

AIR MIXERS AND DESTRATIFICATION FANS



eliturbo

SYSTEM

**THE ONLY AIR MIXER - DESTRATIFICATION
FAN ABLE TO SIGNIFICANTLY REDUCE
ENERGY COSTS BY EVENLY DISTRIBUTING
AIR AND HUMIDITY IN LARGE VOLUME ENVI-
RONMENTS SUCH AS IN INDUSTRY, SPORT,
AGRICULTURE AND ZOOTECHNICS**



HEALTH



GREEN



MADE IN ITALY



INTERTEK
CERTIFIED
MODEL 2002



EUROPEAN
CERTIFICATIONS

OPERATION

ELITURBO® make use of a special helicentrifugal impeller **PATENTED BY IMPRESIND** that generates the complete air mixing in the environment, without creating annoying draughts.

Differently from the traditional air mixers / destratification fans, **ELITURBO®** does not direct air flows downward and in concentrated areas, but it distributes the air in a radial and uniform way, with an air flow almost imperceptible, in accordance with safety and environmental hygiene norms.

The natural hot air stratification phenomenon occurs in all large volume environments, and it causes difficulties in heating the work areas and energy waste because of the heat dispersion towards the outside.

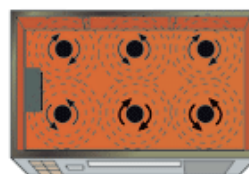
An ELITURBO® air mixer system prevents hot air upward stratification, reduces the energy consumptions and improves the environmental comfort.



With ELITURBO® the warm air does not rise up to the ceiling but it is spread downwards



Without ELITURBO® the warm air rises and accumulate upwards



With ELITURBO® the warm air is evenly distributed throughout the room



Without ELITURBO® the warm air is not evenly distributed and dead-spots are likely

APPLICATION FIELDS

INDUSTRY

ELITURBO® prevents hot air stratification upward, improves quality and well-being of the working environment and generates high energy savings.

SPORT FACILITIES

ELITURBO® prevents condensation on surfaces and reduces the energy bill.

MUSEUMS AND WORSHIP PLACES

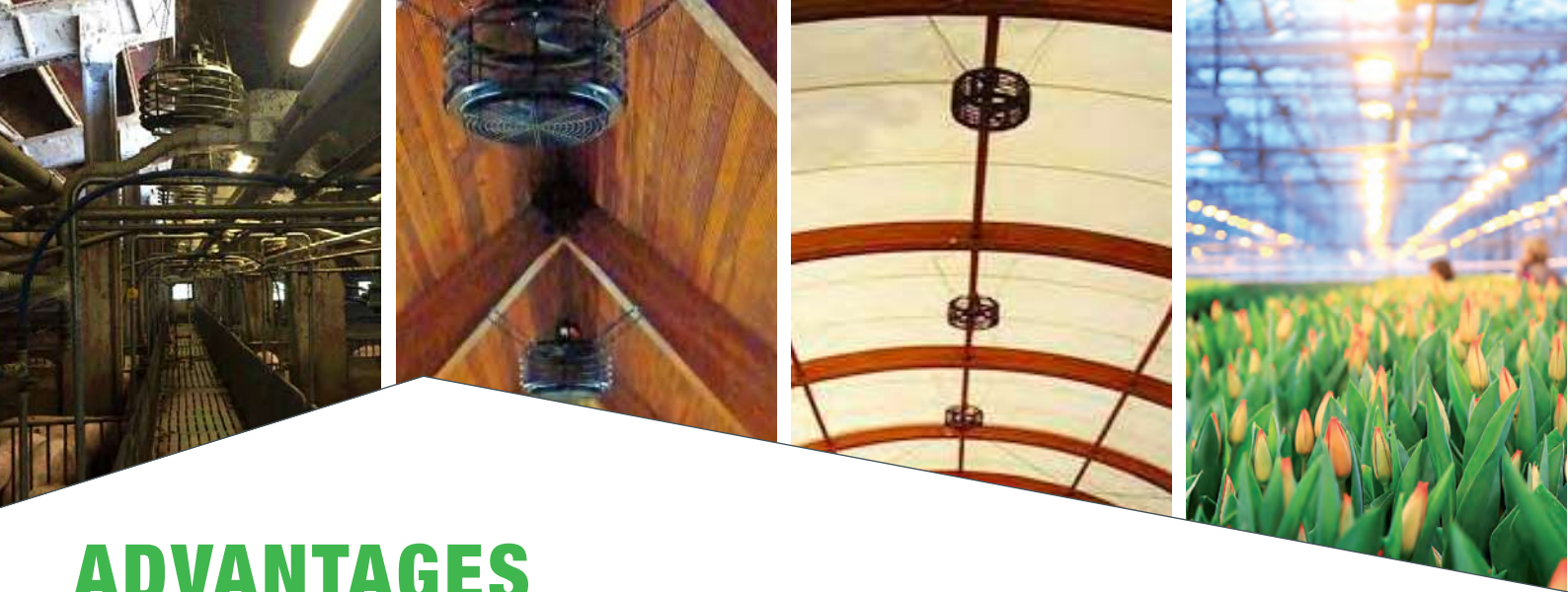
ELITURBO® favors the air circulation and prevents the formation of condensation and mold on frescos and artworks.

ZOOTECHNICS

ELITURBO® favors the air circulation inside the barns, the evacuation of stale air and reduces the concentration of noxious vapors.

GREENHOUSES

ELITURBO® evenly distributes the air and humidity, and reduces the condensation and dripping.



ADVANTAGES

The exclusive air mixing generated by **ELITURBO®** improves the environment conditions even during the summer season when, due to high temperature and high percentage of relative humidity, an intolerable micro-climate to people and structures is generated.

ELITURBO® air mixer improves a constant air exchange through windows and other openings, keeping a continuous and pleasant ventilation inside the environment.



Large air circulation granted by the special patented impeller



No annoying air drafts and almost imperceptible ventilation at the person level



Air is circulated and spread inside the environment without the need of air ducts



Reduction of air stratification with consequent energy savings for heating up to 50%



Even temperature and humidity inside the room, both vertically and horizontally



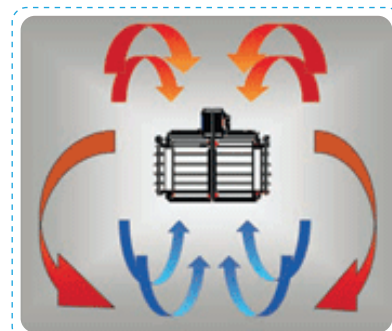
Preassembled for easy installation



Reduction of the noxious vapors concentrations and better breathing for operators and animals



General well-being improvement for operators thanks to a better microclimate and to odor elimination



TECHNICAL CHARACTERISTICS

ELITURBO E.L.C. SERIES		Mod. 2000	Mod. 2002
Fan type		Ceiling type air mixer	
Impeller version / Nr. of blades		M / 2	M / 4
External finishing		epoxy powder paint	
Colour		BLACK or WHITE	

TECHNICAL DATA

Power supply ⁽¹⁾	V/Hz	230V-1/50Hz 400V-3/50Hz 220-240V-1/60Hz 120V-1/60Hz ⁽²⁾	
Absorbed power (operation)	W	220	310
Absorbed power (stand by)	W	N/D	N/D
Total air flow ⁽³⁾	m3/h	7500	10000
	cfm	4415	5886
Air moved efficiency	m3/min/W	0,37	0,35
	cfm/W	0,050	0,051
Motor protection class	IP	55	55
Motor rotation speed	RPM	700	700
Sound pressure ⁽⁴⁾	Db (A)	62,5	64,1

DIMENSIONS AND WEIGHT

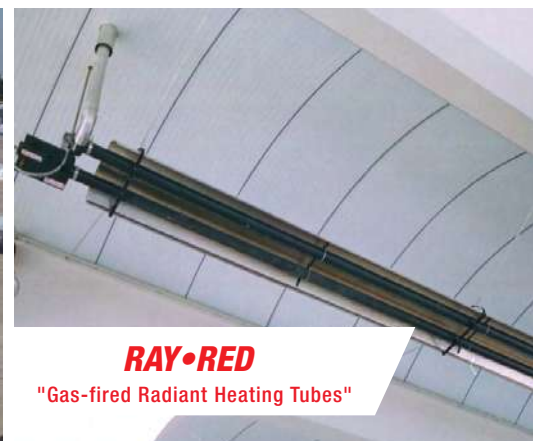
Diameter	mm	680	680
Height	mm	560	560
Weight	Kg	16	18
Diameter	in	27	27
Height	in	24	24
Weight	lbs	36	40

Notes:

(1) Before ordering, check correspondence between Model and Power supply, (2) Other available upon request, (3) Treated air + induced air, (4) Measured in open field at 15 ft distance, - N/D Not detected

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OTHER SOLUTIONS BY IMPRESIND



Via Primo Maggio, 24 - 20064 Gorgonzola (MI) – ITALY - +39 02.9574.1932 - info@impresind.com

WWW.IMPRESIND.COM