

Air Circulator Fan EDC 18-24 GHp



Application Benefits

- Reduces heating costs
- Reduces condensation risk on crops
- Optimize temperature and humidity distribution in the greenhouse
- Equalize growing of the crops
- Improves transpiration in crops and reduces diseases

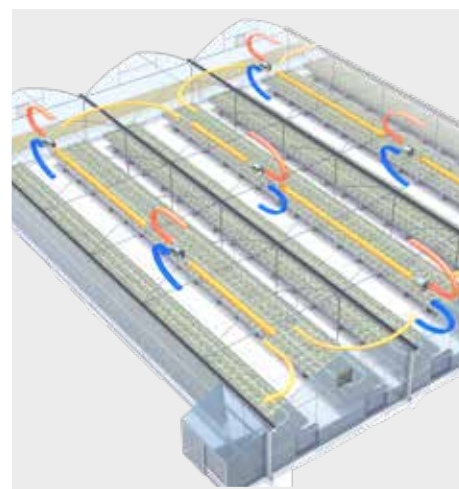
Technical Features

- Improved housing against corrosion, with 3 Years Munters Protect warranty
- 100% quality control on motor
- Improved and optimized shipping

New and Improved air circulator

Munters EDC GHp is an improved type of air circulator that replaces the previous EDC product family. Developed to break up stratified heat, humidity and stagnant air inside the greenhouse, the new EDC ensures stable climate temperature. The compact design reduces the shading on plants, maximizing the light exposure of the crops. The unique propeller design is self-cleaning to reach the highest efficiency when operating and avoid maintenance and cleaning procedure. The entire fan is produced by using steel material.

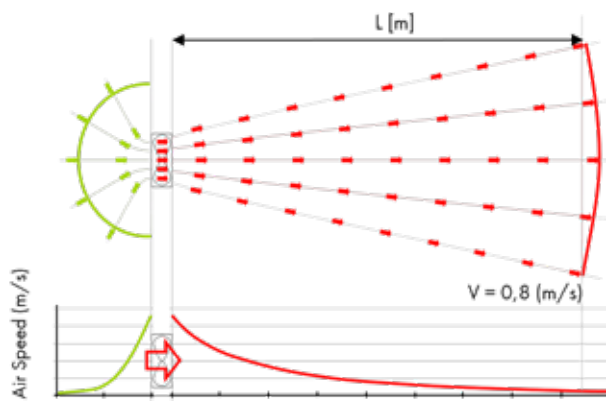
Our special patented coating Munters Protect is an extra protection against corrosion; the 6-blade propeller is statically, dynamically balanced and designed for low noise emission and low vibration. Munters EDC air circulator has been developed by Munters R&D team. The performances have been tested and certified in Munters R&D test chambers, built in according to ANSI/AMCA 210-85 and verified by the BESS Lab at the Agricultural Engineering Department, University of Illinois (USA).



Airthrow Specifications

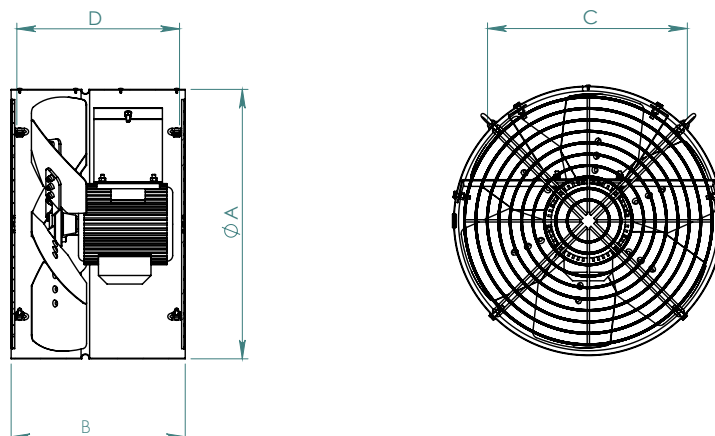
Airthrow specifications		
Circulator	Length L*	Gable Height (GH) range
EDC24GHp	30m	GH > 3,5m
EDC18GHp	25m	GH > 2,5m

*considering a residual airspeed of 0,8 m/s



Air Circulator Fan

EDC 18-24 GHP



Dimensions

Model	A	B	C	D
EDC18 GHP	465mm	305mm	350mm	275mm
EDC24 GHP	620mm	305mm	580mm	275mm

Motor Specifications

Model	Nominal Power		Phases	Speed	Frequency	Voltage	Current	rpm	Poles
	[W]	[hp]							
EDC18 GHP	370	0.5	3	single	50	230/400	2.3/1.3	1400	4
EDC24 GHP	370	0.5	3	single	50	230/400	2.3/1.3	900	6

Technical Specifications

		EDC18 GHP	EDC24 GHP
		0.50 hp	0.50 hp
Weight of fully equipped air circulator*	[kg]	14	20
Nominal propeller speed	[rpm]	1400	900
Airflow at 0 Pa	[m³/h] [cfm]	5260 [3095]	7800 [4590]
Specific performance at 0 Pa	[m³/Wh] [cfm/W]	8.5 [5.0]	17 [10]
Power consumption	[W]	630	480
Electrical current	[A]	1.2	0.97
Propeller diameter	[mm] [inch]	450 [18]	600 [24]
Number of blades	[N]	6	6
IEC protective class of electric motor		IP55	IP55
Electric motor winding insulation grade		F	F
Max noise level at 1,95 m	[dB(A)]	75.5	76.5

Note: airflow data are measured at standard conditions (20°, 1,013 hPa)

Loading Capacity

Container	EDC18 GHP		EDC24 GHP	
	unit/pallet	unit/ctr	unit/pallet	unit/ctr
20'	56	336	42	168
40'	56	672	42	336
40' HC	64	768	48	384