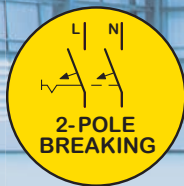




Certified for commercial use in
offices, warehouses and productions

SUMMER FANS G44



CasaFan ⚡
SafeLine



Fans certified as suitable for use in commercial areas

Many electrical appliances are designed for use developed in the household and also as such classified. Since the use in the commercial sector is completely may impose other requirements on the construction and use of such equipment, the hazards and risks must be examined here in advance.

The employer as operator must decide on the basis of a risk assessment, taking into account the intended purpose and the associated conditions of use, whether a „household appliance“ or a professional device should be used for the specific application in his company.

The risk assessment is usually prepared by the occupational safety specialist of a company. This involves a preventive examination of the measures to be taken for the safety and health of employees.

Certainly out of place was a plastic fan that an employee in a Hamburg industrial production facility installed on a production machine to make the climate more pleasant for himself. He had forgotten to switch off the fan at the end of his shift. It caught fire due to the self-heating of the motor in combination with the waste heat from the production machine and caused considerable damage. This could have been avoided by using a suitable device.



Checks in accordance with German Social Accident Insurance (DGUV) Section 3

The company/employer is responsible for ensuring the health and safety of its employees at work.

This includes ensuring that all electrical devices, whether stationary or mobile, meet the requirements of the accident prevention regulation 'Electrical installations and equipment' (BGI/GUV-V A 3). They must be constructed, operated, maintained, kept in good condition and checked in order to minimise the risks of fire and accidents. Electrical safety must be checked on first commissioning and at regular intervals pursuant to DGUV Section 3.

Similar regulations apply in all other European countries.



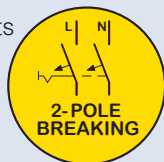
In order to prevent dangerous situations, when we develop our 'fans for commercial use', we investigate whether the product can withstand the expected operating stress. The current Machinery Directive 2006/42/EC, Part 1, is taken as a basis for assessing suitability of the new product.

For our commercial-certified fans, safety has been extended by supplementary tests according to the Machinery Directive Part 1.



Supply cables: we use for our IP44/54 devices with the addition 'SafeLine' SL supply cable H07RN-G for high mechanical stress, rubber tubing which is also suitable for long-term use outside with a rated voltage of 750 V (conductor against conductor; 450 V against earth). A H05RN-F supply cable is used for devices for use in storage and operation.

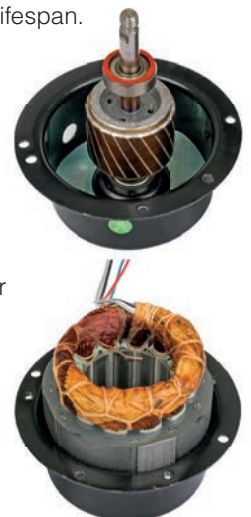
Switches: unlike most table and pedestal fans, the devices in our Casa-Fan SafeLine range (SL) are fully isolated from the mains supply by a circuit breaker or a speed switch in zero position. This reliably prevents accidents and fires from occurring when the device is switched off, even in adverse weather conditions.



Motor: Upon designing the motors for these products, we ensure sufficient reserves in terms of sizing to keep motor heating to a minimum. This reduces the risk of the motor 'burning out' and increases the total lifespan.

The motor has a thermal overload protection which is triggered at lower temperatures than is standard for our household products.

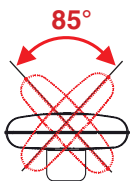
If the motor overheats, whether this is caused by a defect in the device or an external influence, this safety fuse incorporated in the motor winding reliably cuts out the electricity supply and thus prevents further damage.



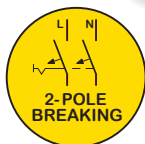
Greyhound TV 36 SL

Robust and stylish – your personal refreshment for everyday use

CasaFan ⚡
SafeLine



COMMERCIAL USE
Certified in accordance with Machinery Directive 2006/42/EC, part 1 for commercial use.



Greyhound TV 36-SL WE

#30365 desk fan

Housing shockproof resin, matt white, transparent AS blade, with grey applications

- Housing made of shockproof thermoplastic resin, housing colour white/anthracite, transparent blade. Protective grille steel wire, white/ anthracite.
- 3 speeds can be chosen by piano switch at the fan base. All-pole disconnection in off position.
- Mechanical 85°-oscillation, can be switched off.
- 3-blade fan blade, optimised for powerful air delivery.
- Vertical grade adjustable.
- Stable, tilt-free fan base with rubber feet.
- 2.5 meters power cable with Euro plug.
- Protective case can be opened to clean the mesh and the fan blade.

Product	Code No.	Housing	Grille
TV 36-SL WE	30365	Matt white	White
TV 36-SL AZ	30366	Matt anthracite	Anthracite

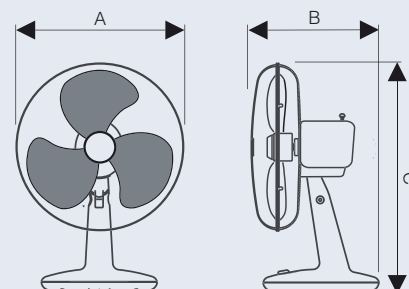
Delivery including assembly tool.

Technical details

Power motor (W)	35	Rpm min ⁻¹	1,310 max.
Voltage (V/Hz)	220-240/~50	Oscillation (°)	85
Number of speeds	3	Weight (kg)	2.4
Sound pressure (L _p -3m) dB(A)	31.1	Sound power (L _w) dB(A)	51.6
Airflow max. (m ³ /h)*	2,900	Service value (m ³ /min/W)	1.47

Dimensions (mm)

Dim. A (mm)	345
Dim. B (mm)	275
Dim. C (mm)	460
Blade Ø	300



Ambient temperature -10° to +35 °C. *measured in accordance IEC 60879



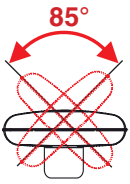
TV 36-SL AZ #30366

colour matt anthracite/silver, silver applications, transparent fan blade

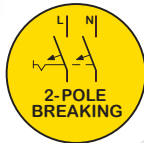
Greyhound SV 45 SL

Finely adjustable cooling for use at work or home

CasaFan ⚡
SafeLine



COMMERCIAL USE
Certified in accordance with Machinery Directive 2006/42/EC, part 1 for commercial use.



Greyhound SV 45-10-SL WE #306135 pedestal fan

Housing shockproof resin, matt white, transparent AS blade, with grey applications

- Housing made of shockproof thermo-plastic resin, blades transparent.
- 85°-oscillation, can be switched off.
- 3 speeds switchable via pressure switch, all-pole disconnecting in off position at SV 45-10-SL. Electronic soft switches at SV 45-8.
- 3-blade wheel, optimized for best air delivery with lowest noise.
- Cage tilt can be adjusted vertically.
- LED function display (SV45-8)
- Greyhound SV 45-8 AZ FB with remote control.
- Height adjustable between 1,125 and 1,335 mm.
- 2.5 m cable length with a European flat plug.
- Protective grille can be removed for cleaning.



Includes infrared remote control

Greyhound SV 45-8 AZ FB #307121 pedestal fan

matt anthracite housing, silver details, transparent plastic fan blade

Product	Code No.	Housing	Grille
SV 45-10-SL WE	306135	Matt white	White
SV 45-8 AZ FB	307121	Matt anthracite	Anthracite

Delivery including assembly tool.

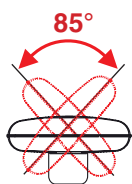
Technical details		Dimensions (mm)	
Power motor (W)	50		
Voltage (V/Hz)	220-240/~50		
No. of speeds	3		
Rpm min ⁻¹	1,145 max.		
Oscillation (°)	85		
Weight (kg)	5.3		
Blade Ø	400		
Sound pressure (L _p -3m) dB(A)	35.5		
Sound power (L _w) dB(A)	56.0		
Airflow max. (m ³ /h)*	4,200		
Service value (m ³ /min/W)	1.42		

Ambient temperature -10° to +35 °C. *measured in accordance IEC 60879

Tradition TV 30 II

Shining eye-catcher

CasaFan
VENTILATOREN



COMMERCIAL USE
Certified in accordance with Machinery Directive 2006/42/EC, part 1 for commercial use.



TRADITION TV 30 II CH #303052

Metal housing chrome-plated or matt black finish, protective basket chrome-plated or brushed copper

- Traditional design with state-of-the-art technology.
- Housing, fan base polished chrome or matt black finish. Protective grille and base ring polished chrome or brushed copper.
- 3-speed lever switch at front of fan base.
- Vertical grade adjustable.
- Mechanical 85°-oscillation, can be switched off.
- Stable, tilt-free fan base with rubber feet.
- Removable protective grille for easy cleaning.
- Powerful blade made of Aluminum.
- 1.8 m power cord H05RN-F G 3 1.0 mm² with Schuko plug.

Product	Code No.	Colour	Grille
TV 30 II CH	303052	Polished Chrome	Polished Chrome
TV 30 II MS	303053	Matt black	Copper/Matt black

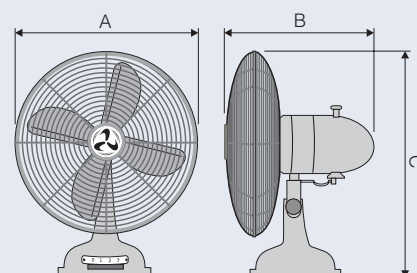
The delivery is completely assembled.

Technical details

Power motor (W)	37 max.	Rpm min ⁻¹	1,321 max.
Voltage (V/Hz)	220-240/~50	Oscillation (°)	85
No. of speeds	3	Weight (kg)	3.5
Sound pressure (L _p -3m) dB(A)	38.6	Sound Power (L _w) dB(A)	56.7
Airflow (m ³ /h)*	1,292	Service value (m ³ /min/W)	0.65

Dimensions (mm)

Dim. A (mm)	340
Dim. B (mm)	280
Dim. C (mm)	424
Blade Ø	300



Ambient temperature -10° to <+40 °C. *measured in accordance IEC 60879

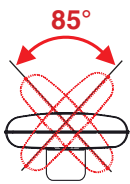


TRADITION TV 30 II MS
#303053

Satin Metal Breeze II

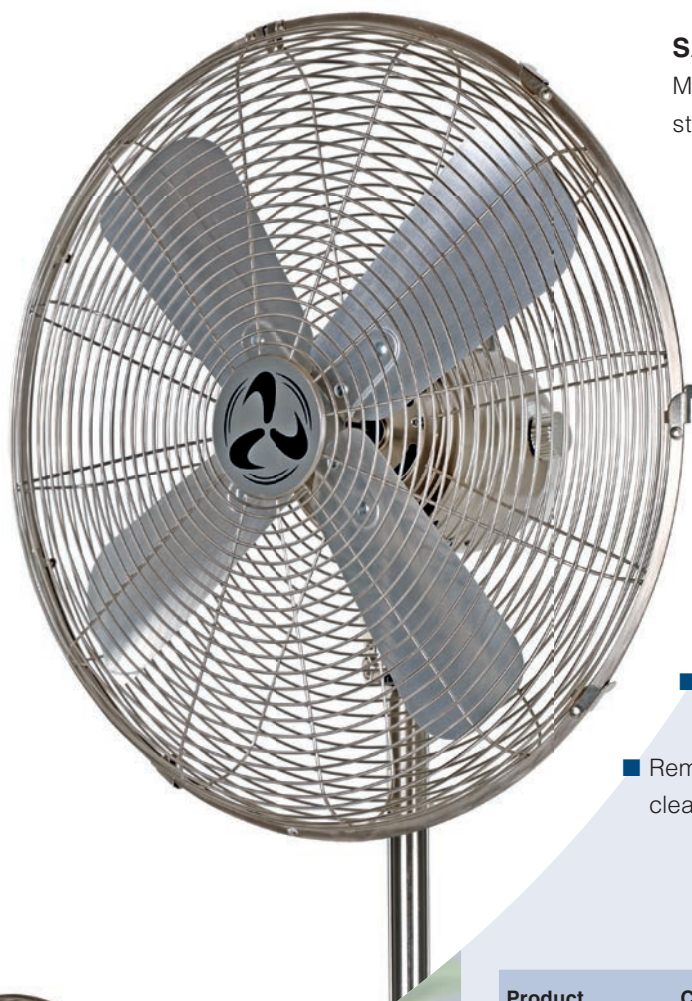
Stable metal design

CasaFan
VENTILATOREN



COMMERCIAL USE

Certified in accordance with Machinery Directive 2006/42/EC, part 1 for commercial use.



SATIN METAL BREEZE II #304072

Metal housing, protection cage and standpipe brushed chrome

- All-metal housing brushed chrome.
- Selectable 85°-oscillation.
- 3 speeds, switchable via rotary switch.
- Vertical grade adjustable.
- Height adjustable from 970 to 1,300 mm.
- Stable, tilt-free base with rubber feet.
- Powerful blade made of Aluminum.
- 2.5 meters power cord H05RN-F G 3 1.0 mm² with Schuko plug.
- Removable protective grille for easy cleaning.



Product	Code No.	Colour	Grille
SATIN METAL BREEZE II	304072	Brushed chrome	Aluminum raw

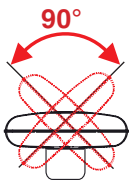
Technical details		Dimensions (mm)	
Power motor (W)	50	452	260
Voltage (V/Hz)	220-240/~50		970-1,300
No. of speeds	3		
Rpm min ⁻¹	1,150	400	
Oscillation (°)	85		
Weight (kg)	7.3		
Blade Ø	400		
Sound pressure (L _p -3m) dB(A)	41.9		
Sound power (L _w) dB(A)	61.6		
Airflow (m ³ /h)*	2,499		
Service value (m ³ /min/W)	1.15		

Ambient temperature -10° to <+40 °C. *measured in accordance IEC 60879

AIROS ECO SILENT

From super soft to super strong

CasaFan
VENTILATOREN



COMMERCIAL USE
Certified in accordance with Machinery Directive 2006/42/EC, part 1 for commercial use.



AIROS ECO SILENT #64501

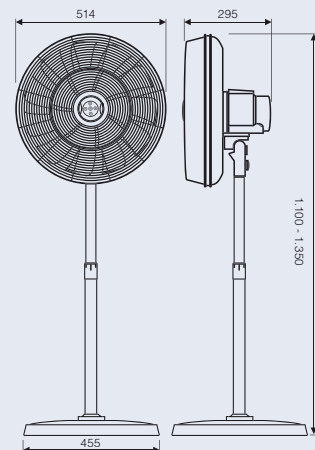
AIROS ECO SILENT #64501

Plastic housing black, protective grille black finished

- High-performance stand fan with high-efficiency, brushless EC motor.
- Housing, protective grille and stand black, impeller plastic transparent.
- 6 finely graduated speed levels adjustable by means of pushbutton or remote control. An additional low level creates a super gentle breeze at only 13.2 dB(A)*.
- Magnetic holder for the remote control in the centre of the protective grille.
- Maximum air flow 10,023 m³/h.
- Vertical inclination (35°) adjustable.
- Electronic 90° oscillation, can be switched off.
- Heavy, tip-proof stand.
- Switch-off timer 1 to 9 hours.
- Innovative, patented impeller with 18 blades and 2 blade circles for lowest noise and highest air performance.
- This fan is approx. 20 dB(A) quieter than e.g. the industrial wind machine WM2 Eco with the same air performance!
- 2.5 m rubber sheathed cable, H05RN-F G 3 1.0 mm² with Schuko plug.

Product	Code No.	Housing, Grille
AIROS ECO SILENT	64501	black

Technical details	Dimensions (mm)
Power motor (W)	4.2 - 90
Voltage (V/Hz)	220-240/~50
No. of speeds	6 + 1
Rpm min ⁻¹	850
Oscillation (°)	90
Weight (kg)	10,0
Blade Ø	442
Sound pressure (L _p -3m) dB(A)	35.6
Sound power (L _w) dB(A)	56.1
Airflow max. (m ³ /h)**	10,023
Service value (m ³ /min/W)	1.92



Ambient temperature -10° to <+40 °C ** measured in accordance IEC 60879
* Sound pressure L_p -3 m

Quieter than a whisper ...

An additional „Sleep“ level creates a gentle breeze and a barely perceptible noise - with 4.2 watts consumption only.



Versatile ...

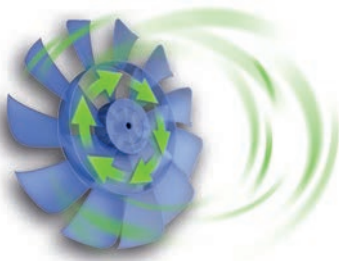
6 perfectly matched speed levels for every need. From a gentle breeze up to a violent storm with more than 10,000 m³/h** - the Airos Eco Silent fits every situation!

HighTech ...

Encapsulated, highly efficient EC precision motor with permanent magnet and integrated control electronics. The 3rd generation of brushless EC motor technology. Saves up to 50% energy compared to conventional AC motors.

Powerful ...

Newly developed, patented impeller for a wider airflow with a higher range. The slower airflow of the inner 7-blade impeller is merged with the faster airflow of the outer 11-blade impeller in front of the fan, achieving a longer reach (up to 25 m) with a uniform flow.



Flexible ...

Whether in the office or at home: the Airos Eco Silent can be used anywhere thanks to the perfectly coordinated levels. The power can be individually adjusted to suit your needs!

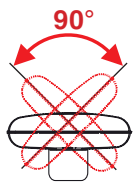


AIROS ECO SILENT WALL

System design with highest quality

NEW

CasaFan
VENTILATOREN



COMMERCIAL USE
Certified in accordance with Machinery Directive 2006/42/EC, part 1 for commercial use.



AIROS ECO SILENT WALL SW

#60509

Wall fan black

- Innovative, patented impeller with 18 blades and 2 blade circles for lowest noise and highest air performance.
- This fan is approx. 20 dB(A) quieter than e.g. the industrial wind machine WM3 Wall Eco with the same air performance!
- 6 finely graduated speed levels adjustable by means of pushbutton or remote control. An additional low level creates a super gentle breeze at only 13.2 dB(A)*.
- Housing, protective grille and wall bracket black, impeller plastic transparent.
- Vertical inclination from -39° to +18° adjustable.
- Switch-off timer 1 to 9 hours.
- Electronic 90° oscillation, can be switched off.
- 2.5 m rubber sheathed cable, H05RN-F G 3 1.0 mm² with Schuko plug.
- Maximum air flow 10,023 m³/h.**
- Easy-care plastic housing with painted protective grille made of high-quality metal.

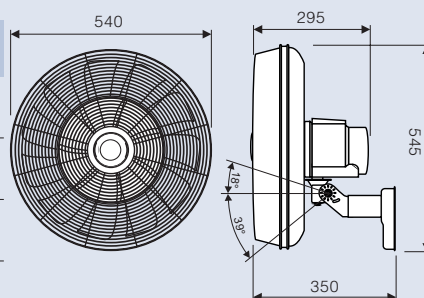


Included remote control with magnetic wall bracket and digital level display

Product	Code No.	Colour
AIROS ECO SILENT WALL	64509	black

Technical details			
Power motor (W)	4,2 - 90	Rpm min ⁻¹	850 max.
Voltage (V/Hz)	220-240/~50	Oscillation (°)	90
No. of speeds	6 + 1	Wight (kg)	6.3
Sound pressure (L _P -3m) dB(A)	35.6	Sound power (L _W) dB(A)	56.1
Airflow (m ³ /h)**	10,023	Service value (m ³ /min/W)	1.92

Dimensions (mm)	
Fan blade Ø	442
Fan grille Ø	540
Cage inclination approx.	-39°/18°



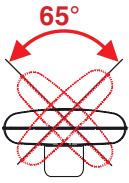
Ambient temperature -10 to <+40 °C.

* sound pressure LP -3 m
** measured in accordance with IEC 60879

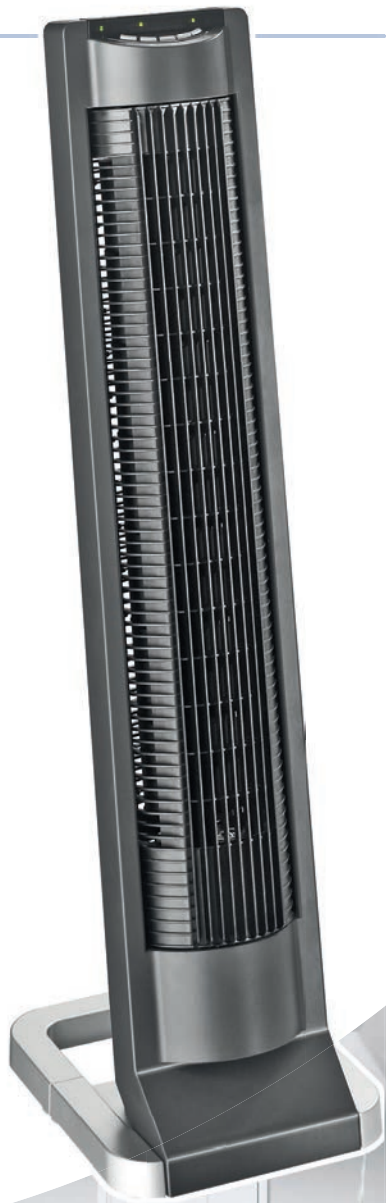
Airos Pin II

Slim, modern style with high range

CasaFan
VENTILATOREN



COMMERCIAL USE
Certified in accordance with Machinery Directive 2006/42/EC, part 1 for commercial use.



Airos Pin II #67522

Colour anthracite/black

Remote control:

Storage in fan head. All functions switchable.



- Elegant, compact housing made of shockproof, thermo-plastic ABS resin, anthracite/ black.
- 3 speeds settings.
- Timer up to 7.5 hours switch off delay.
- Natural modes for continuously varying airflow.
- Storage for remote control in the fan head.
- All functions are switchable on the device and via the infrared remote control.
- Stable, anti-tip base. satin silver colour.
- LEDs display the function that has been selected.
- Internal 65°-oscillation evenly distributes the airflow around the room.
- 2.5 m cable with a Euro flat plug.
- Specially developed tangential blade for low noise with maximum air performance - range up to 6 m.
- Practical handle integrated into the reverse side of the housing.

Product	Code No.	Colour
Airos Pin II	67522	Anthracite/ black.

Technical details		Dimensions (mm)	
Power motor (W)	40		
Voltage (V/Hz)	220-240/~50		
No. of speeds	3		
Rpm min ⁻¹	1,250 max.		
Oscillation (°)	65 intern		
Weight (kg)	3.9		
Sound pressure (L _p -3m) dB(A)	33.4		
Sound power (L _w) dB(A)	56.1		
Airflow max. (m ³ /h)*	412		
Service value (m ³ /min/W)	0.23		

Ambient temperature -10° to <+40 °C. * measured in accordance with ISO 5801

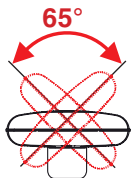
Airos Big Pin II

Slim, modern format and high structure – available in two current colours

CasaFan
VENTILATOREN

Airos Big Pin II WE #67541

Colour white



COMMERCIAL USE
Certified
in accordance with
Machinery Directive
2006/42/EC, part 1
for commercial use.



Airos Big Pin II SW #67540

Colour anthracite/black

All functions are switchable on the device and via the infrared remote control.



- Elegant housing made of shock-resistant ABS plastic, anthracite/black or painted white.
- 3 speed settings.
- Timer for up to 7.5 hours.
- Natural modes for continuously varying airflow.
- Remote control storage in the fan head.
- Temperature function controls the speed.
- Subtly lit display shows the function that has been selected.
- Specially developed impeller for low noise whilst maintaining top air performance – range up to 8 m.
- Stable, anti-tip base.
- Internal 65°-oscillation evenly distributes the airflow around the room.
- 2.5 m cable with a Euro flat plug.
- Practical handle integrated on the reverse side of the housing.

Product	Code No.	Colour
Airos Big Pin II SW	67540	Anthracite/black
Airos Big Pin II WE	67541	White

Technical details		Dimensions (mm)	
Power motor (W)	40		Outlet grille 550 x 68 mm
Voltage (V/Hz)	220–240/~50		
Number of speeds	3		
Rpm min. -1	1,270 max.		
Oscillatory motion (°)	65 internal		
Weight (kg)	5.2		
Sound pressure (L _p -3 m) dB(A)	37.9		
Sound power (L _w) dB(A)	60.0		
Airflow max. (m ³ /h)	465*		
Service value (m ³ /min/W)	0.19		

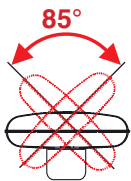
Ambient temperature -10° to <+40 °C. * measured in accordance with ISO 5801



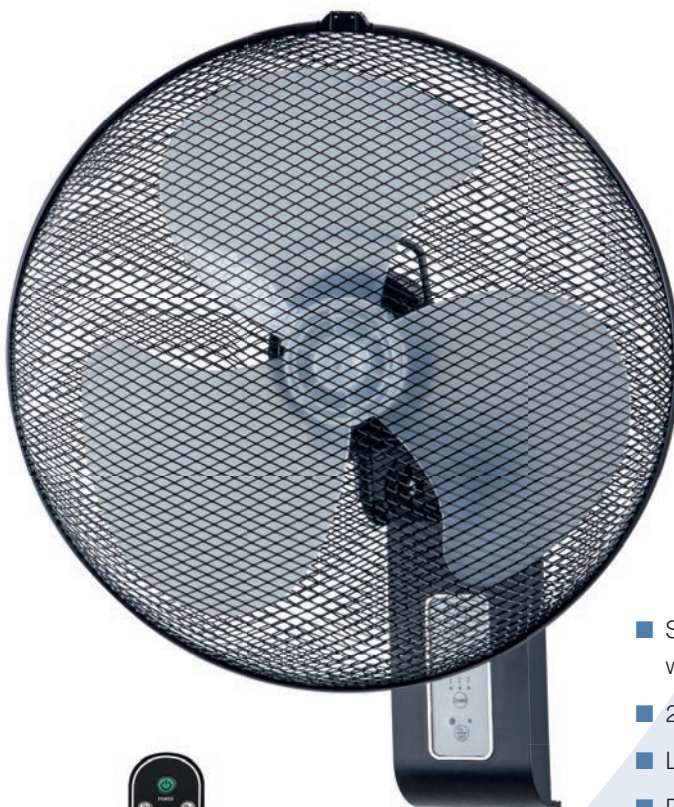
Greyhound WV 45-II FB

Make space on your desk!

CasaFan
VENTILATOREN



COMMERCIAL USE
Certified in accordance with Machinery Directive 2006/42/EC, part 1 for commercial use.



Includes remote control

WV 45-II FB AZ #304525

Housing and protective grille matt anthracite, fan blade transparent

- Housing made of shock-resistant plastic, matt. Transparent fan blade.
- 85°-oscillation (can also be turned off via remote control).
- 3 speeds, switchable via the pressure switch.
- 3-blade optimised fan blade for top airflow and minimal noise.
- Vertically fan head tilt can be adjusted.
- Stable base with rubber feet and wall mount.
- 2.5 m cable with a Euro flat plug.
- LED function display.
- Protective cage can be removed to clean the fan grille and the fan blade.



WV 45-II FB AZ #304525

Housing and protective grille are matt anthracite, fan blade is transparent

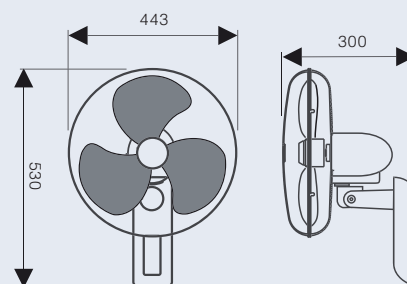
WV 45-II FB LG #304524

Housing and protective grille are matt light grey, fan blade is transparent

Product	Code No.	Housing	Fan blade colour
WV 45-II FB AZ	304525	Matt anthracite	Transparent
WV 45-II FB LG	304524	Light grey matt	Transparent

Technical details			
Power motor (W)	54 max.	Rpm min. -1	1,145 max.
Voltage (V/Hz)	220-240/~50	Oscillatory motion (°)	85
Number of speeds	3	Weight (kg)	3.0
Sound pressure (L _p -3 m) dB(A)	35.5	Sound power (L _w) dB(A)	56.0
Airflow max. (m ³ /h)*	4,188	Service value (m ³ /min/W)	1.29

Dimensions (mm)	
Fan blade Ø	400
Fan grille Ø	443
Cage inclination approx.	35



Ambient temperature -10° to +35 °C. * measured in accordance with IEC 60879

Speed2Stand

Need a bit more air?

CasaFan
VENTILATOREN

COMMERCIAL USE
Certified in accordance with Machinery Directive 2006/42/EC, part 1 for commercial use.



Can be adjusted to five precise settings with the optional 5-speed-transformer **ETWZ 1,0 #891020**



Speed2Stand #304010

Chrome protective grille, fan blade in black painted aluminium, base and tubular frame in silver-grey paint.

- High-performance pedestal fan.
- Ideal for use at home and for commercial use.
- 3 speed settings which can be operated using the turn switch.
- Vertical tilt adjustable in the range of 100°.
- Chromed protective grille, housing, frame and base painted silver grey.
- Stable, anti-tip tubular frame base, height-adjustable from between 1,160 until 1,460 mm.
- Practical handle and cable winder on the reverse of the protective grille.
- High-performance aluminium fan blade, painted black.
- Degree of protection IPX0 for use in dry areas.
- 2.5 m rubber sheathed cable, H05RN-F G 3 1.0 mm² with Schuko plug.

Product	Code no.	Housing/grille colour	Fan blade
Speed2Stand	304010	Silver grey/chrome	Aluminium, black

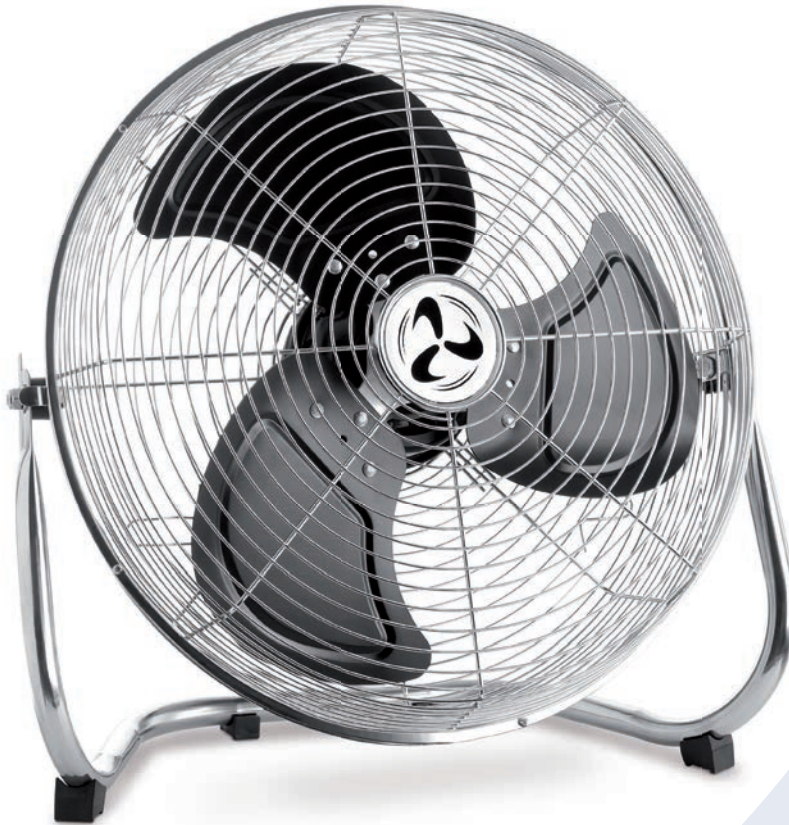
Technical details		Dimensions (mm)	
Power motor (W)	110		
Voltage (V/Hz)	220-240/~50		
Number of speeds	3		
Rpm min. -1	1,305 max.		
Weight (kg)	12.8		
Sound pressure (L _p -3 m) dB(A)	40.7		
Sound power (L _w) dB(A)	62.9		
Airflow max. (m ³ /h)*	5,685		
Service value (m ³ /min/W)	1.06		
Fan grille Ø mm	440		
Fan blade Ø mm	400		

Ambient temperature - 10° to +42 °C. * measured in accordance with IEC 60879



Speed-G CH

The practical one – a fresh breeze wherever it is needed



Speed 50-G CH #305008

Housing, protective cage and tubular frame in shiny chrome, fan blade painted black

- Chromed, robust protective grille to prevent injuries.
 - 3 speed settings which can be operated using the rotary switch.
 - Adjustable vertical tilt.
 - Suitable for wall mounting and chain suspension (chains on-site).
 - Stable, anti-tip tubular steel stand with rubber feet.
 - Practical handle and cable winder on the reverse of the protective grille.
 - High-performance aluminium fan blade.
 - Degree of protection IPX0 for dry areas.
 - 2.5 m rubber sheathed cable, H05RN-F G 3 1.0 mm² with Schuko plug.
- Can be adjusted to five precise settings down to silent with the optional 5-speed-transformer **ETWZ 1.0 #891020**.



Product	Code no.	Housing/grille colour	Fan blade
Speed 40-G CH	304008	Chrome	Black
Speed 50-G CH	305008	Chrome	Black

Technical Details	Speed 40	Speed 50	Technical Details	Speed 40	Speed 50
	Power Motor (W)	110		120	Weight (kg)
Voltage (V/Hz)	220-240/~50		Number of speeds	3	
Sound pressure (L _p -3 m) dB(A)	40.7	46.8	Sound power (L _w) dB(A)	62.9	69.1
Service value (m ³ /min/W)	1.06	1.09	Airflow max. (m ³ /h)*	5,685	7,860

Dimensions (mm)

Speed 40

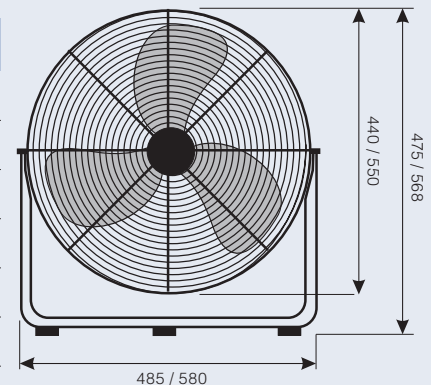
Fan grille Ø mm 440

Fan blade Ø mm 400

Speed 50

Fan grille Ø mm 550

Fan blade Ø mm 500



Speed 40-G CH #304008

Housing, protective cage and tubular frame in shiny chrome, fan blade painted black

Ambient temperature - 10° to +42 °C. * measured in accordance with IEC 60879

Gordon W

Subtly elegant on the wall –
high-power if required



COMMERCIAL USE

Certified in accordance with Machinery Directive 2006/42/EC, part 1 for commercial use.



actual italian design,
selected for ADI
DESIGN INDEX 2004



Design:
F. Trabucco and M. Vecchi.



Wall fan

Gordon W 40 LG #60641

Colour light grey

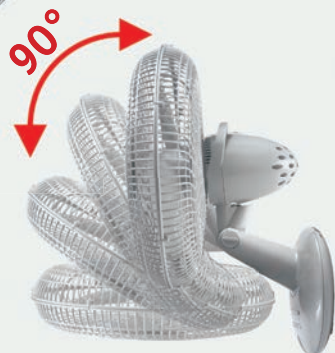
- Housing, protective grille and fan blade made of shock-resistant plastic.
- 3 speed settings, 6-hour timer, oscillatory motion and natural mode can be set via remote control and on the unit.
- LED display shows the functions being used.
- Electronic 90°-oscillatory motion, can be turned off.
- 3-blade optimised fan blade, for top airflow and minimal noise.
- Cage tilt can be adjusted vertically.
- Stable wall mount, to be assembled using the enclosed mounting materials.
- For fixed connection without cable, can be retrofitted with cable and Euro flat plug.
- Protection rating – IP20, double insulated.
- Protective cage can be opened to clean the grille and the blade.

All functions can be set using the remote control that is included with the product!



Gordon W 30 LG #60643

Colour light grey

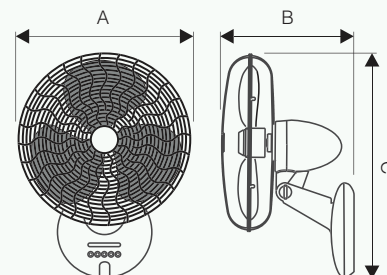


The cage tilt is adjustable in the **Gordon wall** range

Product	Code No.	Colour
Gordon W 30 LG	60643	Light grey
Gordon W 40 LG	60641	Light grey

Technical details	W 30 W 40		Technical details	W 30 W 40	
Power motor (W)	35	40	Rpm min ⁻¹	1,300	1,145
Voltage (V/Hz)	230~50		Oscillation (°)	90	
Number of speeds	3		Weight (kg)	2.7	3.0
Sound pressure (L _p -3 m) dB(A)	29,1	35,1	Sound power (L _w) dB(A)	50.8	57.2
Service value (m ³ /min/W)	1,143	1,667	Airflow max. (m ³ /h)*	2,400	4,000

Dim. (mm)	W 30	W 40
Grille Ø	365	460
Blade Ø	300	400
Dim. A	365	460
Dim. B	335	355
Dim. C	550	600



Ambient temperature -10° to <+40 °C. * measured in accordance IEC 60879

DESK2PROTECT SL

ensures safety in summer in harsh, damp and dirty environments

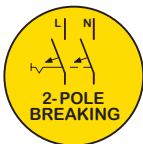
CasaFan ⚡
SafeLine

COMMERCIAL USE
Certified in accordance with Machinery Directive 2006/42/EC, part 1 for commercial use.



IP54

dust protected
splash proof



DESK2PROTECT #303512

Housing, protective grille and frame with double corrosion protection coating in white, fan blade in seawater-resistant aluminium

- High-performance table/superstructure fan in all-metal industrial design.
- Ideal for use as a personal fan in production, storage and shipping.
- Easy to assemble on superstructures or frames.
- 3 speeds by using the encapsulated pressure switch. 2-pole ON/OFF switch.
- Vertical tilt adjustable in the range of 130°.
- Protective grille, housing, frame and base with double coat of corrosion protection paint, colour white.
- Stable, anti-tip base.
- Practical handle on the reverse of the protective grille.
- 2.5 m rubber sheathed cable H07RN-F G 3 1.0 mm² for high mechanical loads with IP54 Schuko plug.
- High-performance aluminium fan blade.
- Protection rating – IP54 splash-proof, insulation class I.

Easy to assemble on trusses and superstructures.



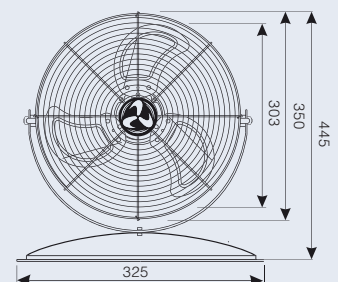
2-pole ON/OFF switch and switch for the different speeds are underneath the rubber housing.



Product	Code No.	Colour housing/grille	Blade
DESK2PROTECT SL	303512	Double coat of corrosion protection paint, white	Aluminium

Technical details		Dimensions (mm)	
Power motor (W)	43	Fan grille Ø mm	350
Voltage (V/Hz)	220–240/~50	Fan blade Ø mm	303
Number of speeds	3		

Rpm min. -1	1,360 max.
Weight (kg)	5.1
Sound pressure (L _p -3 m) dB(A)	40.8
Sound power (L _w) dB(A)	58.4
Airflow max. (m ³ /h)*	2,250
Service value (m ³ /min/W)	1.0



Ambient temperature - 10° to +42 °C. * measured in accordance with IEC 60879

FLOOR2PROTECT SL

Fresh wind with safety - even in harsh, wet and dirty environment

CasaFan ⚡
SafeLine

COMMERCIAL USE

Certified in accordance with Machinery Directive 2006/42/EC, part 1 for commercial use.



IP54

dust protected
splash proof



2-pole ON/OFF switch and switch for the different speeds are underneath the rubber housing.



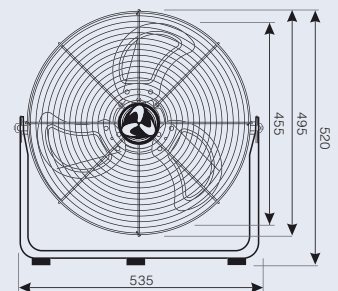
FLOOR2PROTECT SL #304515

Housing, protective grille and tubular frame with double corrosion protection coating in white

- High-performance floor fan in industrial design.
- Ideal for use in production, storage and shipping.
- 3 speeds by using the encapsulated pressure switch. 2-pole ON/OFF switch.
- Vertical tilt adjustable in the range of 130°.
- Protective grille, housing, frame and tubular base with double coat of corrosion protection paint, colour white.
- High-performance fan blade made of seawater-resistant aluminium.
- Practical handle on the reverse of the protective grille.
- 2.5 m rubber sheathed cable H07RN-F G 3 1.0 mm² for high mechanical loads with IP54 Schuko plug.
- Protection rating – IP54 dust and splashproof, insulation class I.

Product	Code No.	Housing/grille colour	Blade
FLOOR2PROTECT SL	304515	Double coat of corrosion protection paint, white	Aluminium

Technical details		Dimensions (mm)	
Power motor (W)	120	Fan grille Ø mm	495
Voltage (V/Hz)	220-240/~50	Fan blade Ø mm	455
Number of speeds	3		
Rpm min. -1	1,250 max.		
Weight (kg)	7.1		
Sound pressure (L _p -3 m) dB(A)	49.9		
Sound power (L _w) dB(A)	72.0		
Airflow max. (m ³ /h)*	10,700		
Service value (m ³ /min/W)	1.45		



Ambient temperature - 10° to +42 °C. * measured in accordance with IEC 60879

SPEED2PROTECT SL

Fresh wind with safety - even in harsh, wet and dirty environment

CasaFan ⚡
SafeLine

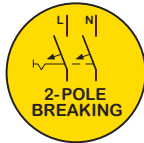
COMMERCIAL USE

Certified in accordance with Machinery Directive 2006/42/EC, part 1 for commercial use.



IP54

dust protected splash proof



SPEED2PROTECT SL #304514

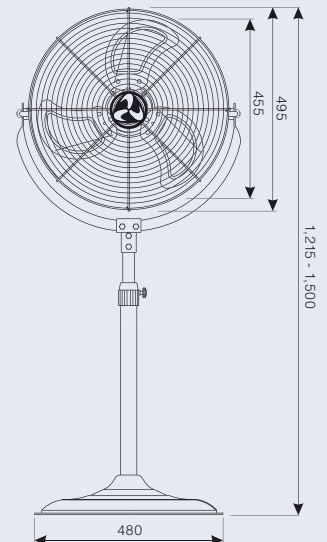
Housing, protective grille and tubular frame with double corrosion protection coating in white

- High-performance pedestal fan in industrial design.
- Ideal for use in production, storage and shipping.
- Mount for fixed wall installation is included.
- 3 speeds by the encapsulated pressure switch. 2-pole ON/OFF switch.
- Vertical tilt adjustable in the range of 130°.
- Protective grille, housing, frame and base with double coat of corrosion protection paint, colour white.
- Stable, anti-tip tubular frame base, height-adjustable.
- Practical handle on the reverse of the protective grille.
- 2.5 m rubber sheathed cable H07RN-F G 3 1.0 mm² for high mechanical loads with IP54 Schuko plug.
- High-performance aluminium fan blade.
- Protection rating – IP54 dust and splashproof, insulation class I.

Product	Code No.	Housing/grille colour	Blade
SPEED2PROTECT SL	304514	Double coat of corrosion protection paint, white	Aluminium

Technical details	Dimensions (mm)
-------------------	-----------------

Power motor (W)	120
Voltage (V/Hz)	220-240/~50
Number of speeds	3
Rpm min. -1	1,250 max.
Weight (kg)	7.1
Sound pressure (L _p -3 m) dB(A)	49.9
Sound power (L _w) dB(A)	72.0
Airflow max. (m ³ /h)*	10,700
Service value (m ³ /min/W)	1.45
Fan grille Ø mm	495
Fan blade Ø mm	455



Wall mount is included

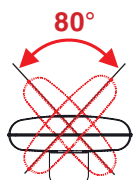


2-pole ON/OFF switch and switch for the different speeds are underneath the rubber housing.

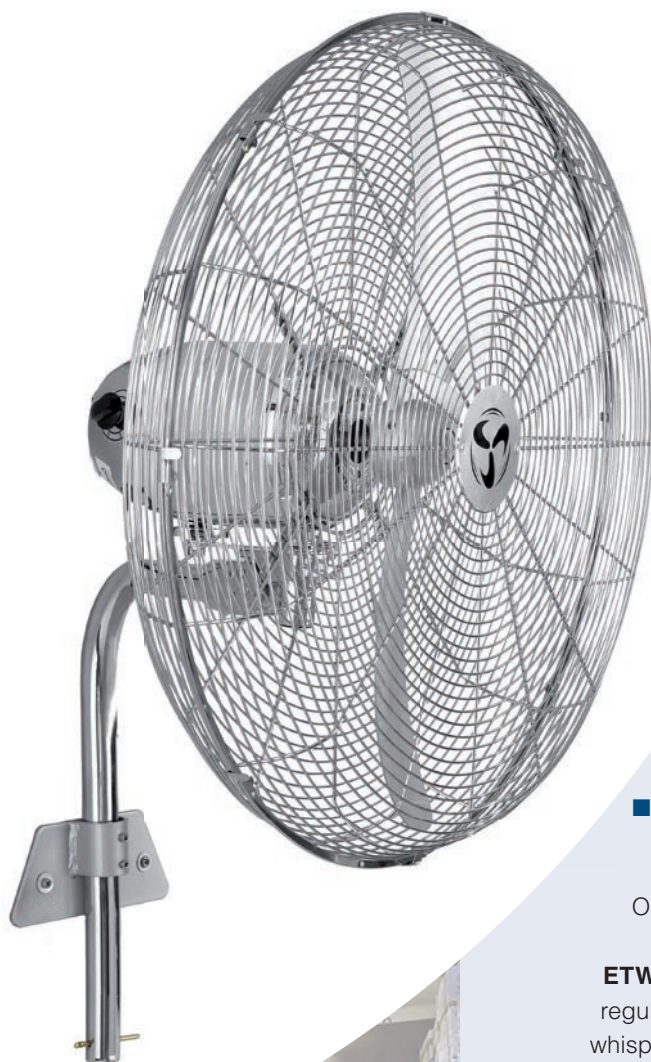
Ambient temperature - 10° to +42 °C. * measured in accordance with IEC 60879

WM2 Wall Eco

Wind machine for wall mounting



COMMERCIAL USE
Certified in accordance with Machinery Directive 2006/42/EC, part 1 for commercial use.



Wind machine

WM2 WALL ECO #207512

Wall rod and grille chrome, housing, blade and wall mount silver grey

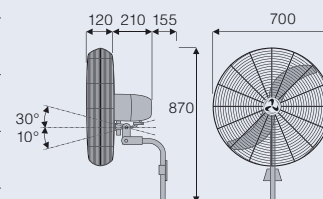
- Wall rod and protective grille chrome, housing, blade and wall mount silver grey.
- Heavy all-metal product.
- 3 speeds selectable by rotary switch at the motor.
- Mechanical 80°-oscillation, can be switched off.
- 2-blade, sickle shaped wheel, designed for best air delivery.
- Vertical adjustable grille pitch.
- Wall mount height adjustable.
- 2.5 m rubber sheathed cable, H05RN-F G 3 1.0 mm² with Schuko plug.
- Protection rating IPX0 for use in dry areas.

Optional 5-speed transformer
ETWZ 1,0 #891020 for regulation in between a whisper quiet breeze and high performance available.



Product	Code No.	Housing/blade	Grille colour
WM2 Wall Eco	207512	Silver grey	Chrome

Technical details		Dimensions (mm)	
Power motor (W)	123	Grille Ø mm	700
Voltage (V/Hz)	220-240/~50	Blade Ø mm	650
Number of speeds	3	Height max. mm	870
Rpm min. -1	1,190 max.	Weight (kg)	11.2
Oscillation (°)	80		
Sound pressure (L _p -3 m) dB(A)	58.2		
Sound power (L _w) dB(A)	76.7		
Airflow max. (m ³ /h)*	9,530		
Service value. (m ³ /min/W)	1.26		

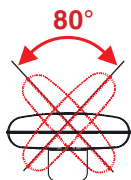
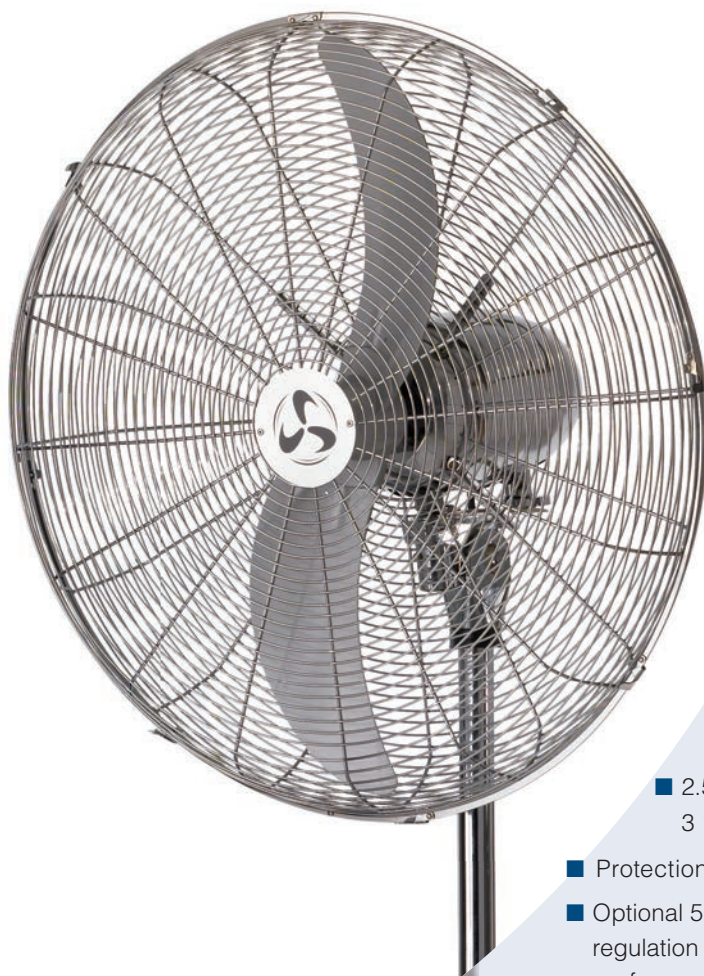


Ambient temperature - 10° to +42 °C. * measured in accordance with IEC 60879

WM2 Stand Eco

Stand-alone wind machine

CasaFan
VENTILATOREN



COMMERCIAL USE
Certified in accordance with Machinery Directive 2006/42/EC, part 1 for commercial use.



Wind machine

WM2 Stand ECO #207503

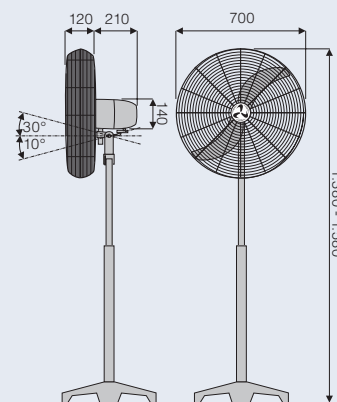
Housing, blade and stand base silver grey, protective grille and stand rod chrome

- Stand rod and protective grille chrome, housing, blade and base silver grey.
- Heavy all-metal product.
- 3 speeds selectable by rotary switch at the motor.
- Mechanical 80°-oscillation, can be switched off.
- 2-blade, sickle shaped wheel, designed for best air delivery.
- Vertical adjustable grille pitch.
- Stable, tilt-free pedestal, adjustable up to 1,580 mm with die cast base.
- 2.5 m rubber sheathed cable, H05RN-F G 3 1.0 mm² with Schuko plug.
- Protection rating IPX0 for use in dry areas.
- Optional 5-speed transformer **ETWZ 1,0 #891020** for regulation in between a whisper quiet breeze and high performance available.

Product	Code No.	Housing/blade/stand	Grille/rod colour
WM2 Stand Eco	207503	Silver grey	Chrome

Technical details Dimensions (mm)

Power motor (W)	120
Voltage (V/Hz)	220-240/~50
Number of speeds	3
Rpm min. -1	1,190 max.
Oscillation (°)	80
Weight (kg)	16.4
Sound pressure (L _p -3 m) dB(A)	58.2
Sound power (L _w) dB(A)	76.7
Airflow max. (m ³ /h)*	9,530
Service value. (m ³ /min/W)	1.26
Grille Ø mm	700
Blade Ø mm	650



Ambient temperature - 10° to +42 °C. * measured in accordance with IEC 60879

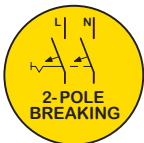
DF600/800 Eco SL

Our workaholics: robust and high-performance

CasaFan ⚡
SafeLine

COMMERCIAL USE

Certified in accordance with Machinery Directive 2006/42/EC, part 1 for commercial use.



IP54

dust protected splash proof



Accessory for wall mounting WHDF # 96080 order separately

DF600 Eco SL IP54 #306090

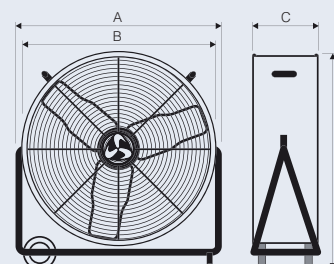
DF800 Eco SL IP54 #308095

Housing, fan blade, matt black

- High-performance drum fans.
- Ideal for use in production, warehouse and shipping.
- 3 speeds by the encapsulated pressure switch. 2-pole ON/OFF switch.
- Vertical tilt adjustable in the range of 360°.
- Aluminium fan blade has been optimised from a technical airflow perspective.
- Protective grille, housing, frame and fan blade painted black.
- Stable, anti-tip tubular steel stand with rubber wheels and feet.
- Practical handle on the housing and cable winder on the reverse of the protective grille.
- Protection rating – IP54 dust- and splashproof, insulation class I.
- Optional 5 speed transformer ETWZ 1,0 #891020.
- 2.5 m rubber sheathed cable H07RN-F G 3 1.0 mm² for high mechanical loads with IP54 Schuko plug.

Product	Code No.	Housing/grille	Blade
DF800 Eco SL IP54	308095	Matt black paint	Black paint
DF600 Eco SL IP54	306090	Matt black paint	Black paint

Technical details		Dimensions (mm)	
Model	DF800	DF600	DF600
Dim. A/B	880/830	750/680	
Dim. C/D	260/920	270/770	
Power motor (W)	123		
Voltage (V/Hz)	220-240/~50		
Fan blade Ø	750	600	
Number of speeds	3		
Fan grille Ø	830	680	
Rpm min. -1	870 max.		
Sound pressure (L _p -3 m) dB(A)	56.8	53.9	
Sound power (L _w) dB(A)	78.9	76.1	
Airflow max. (m ³ /h)*	15,650	13,000	
Service value (m ³ /min/W)	2,11	1,75	
Weight (kg)	19.3	16.3	



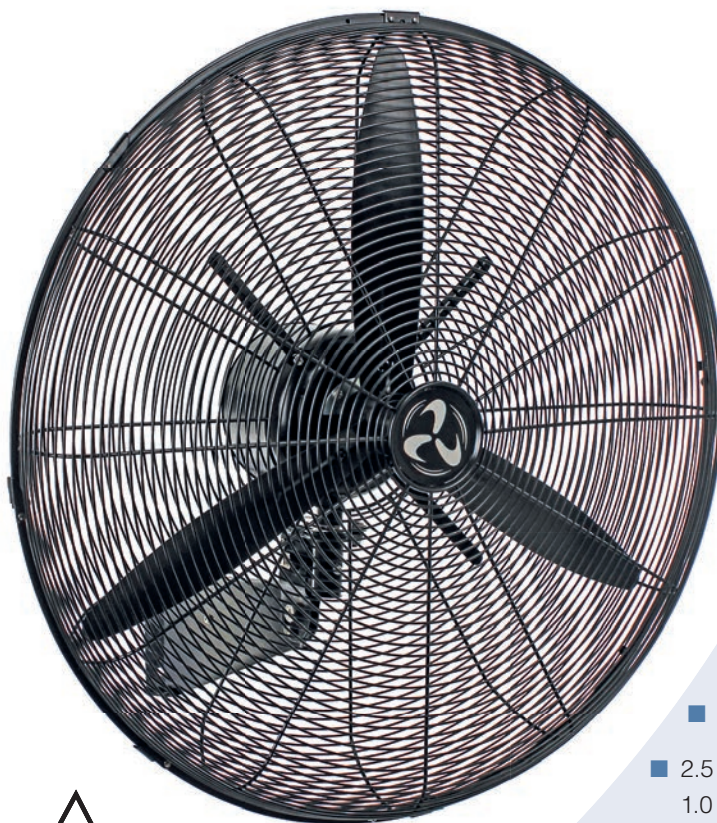
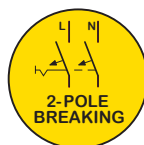
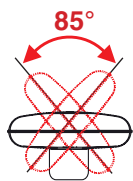
Ambient temperature - 10° to +42 °C. * measured in accordance with IEC 60879



WM3 Wall Eco SL

Safe for use in commercial areas with no trip hazard

CasaFan ⚡
SafeLine



Wall wind machine

WM3 Wall Eco SL #307502

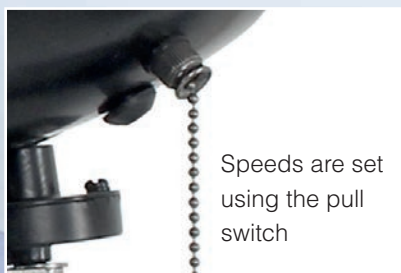
Housing, protective grille, fan blade and wall mount coated in anti-corrosion primer, matt black

- Wall mount, protective grille, housing, fan blade and wall mount coated in anti-corrosion primer and painted matt black.
- Heavy all-metal design.
- 3 speeds by the encapsulated pull switch. 2-pole ON/OFF switch.
- Mechanical 85°-oscillation, which can be switched off.
- 3-blade impeller for optimal airflow.
- Cage tilt can be adjusted vertically.
- Swivel wall mount.
- 2.5 m rubber sheathed cable H07RN-F G 3 1.0 mm² for high mechanical loads with IP44 Schuko plug.
- Protection rating – IP44 splash-proof, insulation class I.

Product	Code No.	Housing/grille	Blade
WM3 Wall Eco SL	307502	Matt black paint	Matt black paint

Technical details			
Power motor (W)	123	Rpm min. -1	1,190 max.
Voltage (V/Hz)	220–240/~50	Oscillation (°)	85
Number of speeds	3	Weight (kg)	13.3
Sound pressure (L _p -3 m) dB(A)	57.5	Sound power (L _w) dB(A)	80.0
Airflow max. (m ³ /h)*	10,800	Service value (m ³ /min/W)	1.46

Can be adjusted to five precise settings with the optional 5-speed-transformer **ETWZ 1,0 #891020**



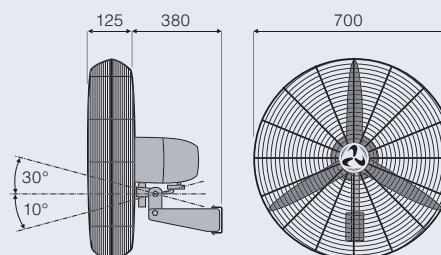
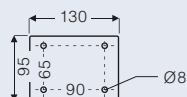
Speeds are set using the pull switch

Dimensions (mm)

Height max. 700

Fan blade Ø 650

Wall mount

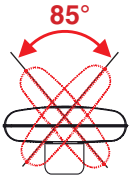


Ambient temperature - 10° to +42 °C. * measured in accordance with IEC 60879

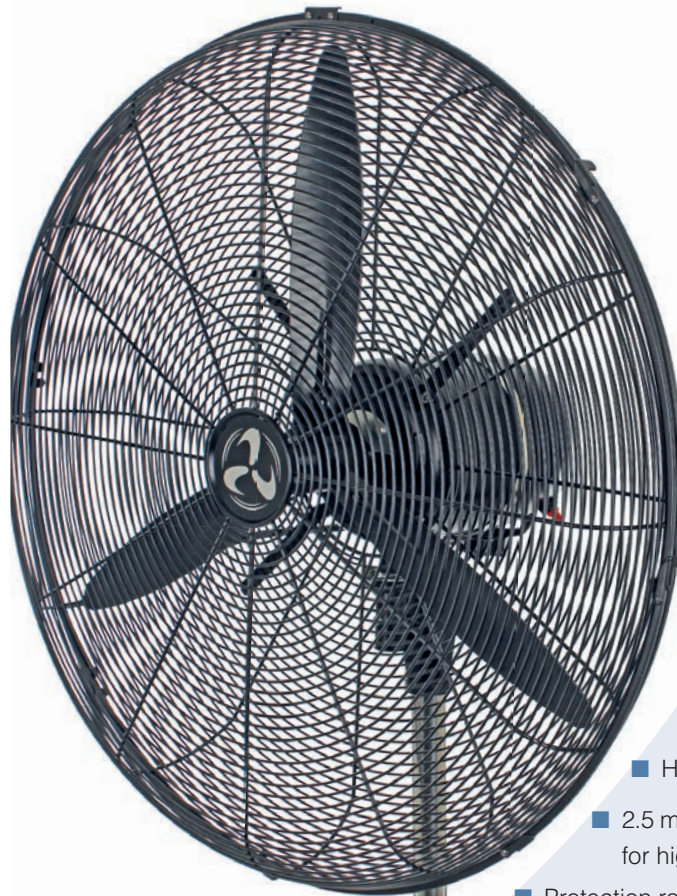
WM3 Stand Eco SL

Safe for use in commercial areas

CasaFan ⚡
SafeLine



COMMERCIAL USE
Certified in accordance with Machinery Directive 2006/42/EC, part 1 for commercial use.



Standing wind machine WM3 Eco SL #307511

Housing, protective grille, fan blade and base coated in anti-corrosion primer

- Housing, protective grille, fan blade and base coated in anti-corrosion primer and painted in matt black, chromed standpipe
- Heavy all-metal industrial design.
- 3 speeds by using the encapsulated pressure switch. 2-pole ON/OFF switch.
- Mechanical 85°- oscillation, which can be switched off.
- 3-blade impeller for optimal airflow.
- Cage tilt can be adjusted vertically.
- Height-adjustable standpipe up to max. 1,700 mm.
- 2.5 m rubber sheathed cable H07RN-F G 3 1.0 mm² for high mechanical loads with IP44 Schuko plug.
- Protection rating – IP44 splash-proof, insulation class I.
- Stable, anti-tip black base.
- Rpm can be reduced to approx. 400 rpm using 5-speed-transformer (**ETWZ 1.0 #891020**).

Product	Code No.	Housing/grille	Blade
WM3 Stand Eco SL stand wind machine	307511	Matt black paint	Matt black paint

Technical details		Dimensions (mm)	
Power motor (W)	123		
Voltage (V/Hz)	220-240/~50		
Number of speeds	3		
Rpm min. -1	1,190		
Weight (kg)	16.4		
Oscillation (°)	85		
Sound pressure (L _p -3 m) dB(A)	57.5		
Sound power (L _w) dB(A)	80.0		
Airflow max. (m ³ /h)*	11,500*		
Service value (m ³ /min/W)	1,56		

Ambient temperature - 10° to +42 °C. * measured in accordance with IEC 60879

Nordik International Plus

Robust and versatile for use in homes, offices and commercial areas, available in four sizes



COMMERCIAL USE
Certified in accordance with Machinery Directive 2006/42/EC, part 1 for commercial use.



Light kit I plus #22415
Opal glass light (max. 150 W, E27)

15 YEARS WARRANTY
on the motor

Nordik I 140 plus #61721

Housing and fan blades painted light grey

- Controllable with forward and reverse function.
- Balanced motor and metal blades.
- Motor housing made of shock-resistant, UV-resistant plastic, pure white colour.
- Stove-enamelled surface.
- Installation also on sloped ceilings up to 22°.

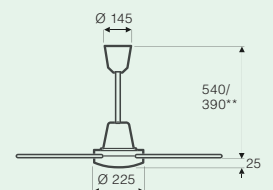
Options:

- ***Optional remote/wall control always available for order separately.
- Longer downrods for high rooms.
- I plus opal glass light kit optional (max. 150 W, E27).

Product	Code No.	Housing colour	Blade colour	Size Ø cm
I 90 plus	61701	Light grey		92
I 120 plus	61711	Light grey		122
I 140 plus	61721	Light grey		142
I 160 plus	61731	Light grey		162

Technical details			
Power motor (W)	90 +120: 70 140 +160: 72	Rpm min.-1 max.	207-238
Voltage (V/Hz)	230-50	Weight (kg)	5.5-6.8
Number of speeds	1 (3-5)***	Number of fan blades	3
Sound pressure (L _p -3 m) dB(A)	90: 25.8 120: 28.2 140: 31.7 160: 34.3	Airflow max.* (m ³ /h)	
		90: 8,550 120: 9,900	
		140: 13,500 160: 14,000	
Sound power (L _w) dB(A)	90: 46.1 120: 49.1 140: 52.6 160: 55.6	Service value (m ³ /min/W)	
		90: 2,036 120: 2,357	
		140: 3,214 160: 3,333	

Ø (mm)	
90:	920 140: 1,422
120:	1,222 160: 1,620



** Dimension with shortened downrod
Ambient temperature - 10° to <+40 °C.

* measured in accordance with IEC 60879



Nordik Heavy Duty Base

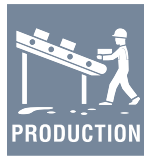
For use in very dirty and damp conditions



COMMERCIAL USE
Certified in accordance with Machinery Directive 2006/42/EC, part 1 for commercial use.



IP55
jet water protection



Newly developed mount to secure with four screws and vibration absorbers with integrated stainless steel cable protection

15 YEARS WARRANTY
on the motor

Nordik HD 160 Base #61022

Housing und fan blade hammer finished anthracite

- Available in four sizes.
- Balanced motor, insulation class H.
- Motor housing made of die-cast aluminium, three blades made of electrolytically galvanized sheet steel with anti-corrosion coating and final powder coating.
- Controllable with forward and reverse function.
- Protection rating IP55 jet water-proof, insulation class I.

Options:

- ***Optional remote/wall control Suitable for TDA-Control!
Control always available for order separately.

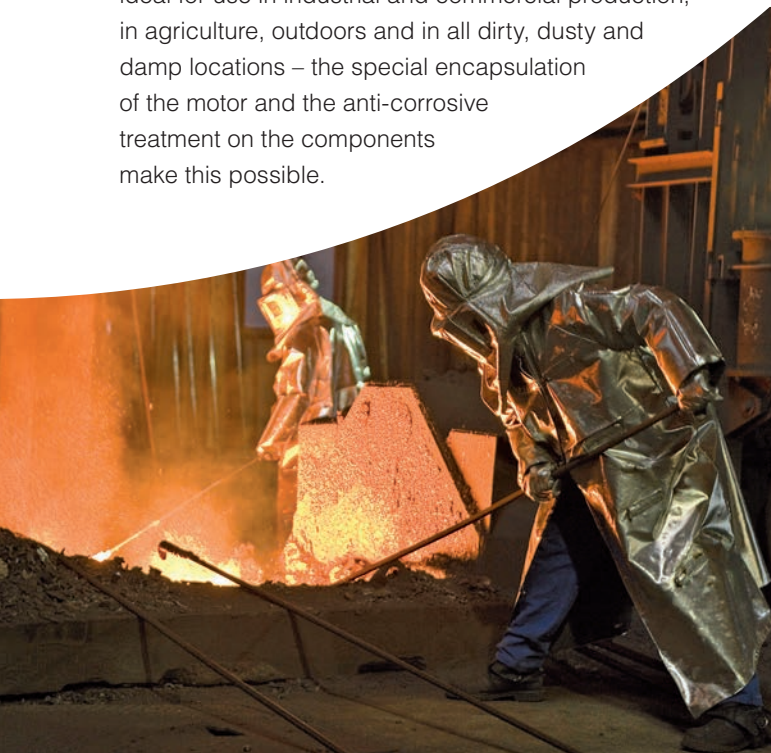
- Longer downrods for high rooms.

ST 67 HD #22718, ST 92 HD #22719



Nordik Heavy Duty

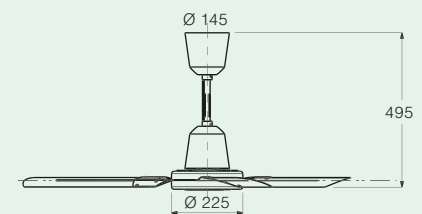
ideal for use in industrial and commercial production, in agriculture, outdoors and in all dirty, dusty and damp locations – the special encapsulation of the motor and the anti-corrosive treatment on the components make this possible.



Product	Code No.	Housing/blade colour
Nordik HD 120 Base	61020	Hammer finished anthracite
Nordik HD 140 Base	61021	Hammer finished anthracite
Nordik HD 160 Base	61022	Hammer finished anthracite
Nordik HD 200 Base	61023	Hammer finished anthracite

Technical Details			
Power motor (W)	120 +140: 80 160 +200: 85	Rpm min.-1 max.	186-233
Voltage (V/Hz)	230~50	Weight (kg)	7.3-9.1
Number of speeds	1 (3-5)***	Number of fan blades	3
Sound pressure (L _p -3 m) dB(A)		Airflow max.* (m ³ /h)	
120: 34.3	140: 37.9	120: 14,050	140: 16,000
160: 38.1	200: 38.9	160: 19,300	200: 22,050
Sound power (L _w) dB(A)		Service value (m ³ /min/W)	
120: 51.8	140: 55.4	120: 2.925	140: 3.332
160: 55.6	200: 56.4	160: 3.780	200: 4.320

Ø (mm)	
120:	1,218
140:	1,422
160:	1,524
200:	2,000

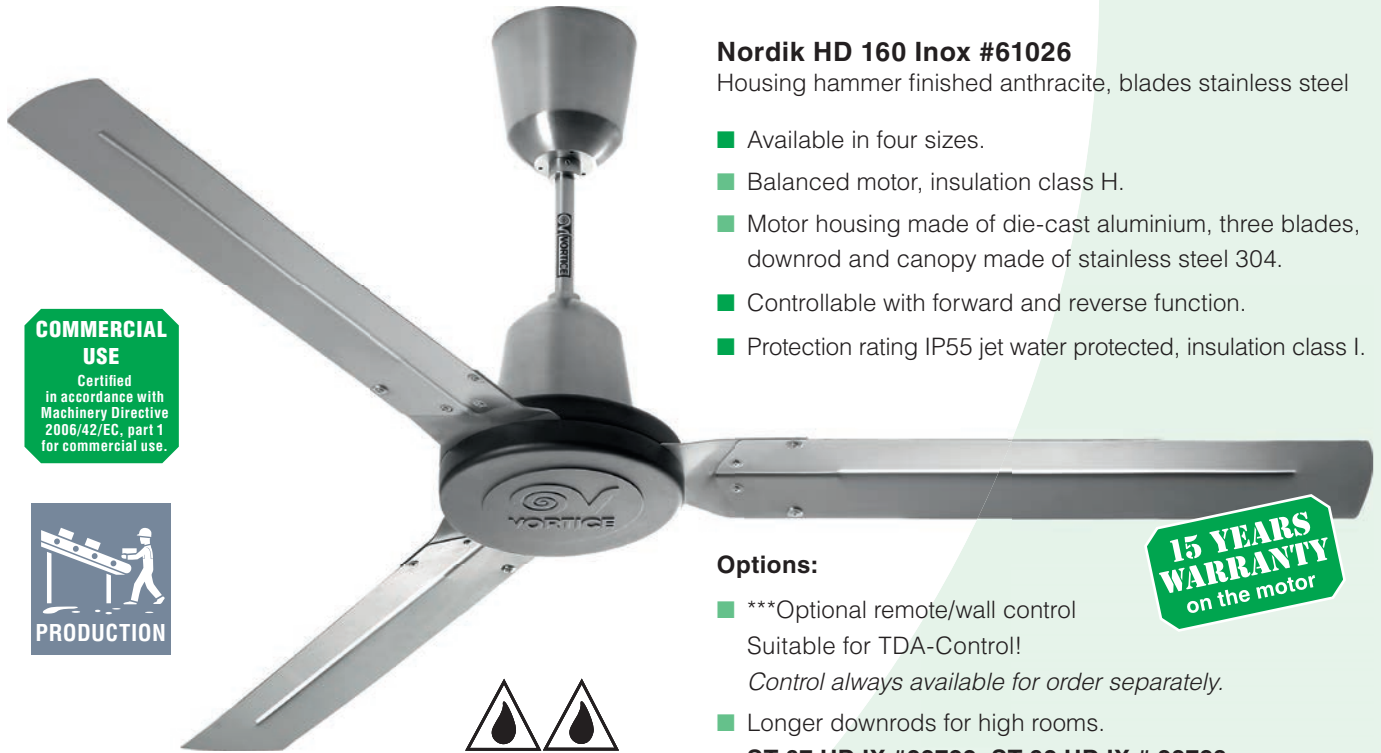


* measured in accordance with IEC 60879

Ambient temperature - 10° to +50 °C.

Nordik Heavy Duty Inox

For use in very dirty, damp and aggressive conditions



COMMERCIAL USE

Certified in accordance with Machinery Directive 2006/42/EC, part 1 for commercial use.



Nordik HD 160 Inox #61026

Housing hammer finished anthracite, blades stainless steel

- Available in four sizes.
- Balanced motor, insulation class H.
- Motor housing made of die-cast aluminium, three blades, downrod and canopy made of stainless steel 304.
- Controllable with forward and reverse function.
- Protection rating IP55 jet water protected, insulation class I.

15 YEARS WARRANTY
on the motor

Options:

- ***Optional remote/wall control
Suitable for TDA-Control!
Control always available for order separately.

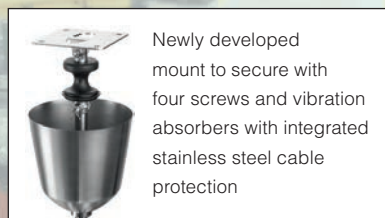
- Longer downrods for high rooms.

ST 67 HD IX #22722, ST 92 HD IX # 22723



HEAVY DUTY!

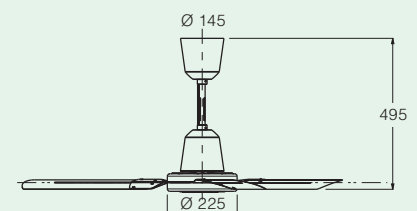
Especially well suited for use in conditions involving damp, dust, dirt, with high temperatures and in aggressive environments



Product	Code No.	Housing colour	Blade colour
Nordik HD 120 Inox	61024	Hammer finished anthracite	Stainless steel 304
Nordik HD 140 Inox	61025	Hammer finished anthracite	
Nordik HD 160 Inox	61026	Hammer finished anthracite	
Nordik HD 200 Inox	61027	Hammer finished anthracite	

Technical Details			
Power motor (W)	120 +140: 80 160 +200: 85	Rpm min.-1 max.	186-233
Voltage (V/Hz)	230~50	Weight (kg)	7.3-9.1
Number of speeds	1 (3-5)***	Number of fan blades	3
Sound pressure (L _p -3 m) dB(A)	120: 34.3 140: 37.9 160: 38.1 200: 38.9	Airflow max.* (m ³ /h)	120: 14,050 140: 16,000 160: 19,300 200: 22,050
Sound power (L _w) dB(A)	120: 51.8 140: 55.4 160: 55.6 200: 56.4	Service value (m ³ /min/W)	120: 2.925 140: 3.332 160: 3.780 200: 4.320

Ø (mm)	
120:	1,218
140:	1,422
160:	1,524
200:	2,000



* measured in accordance with IEC 60879
Ambient temperature - 10° to +50 °C.

Nordik SuperBlade HVLS

New series of ceiling fans for high and large rooms



HVLS

(High Volume Low Speed)

HVLS (High Volume Low Speed) ideal for cooling (in summer) and heat recirculation (in winter) in high rooms

- Available in 5 sizes from 3 to 7 m diameter
- Uniform air flow over large areas
- Low speed and noise
- For maximum thermal comfort of users in summer and winter



Perfect for the following applications:

- Airports
- Agriculture
- Breweries
- Industry/Commercial
- Production
- Warehouse facilities/distribution
- Event facilities
- Fitness facilities
- And many more



Optimal blade profile:

Aerodynamic profile: Made of extruded aluminium profiles, with winglets that significantly reduce turbulence, pressure loss and noise at the wingtips.

Central control:

Automatic adjustment of the speed of the NORDIK SUPERBLADE ceiling fans to achieve or maintain temperature or air speed. Problem-free integration into the building management system due to open Modbus interface.



Unprecedented performance::

Extremely high air volumes and uniform air flow at low speed (low noise), up to 850,000 m³/h.

EC Motor:

With integrated inverter, equipped with thermal overload protection, state-of-the-art, energy-saving technology, with very high degree of protection (IP65) against dust and water.



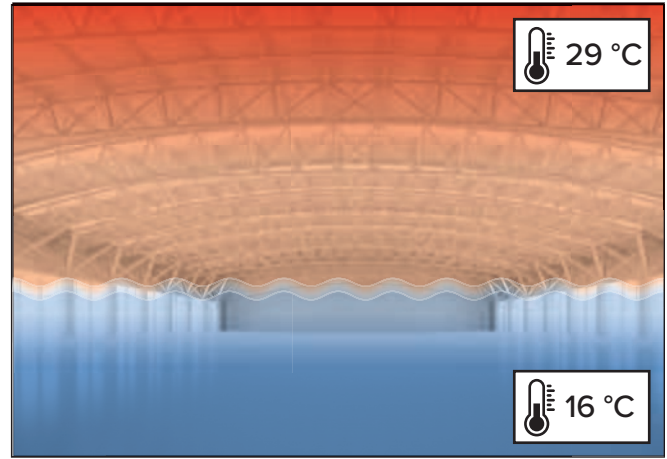
The heart: The brushless EC-Motor

- Power evenly distributed over the entire speed range.
- No maintenance and error-prone gearbox as with conventional AC HVLS fans.
- Brushless, maintenance-free motor with integrated inverter.
- Energy savings of up to 40% compared to conventional AC motors.
- Problem-free control by means of 0 - 10 V DC control signal. Optionally, control via building management system with Modbus protocol (RS 485).
- Large selection of control units with temperature, temperature difference, air velocity or humidity sensors, suitable for every requirement.
- Flexible operation with single-phase AC 230 V~50 Hz or three-phase AC 415 V~50 Hz..
- With IP65 protection and a motor that can withstand ambient temperatures from -20° C to +50° C, the Nordik HVLS SuperBlade can even be used in dusty and wet environments without any problems.

Winter function

Warm air has a lower specific weight than cold air. For this reason, heated air always collects under the hall ceiling, while cold air sinks to the floor.

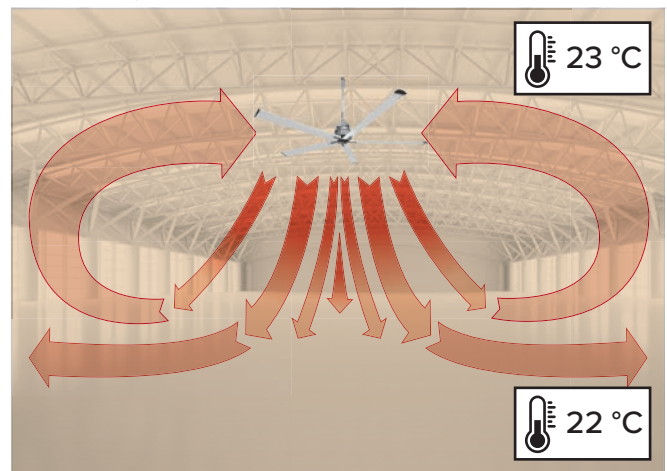
The Nordik SuperBlade HVLS fans bring this otherwise lost heat draught-free to where it is needed: to the occupied area on the floor. The lower temperature at the ceiling reduces transmission losses. The heat is distributed more quickly and evenly throughout the hall. This can save up to 30% of heating costs.



Without Nordik SuperBlade HVLS Ventilatoren:

The heated air rises upwards under the hall ceiling and collects there, while the cold air sinks downwards. A lot of heating energy and costs have to be applied to bring the temperature on the floor to the desired level.

In the winter function (destratification), slowly running Nordik SuperBlade HVLS fans bring the warm air accumulated under the ceiling to where it is needed: downwards, back into the occupied area. It is important that the air speed there is not too high, otherwise the pleasant effect of the „warm air shower“ can quickly turn into the opposite and be perceived as a draught. The entire occupied area quickly becomes evenly warm, preheating times are reduced and cold and damp areas are avoided. In combination with a control system with floor and ceiling sensors, the temperature difference between ceiling and floor is permanently determined and the speed of the fans is controlled accordingly. In addition, they only run when the temperature difference between ceiling and floor is above the set threshold.



With Nordik SuperBlade HVLS Ventilatoren:

The warm air accumulated under the ceiling is led down slowly and draught-free. The temperature in the hall is balanced. Without additional heating costs, the temperature on the floor is increased.



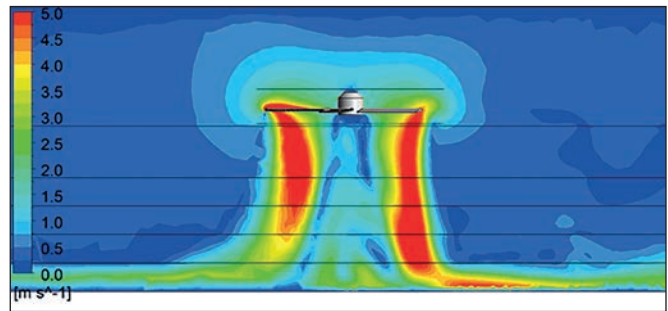
Summer function

High temperatures and humidity worsen the working environment and have been shown to reduce employee efficiency. Concentration and productivity decrease with increasing temperature and humidity.

Air conditioning systems to reduce room temperature are expensive to purchase, installation and maintain in commercial and industrial settings due to the large volume of space involved.

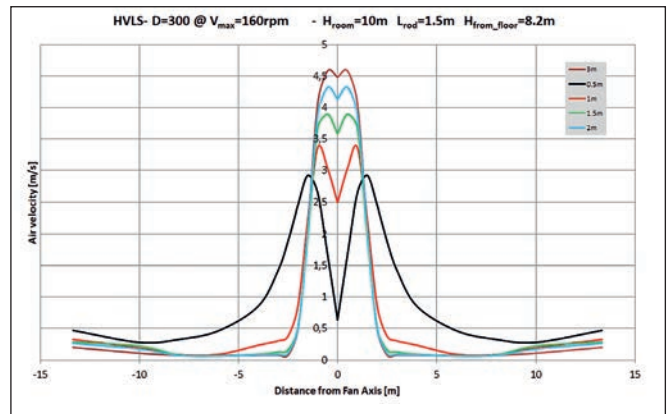
Higher air velocities are required for the summer function than in winter. The effect of adiabatic cooling lowers the surface temperature by evaporating moisture on the skin and extracts heat from the body. This reduces the „felt“ temperature for people in a warm room by up to 6° C, depending on the air humidity and speed. Depending on the temperature and humidity, the cooling effect starts at an air speed of about 0.5 m/s, depending on the activity. Unlike in many tropical countries and in the south of the USA, the air speed in our temperate central European latitudes should not exceed 1.3 m/s at shoulder height in order to exclude a negative influence on the health of employees. The setting of the actual air speed in operation should always be made according to the personal feeling of the employees.

The Nordik SuperBlade fans generate a uniform vertical air flow under the radius of the blades, which is deflected into a horizontal flow to the outside until it then flows back over the fan.



The simulation of a Nordik Superblade HVLS 300:

The air flows vertically downwards and then flows off vertically to the side. Depending on the desired air speed, the size and number of fans are selected.



Drying:

Unwanted moisture damages the health of employees, the building fabric and, last but not least, stored products and equipment. The example of breweries shows that bacterial and mould growth can become problematic during storage lasting several weeks until bottling. Due to the low temperatures during storage, a lot of condensate collects on the storage vessels, the pipes and the cold walls. The usual steam cleaning and introduction of warmer outside air introduces even more moisture, further fuelling the growth of bacteria and mould.

A permanent, uniform air movement generated by Nordik SuperBlade HVLS fans ensures optimal process conditions and reduces condensation and prevents the formation of mould. In combination with air dehumidification systems, this creates optimal process conditions, shortens cleaning times and extends cleaning intervals.

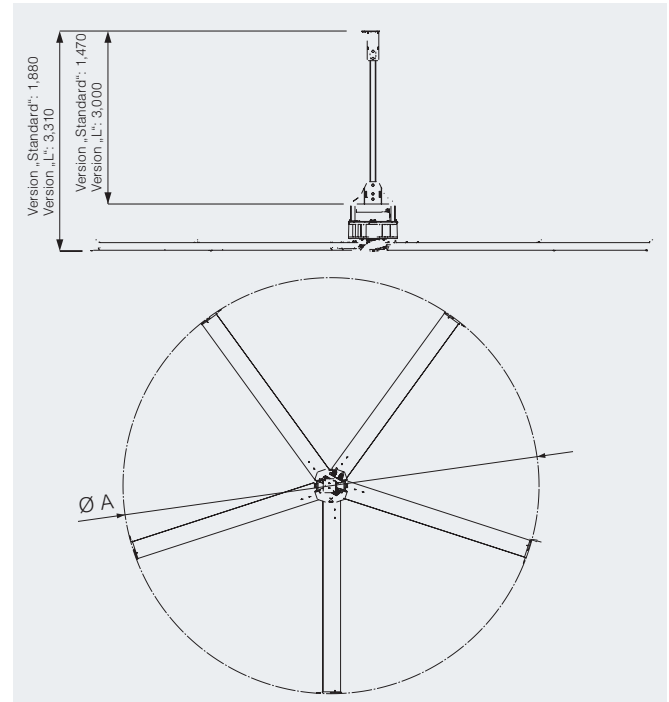
Technical Details

Nordik SuperBlade	Airflow (m ³ /h)	Power max. (kW)	Current max. (A)	Size (m)	Min. Speed (rpm)	Max. Speed (rpm)	Sound pressure dB(A) (LP -3m)	Min. distance Blade - Floor (m)	Sugg. distance between 2 fans Axis - Axis (m)	Weight (kg)
300/120" E	280,000	0.725	2.17	3	6	150	< 42.5	3.0	9	85/95
400/160" E	330,000	0.370	2.31	4	6	80	< 37.5	3.2	12	91/101
500/200"	530,000	0.650	1.67	5	10	80	< 27.5	3.6	15	128/137
600/240"	600,000	1.100	2.69	6	10	65	< 27.5	4.0	18	136/145
700/280"	650,000	0.525	1.35	7	5	38	< 27.5	4.8	21	144/153
700/280" S	850,000	0.900	1.65	7	5	50	< 27.5	4.8	21	155/164

Planning principles:

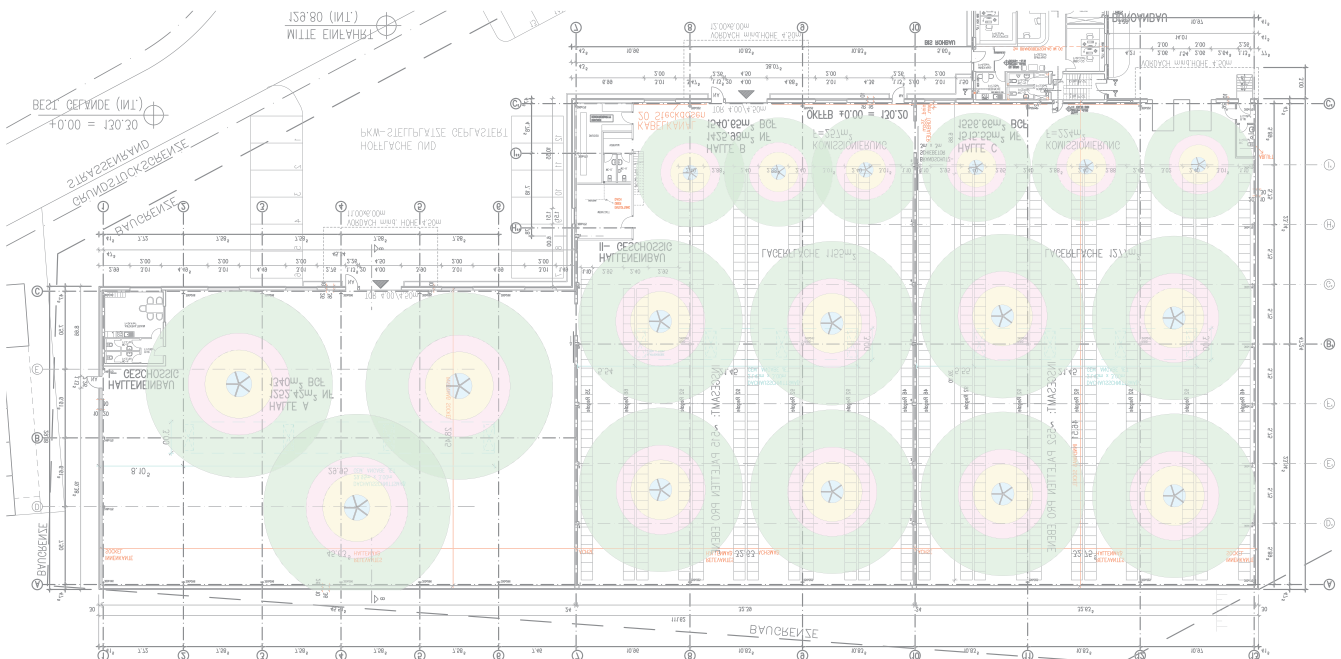
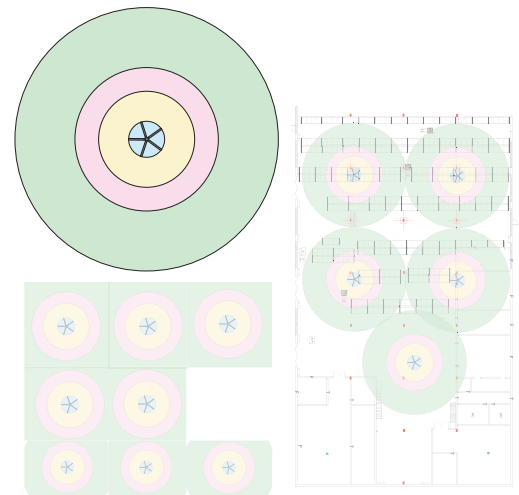
- The larger the diameter, the more air the Nordik SuperBlade HVLS fans move.
- As the diameter increases, the effective area in the occupied zone on the floor increases at the same speed.
- The higher the speed of the Nordik SuperBlade HVLS fans, the higher the air flow rate.
- Nordik SuperBlade HVLS fans with a large diameter ideally cover large areas in halls. Smaller units cover gaps in between or are used in smaller hall areas.
- Outside the blade radius, the vertical air movement changes to a horizontal air movement. Transverse air flows are obstructed by fixtures such as partition walls, high racking and high machinery. These create turbulence that can affect the reach and effective area of Nordik SuperBlade HVLS fans.
- There should be a free area above and to the side of the fan without additional fixtures so that the air flowing in is not obstructed.

Dimensions (mm)









In the table below you will find the recommended area specification per size depending on the desired application.

Product	Code No. Version Standard	Code No. Version L	Ø A (mm)	Hard physical work		light physical work		Winter function/Destratifikation	
				Ø m	m ²	Ø m	m ²	Ø m	m ²
SUPERBLADE 300/120° E	61086	61087	3,000	4.1	14	5	20	33	854
SUPERBLADE 400/160° E	61096	61097	4,000	7.2	41	9	63	39	1,193
SUPERBLADE 500/200°	61082	61092	5,000	12.3	119	23	415	42	1,384
SUPERBLADE 600/240°	61083	61093	6,000	16.8	222	30	706	45	1,599
SUPERBLADE 700/280°	61084	61094	7,000	20.9	343	34	907	48	1,808
SUPERBLADE 700/280° S	61076	61077	7,000	22.6	400	38	1,133	51	2,041



Accessories Nordik SuperBlade HVLS

Product	Code No.	Description	Product	Code No.	Description
	Vort T 21137	Control unit for up to 10 Nordik SuperBlade HVLS depending on temperature or air speed. Can be controlled via Modbus.		WP 21197	Optional anemometer for Vort T to control the Nordik SuperBlade HVLS depending on the air velocity.
	TDA Control 983009	Temperature difference control with 0-10V interface for fully automatic control of the Nordik SuperBlade HVLS in Winter. Switchable for manual control in summer. Including floor and ceiling sensor.		NHVLS-RD 21615	Suspension tie rod kit for Nordik Superblade HVLS version „Standard“.
	POT 12828	Manual control for up to 10 Nordik Super-Blade. Both surface and flush mounting possible.		NHVLS-RD-L 21136	Suspension tie rod kit for Nordik Superblade HVLS version „L“.
				USB C 21198	Modbus-USB converter for controlling the Nordik SuperBlade HVLS via PC in connection with the Vort T control unit.



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v6.4

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