

Arianne 1 and 2

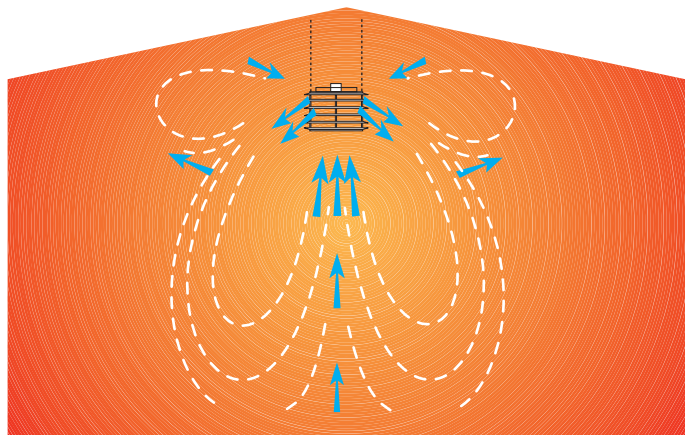
These air mixers have been designed to make temperature and humidity uniform over large areas and to reduce the energy required to heat them. **Arianne's** special helicentrifugal impellers thoroughly mix the air layers thanks to an upward air intake and radial distribution system that immediately restores thermal equilibrium in the area. **Arianne** uses the same operating principle to solve problems due to summer weather - when high temperatures, high relative humidity and poor ventilation make the conditions unbearable for both people and the facilities. An unquestionable advantage of the **Arianne** units is that they cover extremely large areas (even larger than 200 sqm) treating enormous volumes of air, and yet do not give rise to the unhealthy drafts commonly caused by traditional blade-operated vertical projection methods. In industrial buildings, churches, swimming pools, etc. these units reduce heat dispersion typical of large areas, thus improving the overall efficiency of the heating system and reducing energy consumption. They are effective even in areas that are 18 metres high. **Arianne** units make heat uniform over the entire area without creating any unhealthy drafts.



Installation is very easy. Mixers are fixed to the ceiling and connected to the power supply.

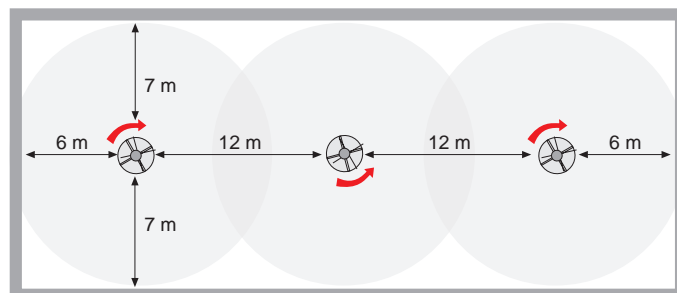
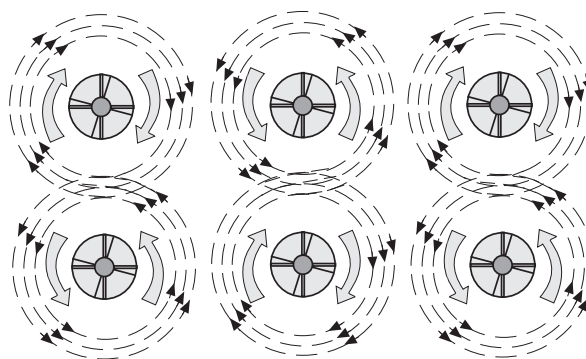
Models

Arianne 1	code 39500000	520,00
Arianne 2	code 39600000	550,00

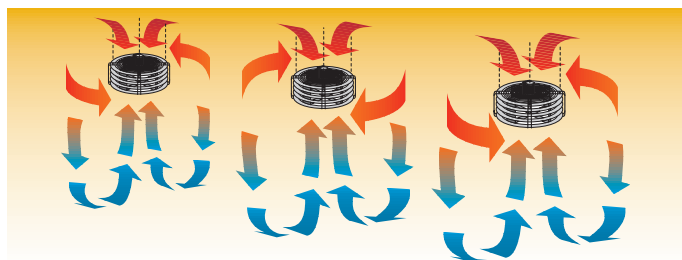


Arianne uses a special helicentrifugal impeller to produce an innovative draft - the "convergent-divergent" system. Air is simultaneously taken up from the bottom (coolest air) and the top (hottest air), mixed inside the impeller and expelled radially through the circular deflectors. This function constantly mixes the layers of air, blending and balancing out temperature, humidity and pressure values without causing unhealthy drafts that could affect people.

If several units are to be installed, the directions of rotation should be alternated in order to blend air more efficiently.



The Figure shows an example of installation of 3 Arianne 1 units (radius of operation = 7 m) in a building that is 14 x 36 metres. The destratifiers are installed in such a way that the radius of operation covers the entire surface of the building with alternating directions of rotation.



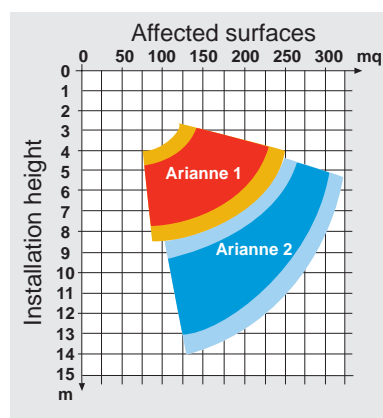
The following are some of the advantages of using **Arianne** units during the summer:

- Uniform and thorough ventilation of the area
- Exchange activation and outside air renewal
- Reduction in odour and fume concentration
- Reduction in the percentage of relative humidity

Arianne units bring down the thermal gradient and therefore reduce both heat dispersion from the building and its heat demand. The economic advantage comes from smaller fuel consumption and lower management and maintenance costs for the heating system. As a matter of fact, the heating system is not continuously in full operation and its life will be longer.

Better living conditions can translate into an economic advantage too. People living in a warmer and uniformly heated environment work in better conditions.

And lower relative humidity can improve the preservation of equipment, machinery, materials, as well as the building's structures themselves.



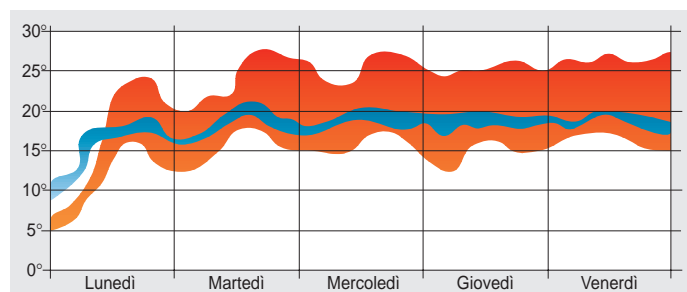
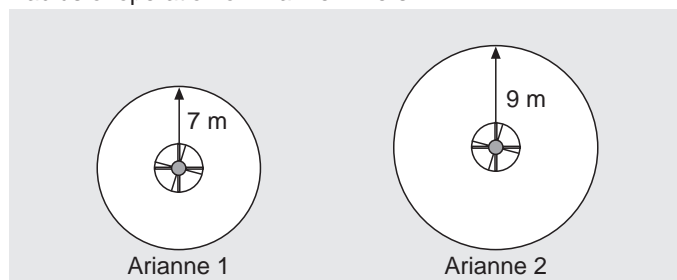
limit area Arianne 1

affected area Arianne 1

limit area Arianne 2

affected area Arianne 2

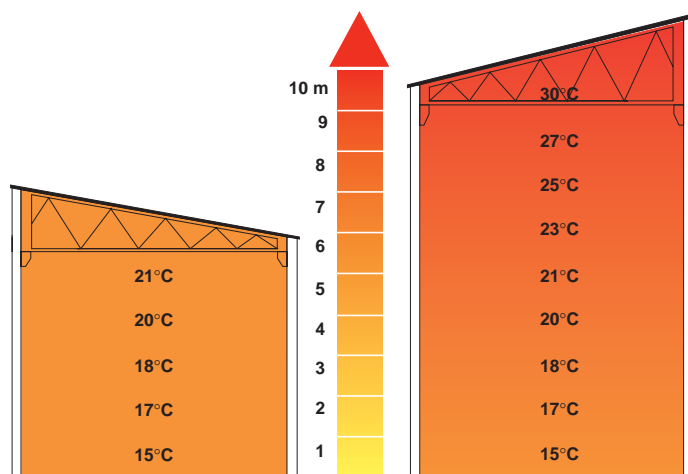
Radius of operation of Arianne mixers



Δt° taken between 1,5 m. and 9,5 m. from the floor in an industrial area with heating system on.

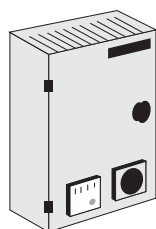
with Arianne

without Arianne



Thermal stratigraphy in heated areas

Accessories



4 speed electrical control panels

single-phase

up to 2 units cod. 39600005

439,00

up to 6 units cod. 39600006

672,00

three-phase

up to 2 units cod. 39600007

682,00

up to 4 units cod. 39600008

796,00

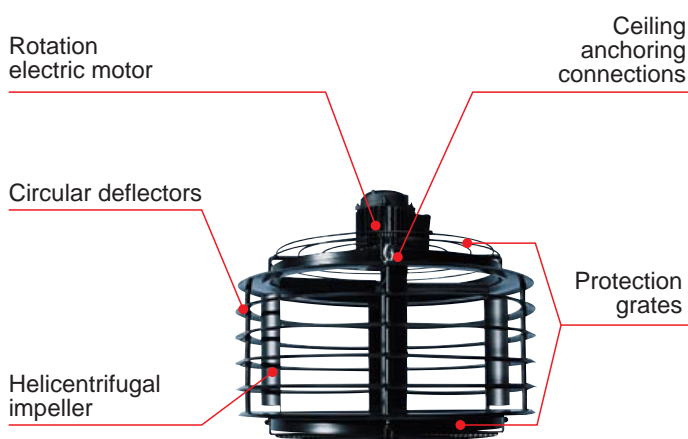
up to 6 units cod. 39600009

1.023,00

single-phase adapter kit

cod. 30333206

37,00



Description		Arianne 1	Arianne 2
Dimensions	Ø mm	680	680
	height mm	500	500
Weight	Kg	16	18
Average coverage	m ²	200	250
Noise level	dB(A)	30	30
Absorbed power	W	150	220
Air flow	m ³ /h	7.500	10.000
Speed	rpm	400	700
Motors		three-phase single-phase	
Alimentazione	V	230 - 400	
Colour		black	
Painting		epoxy powder	
Tin protection degree		IP 44	