

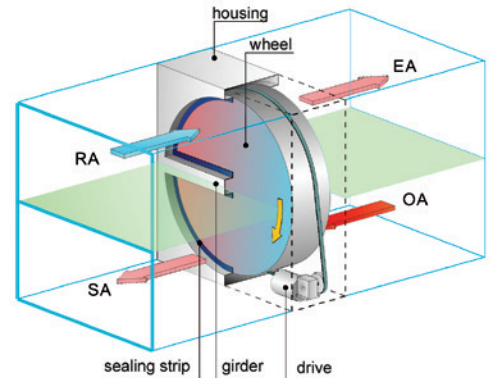
# Rotary Heat Exchanger

## Working Principle

Rotary heat exchanger is composed of alveolate heat wheel, case, drive system and sealing parts. The exhaust and outdoor air pass through half of the wheel separately, when the wheel rotates, the heat and moisture are exchanged between the exhaust and outdoor air. The energy recovery efficiency is up to 70% to 90%.

## Main Features

- 3A molecular sieve coating of hygroscopic wheel selectively absorbs moisture and expels odors
- Interior spokes are used to mechanically bond the rotor's laminations.
- Double sealing system
- Double purge sector
- Self cleaning
- life-time-lubricated bearing of easy maintenance



## Specifications

Model HRT(S)-	Width A(mm)	Height B(mm)	Depth C(mm)	Diameter D(mm)	Motor Power (kw)	Weight (kg) Up-down type /Right-left type	Rotor cut	Casing construction	Diagram
500	600	600	340	530	0.09	42	One piece	Casing A, plate structure, made of aluzinc, one-piece	
600	700	700	340	630	0.09	59			
700	800	800	340	730	0.09	71			
800	900	900	340	830	0.09	82			
900	1030	1030	340	930	0.09	102			
1000	1130	1130	340	1030	0.09	130			
1100	1230	1230	340	1130	0.09	151			
1200	1330	1330	340	1230	0.18	169			
1300	1430	1430	340	1330	0.18	190			
1400	1530	1530	340	1430	0.18	205			
1500	1630	1630	340	1530	0.18	212/220			
1600	1730	1730	340	1630	0.18	230/239			
1700	1830	1830	340	1730	0.25	256/266			
1800	1930	1930	340	1830	0.25	283/293			
1900	2030	2030	340	1930	0.25	301/320			
2000	2130	2130	340	2030	0.25	358/370			
2200	2400	2400	400	2230	0.37	420	4 segments, Site assembly	Casing D Frame structure, made of aluminum profiles with aluzinc plates, in two sections, site assembly	
2400	2600	2600	400	2430	0.37	500			
2600	2800	2800	400	2630	0.37	570	8/16/24 segments, Site assembly	Casing E / F Frame structure, made of aluminum profiles with aluzinc plates, Casing E is parts delivery and site assembly; Casing F is complete delivery	
2800	3000	3000	400	2830	0.37	860			
3000	3200	3200	430	3030	0.55	950			
3200	3400	3400	430	3230	0.55	1039			
3400	3600	3600	430	3430	0.55	1110			
3600	3800	3800	430	3630	0.55	1220			
3800	4000	4000	430	3830	0.55	1360			
4000	4200	4200	430	4030	0.75	1500			
4200	4400	4400	430	4230	0.75	1645			
4400	4600	4600	430	4430	0.75	1750			
4600	4800	4800	430	4630	1.1	1830			
4800	5000	5000	430	4830	1.1	1980			
5000	5200	5200	430	5030	1.1	2100			

\* Model HRT-xxx stands for hygroscopic wheel, model HRS-xxx stands for sensible heat wheel.