

Whirly300 WHIRLY Series



**NEW
Stainless
Steel**

■ Features

The Whirly reduces summer temperatures inside the building by helping ceiling insulation to work more effectively. Because it is powered by the wind, it is very cost effective and therefore saves energy in summer. In winter it reduces condensation in roof spaces.

The Whirly helps extract fumes and also protects paint and insulation.

■ Construction

The Whirly is an Stainless Steel construction turning on ball bearings with a turbine ventilator. With the base included it can adjusted to 45° pitch. The 21 aerofoil blades are shaped to prevent rain and dust from penetrating the unit. It is tested to withstand hurricane-force winds and temperatures up to 80°C.

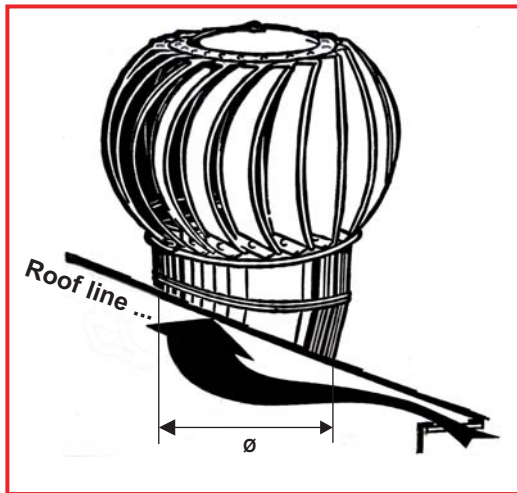
The Whirly is resistant to rust and corrosion and the bearings are lubricated with heat-resistant grease and permanently sealed.



Homes



Factory



■ Dimensions(mm)

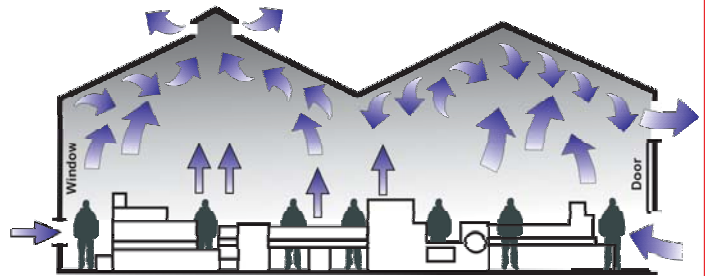
Model	Ø
Whirly300	300

■ Technical data

Model	m ³ /h
Whirly300	922

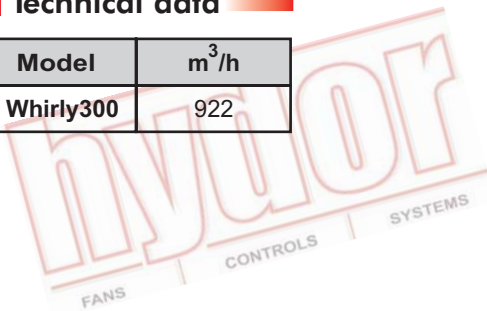
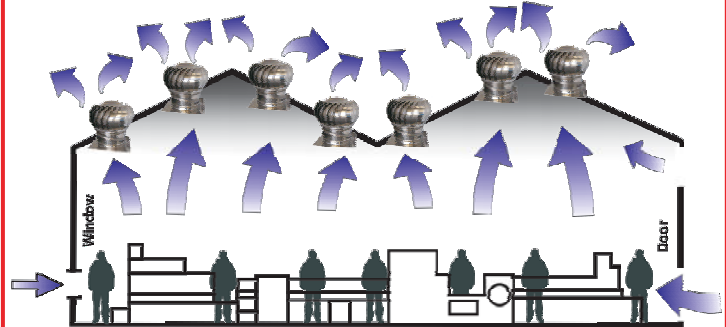
Without the Whirly

Accumulation of hot air as it moves through the ridge.



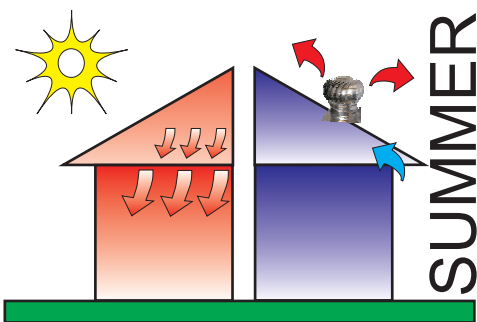
With the Whirly

Dynamic ventilation through rotation of turbine.

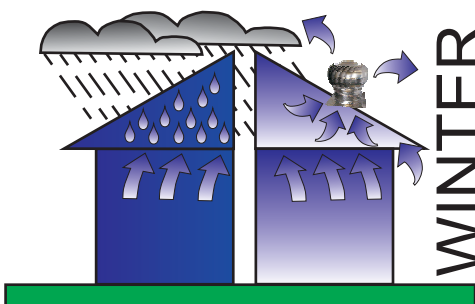


Whirly300 WHIRLY Series

PEOPLE COOLERS



SUMMER



WINTER

Wind Scale	Wind Speed (m/s)	Wind Pressure (kg/m ²)
0	0-0.2	C
1	0.3-1.5	<1
2	1.6-3.3	1
3	3.4-5.4	1-3
4	5.5-7.9	3-7
5	8.0-10.7	7-14
6	10.8-13.8	14-23
7	13.9-17.1	23-35
8	17.2-20.7	35-52
9	20.8-24.4	52-72
10	24.5-28.4	72-97
11	28.5-32.6	97-128
12	32.7-36.9	128-164
13	37.0-41.4	164-206
14	41.5-46.1	206-256
15	46.2-50.9	256-312
16	51.0-56.0	312-377
17	56.1-61.2	377-449
18	>61.2	>449

Buildings	Times/hr
Machinery	4-15
Forming	10-30
Foundry	10-30
Electroplate	12-20
Glass	20-40
Drying	10-20
Food	3-8
Wood	3-8
Paper	8-15
Textile	3-7
Dyeing	10-40
Repairing	10-20
Washing	10-30
Electricity	10-30
Boiler	15-30
Lab	6-15
Pump	5-10
Library	6-10
Church	6-10
Classroom	3-8
Storehouse	3-6
Carport	4-10
Sickroom	2-4
Kitchen	7-15
Restroom	10
Reception	4-12
Toilet	5-10
WC	4-15
Smoking room	5-15
Restaurant	6-12
House room	5-10
Office	2-5
Sterilizedroom	8-15

Wind Speed(km/h)		3.2			6.4			8			9.6			12.8			16				
Temp Difference		5	10	15	5	10	15	5	10	15	5	10	15	5	10	15	5	10	15		
Model	Outer mm	Neck mm	House Height m	Air Discharge/hour (cbm/h)																	
Whirly 300	420	300	3	298	362	405	453	501	560	546	611	654	627	691	735	808	873	916	993	1057	1100
			6	350	433	495	506	589	651	599	682	744	680	763	824	861	945	1006	1046	1129	1173
			9	396	495	573	552	651	728	644	744	821	725	724	902	907	1006	1084	1092	1191	1268
			12	433	548	635	589	703	793	682	796	886	763	878	967	945	1059	1149	1129	1244	1333