

Air Circulation Fans



- Efficient air movement
- Low energy usage
- Low noise
- Long life
- Tried-and-tested technology
- Combinable with fogging system
- Manually and automatically adjustable
- All-in package
- Easy to install



Efficient air fans improve your growing climate

The HortiMaX air flow fans prevent large temperature differences in your greenhouse, improving the efficiency of your heating and CO2 enrichment systems. When combined with a fogging system, these fans are an excellent means of lowering the ambient temperature and raising the humidity level. This not only prevents stress in the crops, but also significantly improves the growing climate.

HortiMaX
growing solutions



Air circulation fans

- *Unique sickle-shaped rotor blades*
- *Metal rotor blades*
- *Balanced rotor blades*
- *Insulation class IP44*
- *Thermal protection*
- *High and low speed model*

High-volume air movement

The unique sickle shape of the rotor blades provides much greater air movement and means only a relatively small speed adjustment is required to increase air displacement. This design has, in fact, proved its effectiveness outside the horticultural industry for many years.

Low Noise

The rotor blades are two-dimensionally dynamically balanced in the factory. This, together with the special design of the rotor blades, ensures stable and vibration free operation across the fans' entire speed range, eliminating annoying noise levels in the greenhouse.

Reliable

Instead of the commonly used plastic rotor blades, HortiMaX has opted for stronger, metal rotor blades. Since these are balanced, it greatly reduces the vibration of the maintenance-free bearings of the rotor and motor shaft, increasing the life and reliability of the fans.

Technical specifications	MRVL	MRVH
Voltage (V)	230	230
Frequency	50	50
Power consumption (kW/h)	0,12	0,16
Current draw (Amp)	0,55	0,73
Max. speed (rev./min)	940	1430
Total weight (kg)	10	10
Diameter (cm)	40	40
Capacity (m ³ /h)	3290	4235
Air throw (m)	± 33	± 42
Noise level at max. speed (dB(A))	59	69
2m connection cable with plug mounting strips and brackets	incl.	incl.
Outlet grille	Optional	Optional
Wall socket	Optional	Optional

High and low speed model

The fans are available in a high and low speed model. The high speed MRVH is generally installed in greenhouses with LVM systems or where an even larger throw is required. The low speed MRVL, however, has an air movement capacity which is more than adequate for most greenhouse applications and produces very little noise.

Speed adjustable

A reliable speed regulator is essential to accurately calibrate the fans. The standard regulator comes with a transformer enabling the speed to be adjusted to no less than five different settings. An electronic speed regulator is also available. This provides continuously variable speed control using a 0-10V input signal. You can also, of course, let your climate computer operate the air circulation fans automatically.

Fogging

The fans can be equipped with a complete, tailor-made fogging system. This consists of a high pressure pump set, stainless steel piping or high pressure tubing, a water storage container, two fine filters and a switch box. Based on the desired capacity, three nozzles are positioned in a row in the middle of the air current providing an optimum distribution of very fine water particles which quickly evaporate.

More information?

For more information, please contact HortiMaX at +31 (0)15 362 03 00 or one of our dealers near you. You can also visit our website at www.hortimax.com