

Hotbox Mistraal

# Air Circulation Fans



## Controlled air circulation in glasshouses and polythene tunnels can:

- Help prevent botrytis and mildew
- Improve heat distribution and CO2 take-up
- Reduce condensation
- Remove temperature gradients

Manufactured from robust stainless steel, there are three Mistraal air circulation fans to choose from. With sealed 'oiled for life' motors to IP34, they are designed for maintenance free, continuous running.

**Mistraal 5:** 900m<sup>3</sup>/h suitable for areas up to 100m<sup>2</sup>

**Mistraal 10:** 1600m<sup>3</sup>/h suitable for areas up to 200m<sup>2</sup>

**Mistraal 24:** 4000m<sup>3</sup>/h suitable for areas up to 500m<sup>2</sup>

## Technical Specifications

	Mistraal 5	Mistral 10	Mistraal 24
<b>Air Movement</b>	900m <sup>3</sup> /h	1600m <sup>3</sup> /h	4000m <sup>3</sup> /h
<b>Voltage</b>	500 cfm	1000 cfm	2400cfm
<b>Current</b>	220/240V	220/240V	220/240V
<b>Watts</b>	0.4amp	0.6amp	0.8amp
<b>Fan Speed</b>	85 W/hr	145 W/hr	190 W/hr
<b>Size (LxW) mm</b>	1275rpm	1300rpm	1400rpm
<b>Weight</b>	6kg	6kg	15kg



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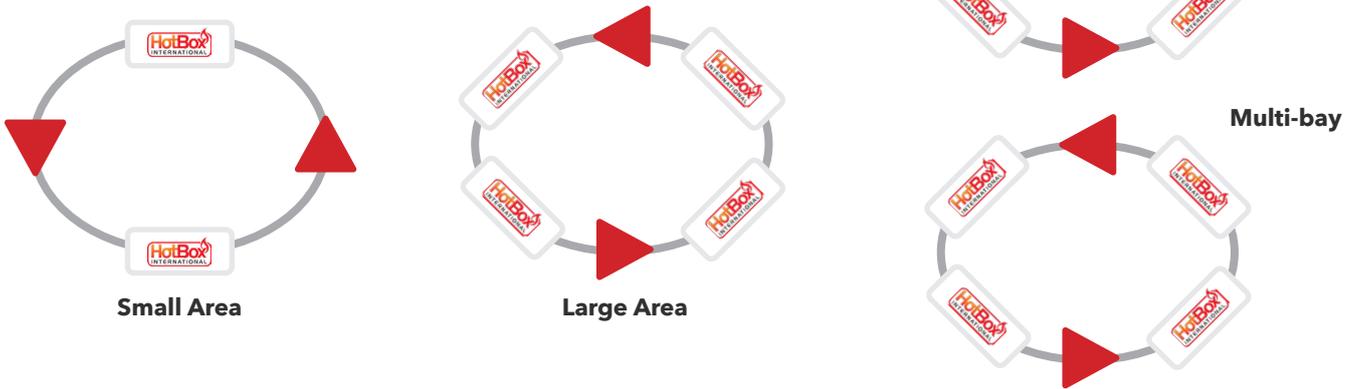
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 @HotboxSales

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## Hotbox Mistraal - Circulation



## Circulation Benefits

Circulation is the key to good air movement in greenhouses. Hang your Mistraal fans so they complete a path of air circulation. Each fan will naturally create an area of high pressure in front of it, and an area of low pressure behind.

The diagram above shows how this effect can be used to create efficient circulation. The air is passed from fan to fan and so on around the greenhouse. The rate of photosynthesis can be increased by air movement. Plants absorb CO<sub>2</sub> through the leaf surface.

Air movement ensures a continuous supply of fresh air to this leaf surface which can increase the photosynthetic rate by up to 23%. Heat distribution will also be improved by good air movement, and fungal diseases such as botrytis can be reduced considerably.

