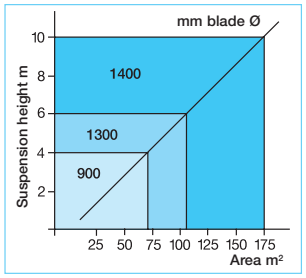
Ceiling fan

For cooling in summer, for energy saving in winter.
For versatile use e.g. to move air for cooling or energy saving in mid size to large rooms as well as reception and waiting halls, restaurants, disco's, boutiques, wholesale retail outlets, assembly plants, warehouses, tennis and sport halls as well as for industrial drying applications.

Traditionally ceiling fans are used during summer for cooling. Where there are rooms without windows and high heat emission of lamps, ceiling fans solve ventilation problems in many areas. Decorative replicas in "Casablanca" design make Helios ceiling fans an attractive addition to any room.

During the heating period, ceiling fans can be used for energy saving by returning the hot air at the top of the room to the occupied space. In high rooms like sport halls, tennis halls and other industrial halls, slow spinning ceiling fans provide a draft free equal distribution of warm air within the room. This achieves an increase in temperature at the floor level areas of approx. 25% without any additional heating.
The energy consumption is negligible. Reference projects which have been running for many years achieved an average temperature increase of 4 °C at the floor level.



Important installation information

Safety regulations ask for a minimum distance of 2.3 m from the bottom of the blades to the floor. Fans should be installed so that they do not interfere with other equipment.

Ceiling fans DVW range

Robust metal version in classic design.
- Totally enclosed motor, maintenance free and interference-free.
- Resilient mounting ensures low vibration.
- Simple installation, pre-assembled motor and fixings. Only blades need to be fixed.
- Variable suspension height through delivery of long and short pendant tube.
- Speed controllable via 5 speed transformer TSW 0.3 (accessory).
- Reversible air flow direction. Air flow direction to floor or to ceiling by wiring connection or through reversing switch (accessory DSEL 2). In case of reverse operation (upward air flow direction), minimum starting voltage of 100 V required.

Accessories for DVW and DVA

Speed controller
Type TSW 0,3 Ref. no. 3608
Five step transformer with on/off function for surface installation.

Energy saving automatic controller
Type EDTW Ref. no. 1613
Varies fan speed automatically in accordance to the temperature difference between high level and low level sensor. Specially for operation in winter for energy saving.

Ceiling fans DVA range

In typical "Casablanca" design for installation in more decorative areas.
- Casing made from brass, finished in antique brown or white. Five wooden blades with a wicker finished in nut brown or white. Maintenance free, long life, slot-vented motor with ball bearings for permanent operation.
- Resilient mounting ensures low vibration.
- Simple installation directly to ceiling or on short pendant tube (part of delivery).
- Pull cord for three speed on on/off operation. Suitable for connection to remote speed controllers (accessory).

Fan selection

Impeller diameter, position and mounting height are important parameters during design to allow equal coverage of air flow within the room. The room height less the down rod equals the mounting height of the fan. In relation to height and impeller diameter the diagram below shows the area covered by each fan in m².
The distance from the fan's centre to the wall should equal approximately 3 times the impeller diameter.
The distance from the fan's centre to the fan's centre (when using several fans) should equal approximately 6 times the impeller diameter.
We recommend operation at high speed during summer (cooling) and at low speed in winter (energy conservation).

Order and technical information

Type	DVW 90	DVW 140	DVAW 130	DVAM 130
Ref. no.	8648	8649	8650	8651
Impeller Ø mm	900	1400	1300	1300
Number of blades	3	3	5	5
Voltage / Frequency	1~, 230 V / 50 Hz	1~, 230 V / 50 Hz	1~, 230 V / 50 Hz	1~, 230 V / 50 Hz
Current A	0.26	0.30	0.29	0.29
Power consumption W	50	75	66	66
Maximum R.P.M. min^{-1}	340	270	220	220
Suspension height min./max. mm	440/565	460/585	220/360/510	220/360/510
Sound pressure level dB(A) in 4 m	35	44	29	29
Weight approx. kg	4.8	6.8	6.7	6.7