

- Start and stop oscillation during operation!
- Align airflow with one button push
- Wide control range in 7 levels from 17 - 125 W
- Outstanding performance up to 18,800 m<sup>3</sup> per hour
- Super gentle mode - even for short distances
- Control via panel on the fan and via remote
- Remote control can be linked up to 10 fans
- Best energy efficiency of our grille fans
- Low engine temperatures and lock protection
- Quality metal design - suitable for continuous operation
- Packed without styrofoam

35  
JAHRE



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D-32351 Stemwede

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Fax (+49 57 73) 14 00

[www.fenne-kg.de](http://www.fenne-kg.de)  
[info@fenne-kg.de](mailto:info@fenne-kg.de)

# Industrial Ceiling Fans

Hall heating destratification / drying / cooling / fresh breeze



03.222

## Technical data

	03.210	03.222
Voltage	230 V / 50 Hz	
Input Power	75 W	
Current	0,35 A	
Speed	300 rpm	
Air volume	15.000 m <sup>3</sup> /h	
Energy efficiency	5 W/1000 m <sup>3</sup> /h	
Performance max	10 m	
Thermal fuse	included	
Diameter	142 cm	
Height	69 cm	
Sound level at 1 m	52 dB(A)	
Mounting	vertical, decoupled additional safety wire	
Color	white	
Packaging	Single carton - free of styrofoam 690x255x235 mm	
Weight	9,5 kg	
Marks	CE	
IP protection	IP20	IP54
Subject to alterations		

## Accessories

**Wall regulator stepless** for up to 24 fans.  
**Wall regulator 5-steps** for up to 20 fans.

**Regulator 0-10 V** for building control technology.  
**Wireless control** for up to 10 fans.

**Controller destratification:** The fans are controlled with two temperature sensors for the ceiling and the floor.

Industrial ceiling fans from FENNE are particularly constructed and manufactured regarding performance, material loading and safety for the continuous operation industrial use, since 1985.



The additional safety wire, triple motor shaft bolts and overtemperature protection are examples of our strict safety requirements.

The high content of copper results in an energy saving performance motor. Selected components are good for reliable destratification up to 10m hall height. The fans are completely assembled (except blades), which means: No delays and no safety risks on building site.

## Model line

03.210	White, height 69 cm
03.211	Black, height 69 cm
03.214	White, height 44 cm
03.222	White, IP54 (TÜV), height 69 cm
03.224	White, IP54 (TÜV), height 44 cm
03.260	White, small diameter 92 cm, Mounting: Clamp for 2" tube

35  
YEARS



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**Fenne KG**

Oppendorfer Str. 37  
D-32351 Stemwede

Tel. +49 5773 1436  
Fax +49 5773 1400

[www.fenne-kg.de](http://www.fenne-kg.de)  
[info@fenne-kg.de](mailto:info@fenne-kg.de)

# Industrie-Deckenventilator HVLS

39.200 m<sup>3</sup>/h Luftleistung mit nur 100 W Stromverbrauch



- Durchmesser 2,67 Meter
- HVLS-Prinzip: Hohes Volumen bei geringer Drehzahl
- Massive Qualitäts-Bauweise
- Hohlraumprofil-Flügel
- 5-Stufen-Fernbedienung
- Drehzahl 40 bis 88 U/min
- 100W – hoch-energieeffizient
- Luftumwälzung 39.200 m<sup>3</sup>/h
- Vorwärts- und Rückwärtstlauf
- Sicherheits-Stahlseil

## Einsatzmöglichkeiten dieses Ventilator-Typs

- Ventilator über dem Arbeitsbereich bei relativ niedriger Drehzahl. Hallenhöhe bis 10m.
- Ventilator zwischen den Arbeitsbereichen bei relativ höheren Drehzahlen für eine angenehme Frische auf bis zu 200m<sup>2</sup>. In Ventilatornähe befindet sich kein fester Arbeitsplatz. Hallenhöhe bis 7m.
- Rückwärtstlauf in niedrigeren Hallen bis 5m Höhe mit sanfter, gleichmäßiger Wirkung in der ganzen Halle. Hierfür wird ein Ventilator auf maximal 150m<sup>2</sup> benötigt.  
Der Rückwärtstlauf ist z.B. oft im Sport- und Fitnessbereich und in Ausstellungshallen die beste Betriebsart.



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Fax (0 57 73) 14 00

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# Industrial Circulation Fans

15,600 m<sup>3</sup>/h air output with "3D" orientation easily under control



Ideal for changing work place and for regular realignment

- Test the optimal settings directly & without tools
- Change the orientation spontaneously
- Direct airflow in the desired direction
- Indirect airflow over wall, floor & ceiling

- Installation on walls or internals
- "3D" alignment with one hand
- Grid construction without water build-up
- Dust and splash water protection IP54
- 2-step switch at the device
- Wall regulator as accessory

## Control devices

- 5-step speed controller for 1 to 8 fans 03.280

- Interval switch for automatic switching on/of interval.

## Technical data

Product no.	03.280
Color	schwarz
Voltage	30 V / 50 Hz
Input Power	250 W
Current	1,1 A
Speed	1350 rpm
Air volume	15.600 m <sup>3</sup> /h
Energy efficiency	16 W/1000 m <sup>3</sup> /h
Diameter	69 cm
Sound level at 1m	71 dB(A)
Fall protection	Accessories safety chain
Packaging	seperately packaged
Weight	12,5 kg
Marks	CE IP54
Technical changes reserved	



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Fax (0 57 73) 14 00

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[info@fenne-kg.de](mailto:info@fenne-kg.de)

Fresh breeze - cooling - drying - industrial use

# Industrial wall and tube fan

Oscillating function for effective action over a large area



Industrial fan 03.284 / 03.285



Powerful 8.000m<sup>3</sup>/h with moderate size and low energy consumption.

Solid massive metal design and continuous operation possible up to 24/7 for industrial use.

#### Very flexible in position and use:

- adjustable height
- adjustable direction
- adjustable slant
- oscillation can be activated
- 3-speed-switch included

#### Industrial fan 03.284

Single packed and assembled (except the hanging parts)

#### Industrial fan 03.285

Bulk packed to minimize volume

#### 03.495 Cross connector

For install the fan 03.284 / 03.285 at tubes 40-55mm

#### 03.497 Safety chain set

If legally required or in case of high installation

#### Technical data

Model no.	03.284	03.285
Voltage	230 V / 50 Hz	
Input power	150 W	
3 speed switch	845/1015/1250 rpm	
Air Volume	8.000 m <sup>3</sup> /h	
Energy efficiency	18,8 W/1000 m <sup>3</sup> /h	
Thermal fuse	included	
Guard diameter	57 cm	
Sound level at 1m	57 dB(A)	
Regulator attached to the fan	3 steps	
Wall mount	Bend tube and wall mount plate included	
Tube mount	Additional cross connector 03.495	
Fall protection	Additional safety chain 03.497	
Color	black	
Packaging	single packed	bulk packed
Weight net	7,9 kg	
Marks	CE	
Subject to alterations		

#### Control devices

**Continuously speed regulator** for control groups up to 14 fans 03.285

**Transformer regulator** 5-step, for quiet operation at low speeds

**Temperature difference control** for automatic switching according to the difference. Two temperature sensors included

**Interval switch** for easy adjust automatic on/off interval

35  
YEARS



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Oppendorfer Str. 37  
D-32351 Stemwede

Tel. +49 (0) 57 73 14 36  
Fax +49 (0) 57 73 14 00

[www.fenne-kg.de](http://www.fenne-kg.de)  
[info@fenne-kg.de](mailto:info@fenne-kg.de)

# Industrial Circulation Fans

Destratification / drying / cooling / fresh breeze



03.312

## Technical data

Product no.	03.295	03.310	03.312
Voltage	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
Input Power	280 W	250 W	280 W
Current	1,3 A	1,1 A	1,3 A
Speed	1.350 rpm	1.350 rpm	1.350 rpm
Air volume	21.300 m³/h	15.600 m³/h	21.300 m³/h
Energy efficiency	13,1 W/1000m³/h	16 W/1000m³/h	13,1 W/1000m³/h
Performance max	20 m	14 m	20 m
Switch on device	2 steps	2 steps	2 steps
Thermal fuse	included	included	included
Diameter	80 cm	69 cm	83,5 cm
Height	19 cm	20 cm	25,5 cm
Sound level at 1m	64 dB(A)	62 dB(A)	64 dB(A)
Mounting	ceiling hooks and chains included		
Color	black	black	black
Packaging	81x22x86cm	70x22x75 cm	85x26x88 cm
Weight gross / net	12,6 kg / 10,1 kg	12,0 kg / 10,2 kg	20,6 kg / 17,9 kg
Marks	CE	CE	CE
IP protection	IP20	IP54	IP54

Subject to alterations

## Accessories

5-step speed regulator 2.2A till 7.5A for wall mount. You can control up to 6 fans with one regulator.

0-10V regulator for building automation systems.

Controller recirculation warm air (destratification): The fans are controlled with two temperature sensors for the ceiling and the floor.

Fans from Fenne for hall heating destratification, cooling and other applications:

Constructed for best performance, reliability, efficiency, sound level and safety.

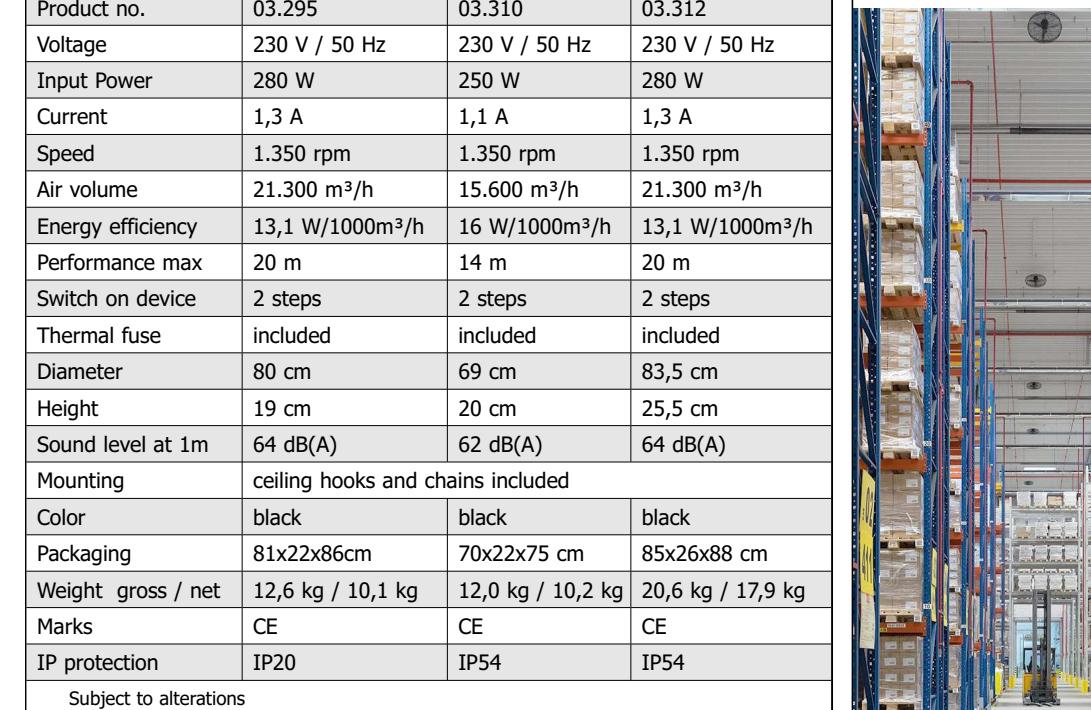


The flexible chain suspension and the smooth running enables the operation in every desired angles.

Guard and chains provide a perfect safety, even for ball sports or an unexpected contact of a forklift.

The fans are widely used in several industrial applications like drying, cooling, temperature equalization and fresh breeze at the workplace.

Perfect for double use: Recirculation of warm air in winter (destratification) and fresh breeze in summer.



35  
YEARS

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Tel. (+49 57 73) 14 36  
Fax (+49 57 73) 14 00

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[info@fenne-kg.de](mailto:info@fenne-kg.de)

# Industrial Ceiling Fan

## for industrial drying and special applications



### Technical data

Product no.	03.260
Voltage	230 V / 50 Hz
Power	65 W
Max. speed	340 U/min
Air speed at 1 m	3,8 m/sec
Certificated environment temp.	50° C
Temperature control	2 temp. fuses 110°C/130°C
Diameter	95 cm
Height	43 cm
Hanging	clamp for tube 55-60mm
	half clamp for flat mount
	additional safety wire
Certificated slant	max. 45°
Color	white ca. RAL 9016
Packaging	single carton, Styrofoam free
	28 x 25 x 42 cm
Weight	7 kg / 6 kg
Test mark	CE
Subject to alteration	

### Industrial ceiling fan 03.260

This fan is special made and certificated for fixed clamp at a tube. Extra strong material and safety features allows permanent work in slant position up to 45°.

So a battery of fans, grouped at one tube, can be adjusted in angle in one step.



The special made strong and cold motor and the higher angled blades results in powerful air delivery, needing small space and minimum power consumption. The fan is certificated for higher environment temperature up to 50°C, so warm air drying is possible. The fan temperatur is controlled by two temperature fuses.

There are a lot of applications for this fan in the climate industry, the ceramic industry, the timber industry, the chemical industry and the building sector.

### Accessories

- Continuously speed regulator for synchronous regulation of 4, 8, 12 or 24 fans.
- Temperature difference control
- Interval switch for simple adjust automatic on/off

35  
YEARS



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Oppendorfer Str. 37  
D-32351 Stemwede  
Germany

Phone +49 5773 14 36  
Fax +49 5773 14 00

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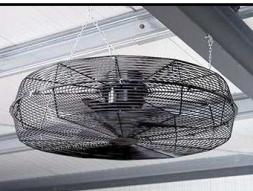
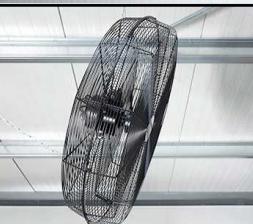
## Industrial ceiling fans

	03.210	Industrial ceiling fan - white - height 69cm	Diameter 142cm, height 69cm, metal, 75W, 0,35A, 300rpm, performance max. 10m, safety screw connections, safety steel wire, color white	
	03.211	Industrial ceiling fan - black - height 69cm	Diameter 142cm, height 69cm, metal, 75W, 0,35A, 300rpm, performance max. 10m, safety screw connections, safety steel wire, color black	
	03.214	Industrial ceiling fan - height 44cm	Diameter 142cm, height 44cm, metal, 75W, 0,35A, 300rpm, performance max. 10m, safety screw connections, safety steel wire, color white	
	03.222	Industrial ceiling fan - IP54 - height 69cm	Diameter 142cm, height 69cm, metal, 75W, 0,35A, 300rpm, performance max. 10m, safety screw connections, safety steel wire, color white splash water protection IP54, stainless steel bearing	
	03.224	Industrial ceiling fan - IP54 - height 44cm	Diameter 142cm, height 44cm, metal, 75W, 0,35A, 300rpm, performance max. 10m, safety screw connections, safety steel wire, color white splash water protection IP54, stainless steel bearing	
	03.240	Industrial ceiling fan - HVLS - diameter 273cm	Diameter 273cm, height 70cm, 100W, 40-88rpm, performance max. 10m, massive all-metal construction, 6 cavity profile wing, 5-level remote control, forward and reverse run, safety steel wire, color metallic matte	
	03.260	Industrial ceiling fan - pipe clamp - tilt position	Diameter 95cm, height 42cm, metal, 65W, 0,3A, 340rpm, safety screw connections, safety steel wire, color white, suspension for tube 55-60mm, certificate for tilt position and increased ambient temperatures	

## Industrial circulation fans

	03.271	Industrial circulation fan - oscillation - remote control - 71cm	Grid diameter 71cm, 125W, installation on wall/internals, oscillation with start/stop during operation, brushless DC motor, highly energy efficient, wireless remote/wall control, fan group control, 6 speed + super gentle mode, timer, anti-lock, flat packed in two boxes	
	03.272	Industrial circulation fan - oscillation - remote control - 80cm	Grid diameter 80cm, 125W, installation on wall/internals, oscillation with start/stop during operation, brushless DC motor, highly energy efficient, wireless remote/wall control, fan group control, 6 speed + super gentle mode, timer, anti-lock, flat packed in two boxes	
	03.280	Industrial circulation fan - wall / ceiling - IP54 - 69cm	Grid diameter 69cm, 250W, 1,1A, 2-step speed control, installation on wall/ceiling/internals, 3-D-orientation, splash water protection IP54, completely assembled except the hanging parts	
	03.284	Industrial circulation fan - 56cm - oscillation - as 03.285 - pre-assembled	Grid diameter 56cm, 150W, 0,7A, installation on wall/tube/internals, 3-step speed control, oscillation, color black, single packed: completely assembled except the hanging parts, accessories: cross connector for tubes	
	03.285	Industrial circulation fan - 56cm - oscillation - as 03.284 - flat packed	Grid diameter 56cm, 150W, 0,7A, installation on wall/tube/internals, 3-step speed control, oscillation, color black, blades, guard and wall mounting packed separately, accessories: cross connector for tubes	

## Industrial circulation fans

	03.295	Industrial circulation fan - IP20 - vertical throw 20m	19Grid diameter 80cm, height 19cm, vertical throw 20m, 280W, 1,3A, 1350rpm, 2-step speed control, ceiling mounting material included, operation in any position, black, single packed and completely assembled	
	03.492	Mounting bracket for fan 03.295	Mounting bracket for the fan 03.295, for easy alignment of the fan in any position, set including mounting material, clamping handles and safety chain, for on-site installation	
	03.310	Industrial circulation fan - IP54 - vertical throw 14m	Grid diameter 69cm, height 20cm, vertical throw 14m, 250W, 1,1A, 1350rpm, 2-step speed control, ceiling mounting material included, operation in any position, black, single packed and completely assembled	
	03.312	Industrial circulation fan - IP54 - vertical throw 20m	Grid diameter 84cm, height 26cm, vertical throw 20m, 280W, 1,3A, 1350rpm, 2-step speed control, ceiling mounting material included, operation in any position, black, single packed and completely assembled	

## Speed controller, stepless

	03.403 03.404 03.405 03.406	Speed controller-stepless - manually	Illuminated main switch, minimum speed configurable, motor-friendly start-up phase configurable, surface-mounted, IP54 Suitable for fans 03.210-03.222, 03.260, 03.284-03.293  0,3- 1,5 A 0,8- 3,0 A 1,3- 5,0 A 2,6-10,0 A	
	03.413 03.414 03.415 03.416	Speed controller - stepless - 0-10V-input	As before, but with 0-10V input for remote control. Without manual operation. 0,3- 1,5 A 0,8- 3,0 A 1,5- 6,0 A 2,6-10,0 A	

## Speed controller, transformer regulator, 5-step

	03.423 03.425 03.426	Speed controller - transformer regulator - 5-steps - manually	Manual 5-step control as well as ON/OFF switch with indicator light, output voltage and order is configurable, surface-mounted, IP54 Suitable for fans 03.210-03.222, 03.260, 03.280, 03.284-03.312  2,2 A 5,0 A 7,5 A	
	03.407 03.408 03.409	Speed controller - transformer regulator - 5-steps - 0-10V-input	As before, but with 0-10V input for remote control. Without manual operation.  3,5 A 5,0 A 7,5 A	

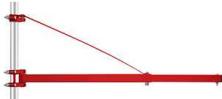
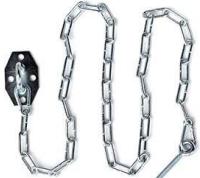
## Speed controller, wireless remote, 16 channels

	03.400	Remote control - 3-step - 16 fan groups - 1 hand transmitter and 1 receiver	Wireless remote control set. Hand-held transmitter with display and battery, u-shaped receiver for the fan upper canopy or for additional box on site, 16-channel codeable, up to 16 fan groups can be operated on one power cable. No combination with other control units. Suitable for one fan 03.210-03.224, 03.260	
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## Controller de-stratification

	03.431	Controller recirculation warm air - 2 sensors - 4,0 A	De-stratification control for hall heating fans, display for temperatures and error messages, two temperature sensors included, IP54, 4A, amperage extension with a customary contactor	
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## Accessories

	03.444	Ceiling hook for slant double t-beam	Ceiling hook for ceiling fans 03.210-03.224. Special shape for clips on slant double t-beam	
	03.450 03.451 03.452	Clip for double t-beam M6	Clip for double t-beam, M6x10, maximum load 45 kg  Clamping range 3- 8 mm Clamping range 8-14 mm Clamping range 14-20 mm	
	03.453 03.454 03.455	Clip for double t-beam Eyelet	Clip for double t-beam, eyelet 6,5 mm, maximum load 90 kg  Clamping range 3- 8 mm Clamping range 8-14 mm Clamping range 14-20 mm	
	03.494	Swivel arm	Swivel arm, arm length 0,75 - 1,10m, red, installation on tube 40-50mm or installation on wall, weight 9,5kg, maximum load 200kg	
	03.493	Cross connector for tubes	Cross connector 1-inch x 2-inch, galvanized, M8, with nuts, 230g for 03.284 / 03.285 at a tube 40-55mm	
	03.497	Safety chain	Safety chain additional for the fans 03.270 to 03.285, including chain 0,8m, 2 carabiners, wall plate (and eye bolt for 03.285)	