

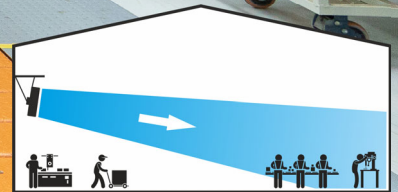
# Industrial - air circulation fans

Clever solutions for a fresh hall climate!

03.310 / 03.312



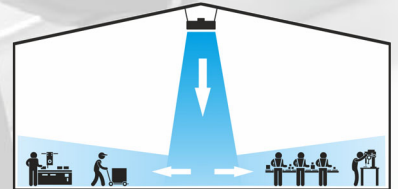
14 and 20m throw distance  
in any operating angle



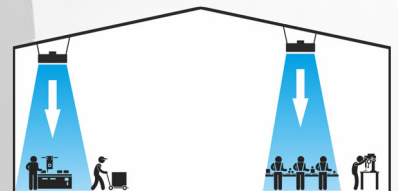
03.210 / 03.222



Highly effective and top industrial  
quality: IP54 and machinery  
directive



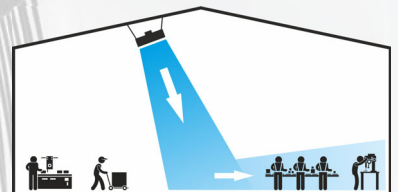
This installation principle can also be  
used for warm air recirculation in winter  
without changes.



03.260



Designed and certified  
for work in angled position



03.284 / 03.285

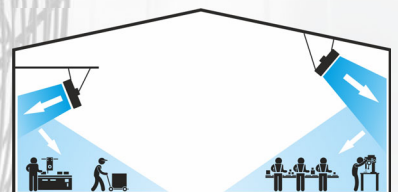


Oscillation over a large area  
and doesn't get in the way

03.280



Quick and easy alignment in  
any direction



**Fenne KG**

Oppendorfer Str. 37  
D-32351 Stemwede

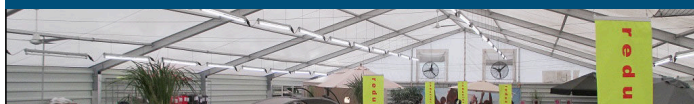
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# Industrial circulation fans - planning

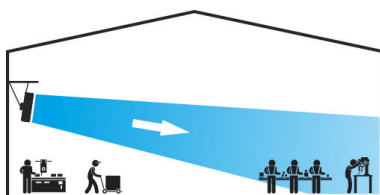


## Fresh breeze for industrial and commercial buildings

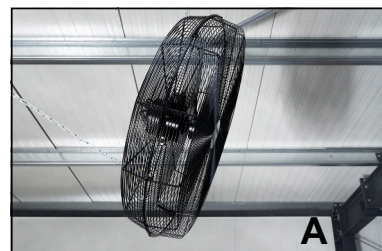
Provide a fresh and pleasant breeze to your employees and customers. Our industrial ceiling fans and circulating hall fans have the necessary performance and reliability. Find your optimal model series here.

### 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.



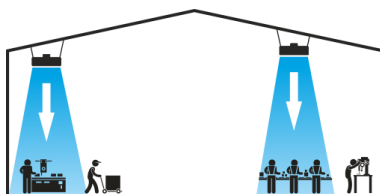
A  
B  
E



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.



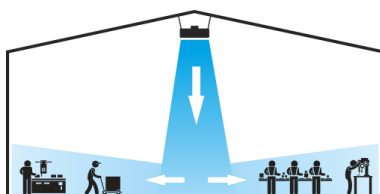
A  
C  
D



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.



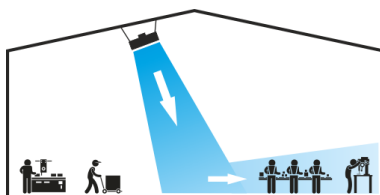
C  
D



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.



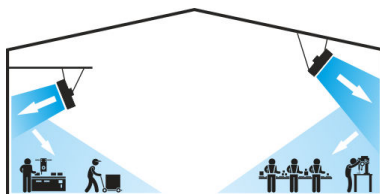
D



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



More informations:  
[www.fenne-kg.de/html/sommerbetrieb.html](http://www.fenne-kg.de/html/sommerbetrieb.html)

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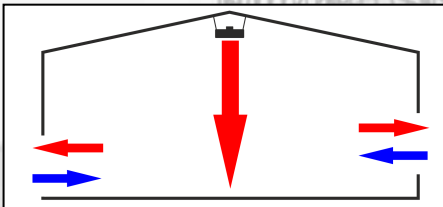
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# Industrial - air circulation fans

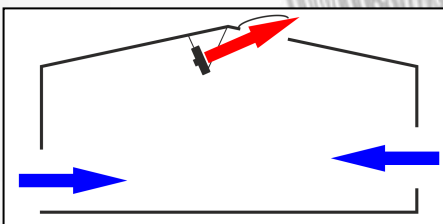
## Air exchange made easy



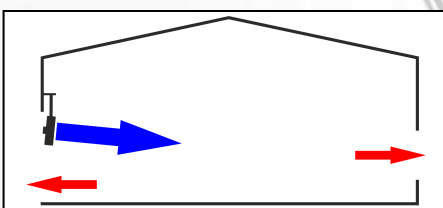
Push large amounts of used air out of hall gates or windows. Placement for this:  
air flow from above and up to 10 m away.



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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Fresh breeze - cooling - drying - industrial applications

# Industrial wall and circulation fan

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



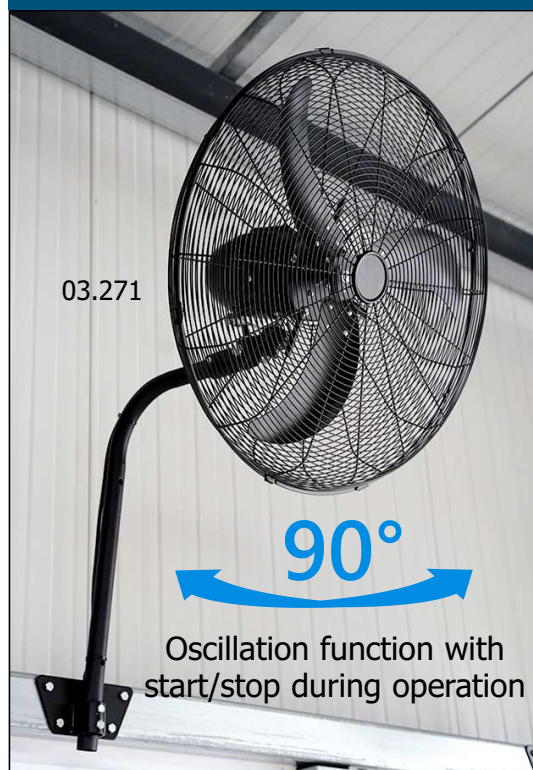
## Technical Data

	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		

## 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

03.271 71cm 03.272 80cm



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.

35  
JAHRE



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# Industrial Ceiling Fans

Recirculation warm air / drying / cooling / fresh breeze



## 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 m³/h	
Energy efficiency	5 W/1000 m³/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

Stepless and 5-step speed regulator for synchronous regulation up to 4, 8, 12 or 24 fans.

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

Interval switch for easy adjust automatic on/off (time) interval.

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	Color white, height 69 cm
03.211	Color black
03.214	Height 44 cm
03.215	Blades curved
03.222-25	IP54 - dust and splash water protection (TÜV Hanover)
03.260	Mounting: Clamp for 2" tube

35  
YEARS



**FENNE**

## Fenne KG

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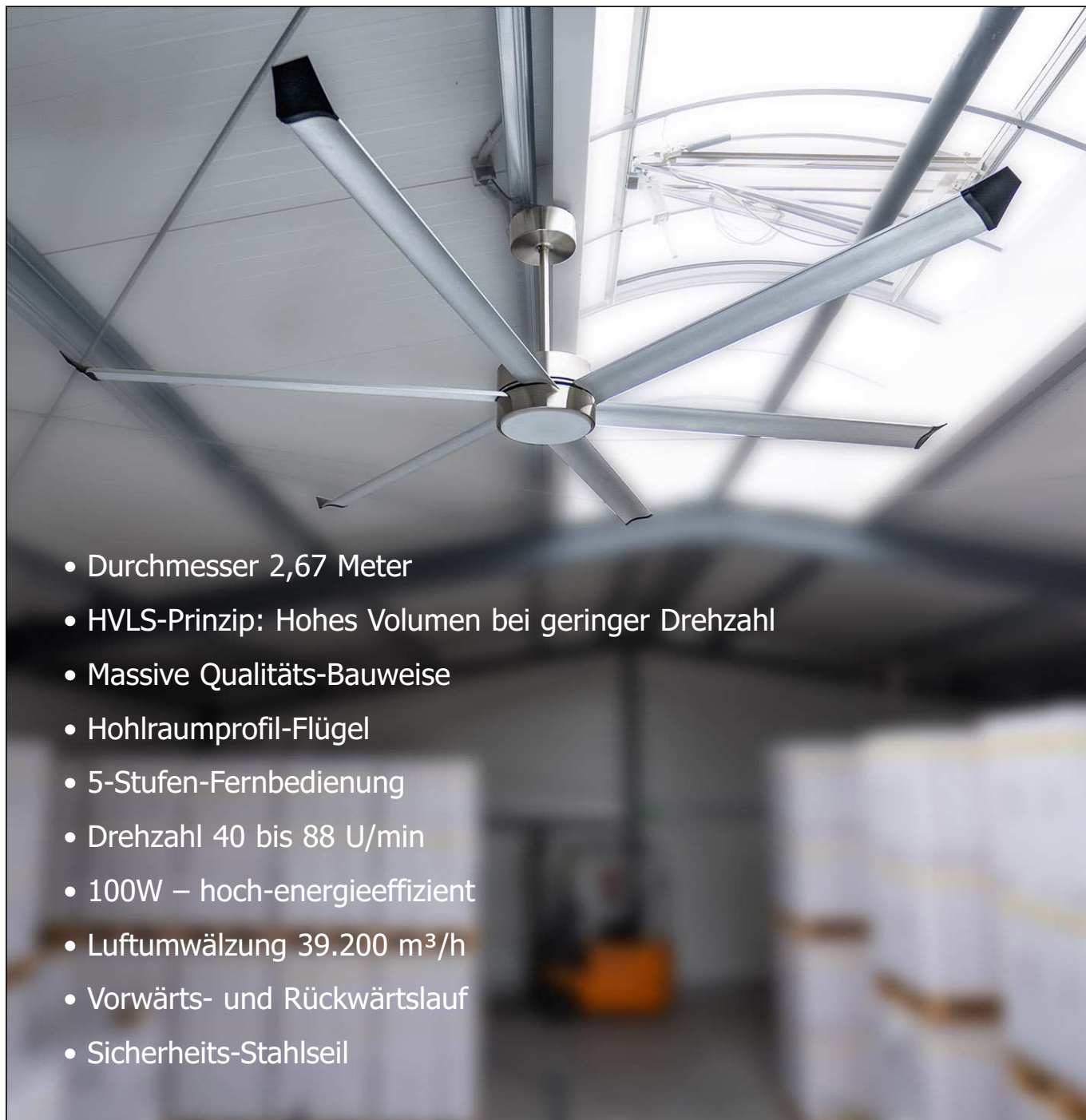
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info@fenne-kg.de



# 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 Rückwärtslauf
- 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.
- Rückwärtslauf 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 Rückwärtslauf ist z.B. oft im Sport- und Fitnessbereich und in Ausstellungshallen die beste Betriebsart.



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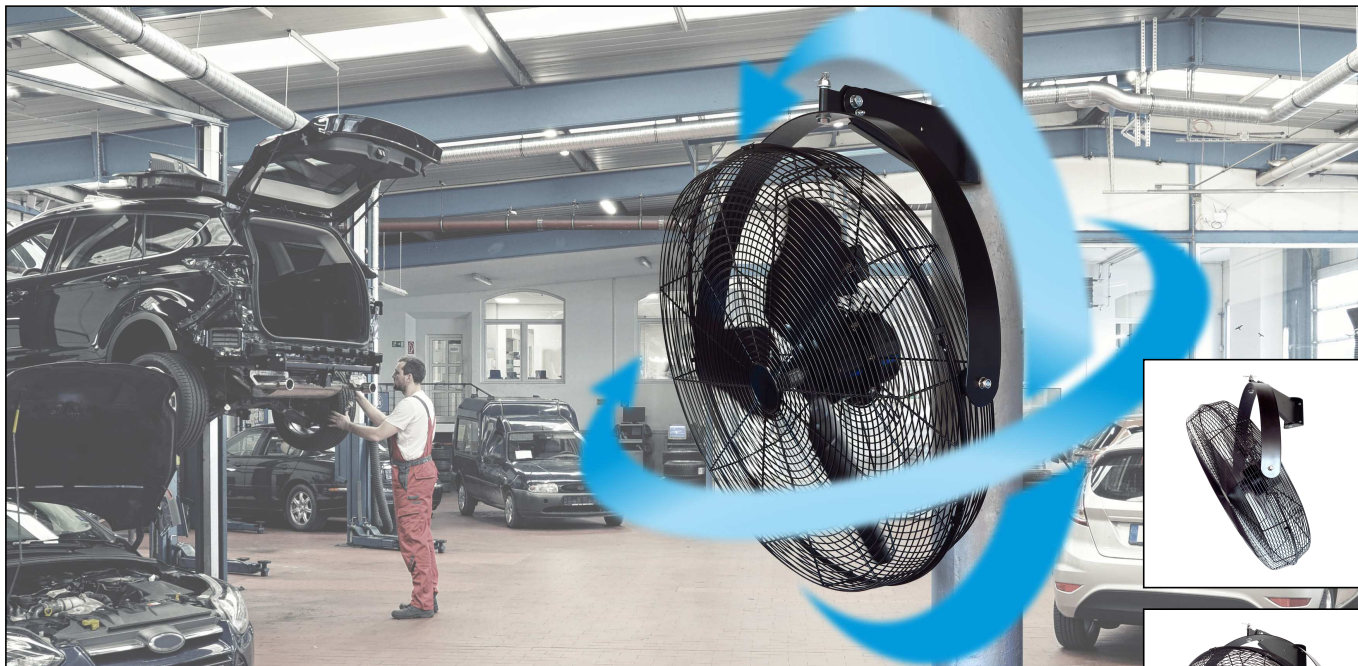
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# Industrial Circulation Fans

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

## 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	seperatly packaged
Weight	12,5 kg
Marks	CE IP54
Technical changes reserved	

## Control devices

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

- Interval switch for automatic switching on/of interval.



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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 m³/h	
Energy efficiency	18,8 W/1000 m³/h	
Thermal fuse	included	
Guard diameter	57 cm	
Sound level at 1m	57 dB(A)	
Regulator attaced 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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# Industrial Circulation Fans

Recirculation of warm air / drying / cooling / fresh breeze



**Fans from Fenne for the industrial recirculation of warm air and other applications:**

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



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

## Technical data

Product no.	03.291 / 03.293*	03.310	03.312
Voltage	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
Input Power	260 W	250 W	280 W
Current	1,1 A	1,1 A	1,3 A
Speed	1.260 rpm	1.350 rpm	1.350 rpm
Air volume	18.000 m³/h	15.600 m³/h	21.300 m³/h
Energy efficiency	14,4 W/1000m³/h	16 W/1000m³/h	13,1 W/1000m³/h
Performance max	16 m	14 m	20 m
Switch on device	3 steps	2 steps	2 steps
Thermal fuse	included	included	included
Diameter	81 cm	69 cm	83,5 cm
Height	34 cm	20 cm	25,5 cm
Sound level at 1m	65 dB(A)	71 dB(A)	64 dB(A)
Mounting	ceiling hooks and chains included		
Color	black	black	black
Packaging	83x83x40cm	76x70x23 cm	88x85x26 cm
Weight	12 kg	10,2 kg	17,9 kg
Marks	CE	CE	CE
IP protection	IP20	IP54	IP54

\* Bulk packed for export      Subject to alterations

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.



## Accessories

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

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

Interval switch for easy adjust automatic on/off (time) interval.

35  
YEARS



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# Industrial Ceiling Fan

## for industrial drying and special applications



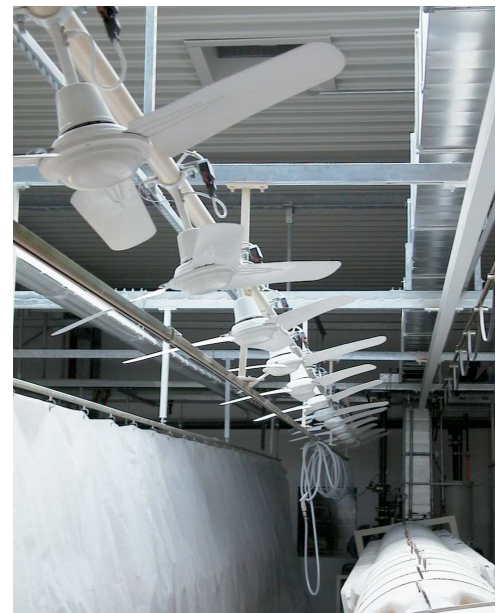
### Technical data

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 temperature 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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## 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


	03.280	Industrial circulation fans - 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	
	03.282	Industrial circulation fans - IP54 - oscillation - 81cm	Grid diameter 81cm, 150W, installation on wall/internals, oscillation, highly energy efficient, anti-lock, 4-step wall switch, splash water protection IP54, flat packed in two boxes	
	03.283	Industrial circulation fans - IP54 - oscillation - 71cm	Grid diameter 71cm, 140W, installation on wall/internals, oscillation, highly energy efficient, anti-lock, 4-step wall switch, splash water protection IP54, flat packed in 2 cartons	
	03.284	Industrial circulation fans - 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 fans - 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	
	03.291	Industrial circulation fans - as 03.293 - completely assembled	Grid diameter 81cm, height 34cm, vertical throw 16m, 260W, 1,1A, 1260rpm, 3-step speed control, ceiling mounting material included, operation in any position, color black, single packed and completely assembled	
	03.293	Industrial circulation fans - as 03.291 - flat packed	Grid diameter 81cm, height 34cm, vertical throw 16m, 260W, 1,1A, 1260 rpm, 3-step speed control, ceiling mounting material included, operation in any position, color black, blades, guard and wall mounting packed separately	




## Industrial circulation fans

	03.310	Industrial circulation fans - IP54 - completely assembled	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 fans - IP54 - completely assembled	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-stufig




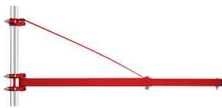
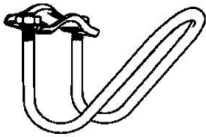

	03.423 03.425 03.426	Speed controller - transformer regulator - 5-steps - manually	Manual 5-step control as well as ON/OFF switch with indicator light, output voltage and order is configurable, surface-mounted, IP54 Suitable for fans 03.210-03.222, 03.260, 03.280, 03.284-03.312  2,2 A 5,0 A 7,5 A	
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## More controls

	03.431	Controller recirculation hot air - 2 sensors - 4,0 A	Control for industrial ceiling fans for hall heating, display for temperatures and error messages, two temperature sensors included, IP54, 4A, amperage extension with a customary contactor	
	03.434	Temperature control - transformer regulator - 1 sensor - 5,0 A	Temperature control for summer ventilation, 5,0 A, transformer regulator, automatically depending on the temperature or manually in 5 steps, voltage configurable, 5,5kg, surface-mounted, IP54, 1m cable with temperature sensor Pt500	
	03.436	Interval switch - 8,0 A	Interval switch for ventilation and drying applications, the working time and break time can be defined between 3 and 60 minutes, surface-mounted, IP55-rail housing, 8 A	



## Accessories

	03.444	Ceiling hook Special shape	Ceiling hook for ceiling fans 03.210-03.224. Special shape for holding clips sloping straps.	
	03.450 03.451 03.452	Holding clips M6	Holding clips, grub screw 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	Holding clips Eyelet	Holding clips, 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	
	03.495	Cross connector for tubes	Cross connector 2-inch x 3/4-inch, galvanized, M10, with nuts, 360g for 03.284 / 03.285 at a tube 40-55mm	
	03.497	Attachment for motor	Security chain for additional security on the fans 03.280 to 03.285, consisting of chain 0,8m, for 03.285, eye bolt, chain and connector(eyelet), 2 carabiners and wall plate	