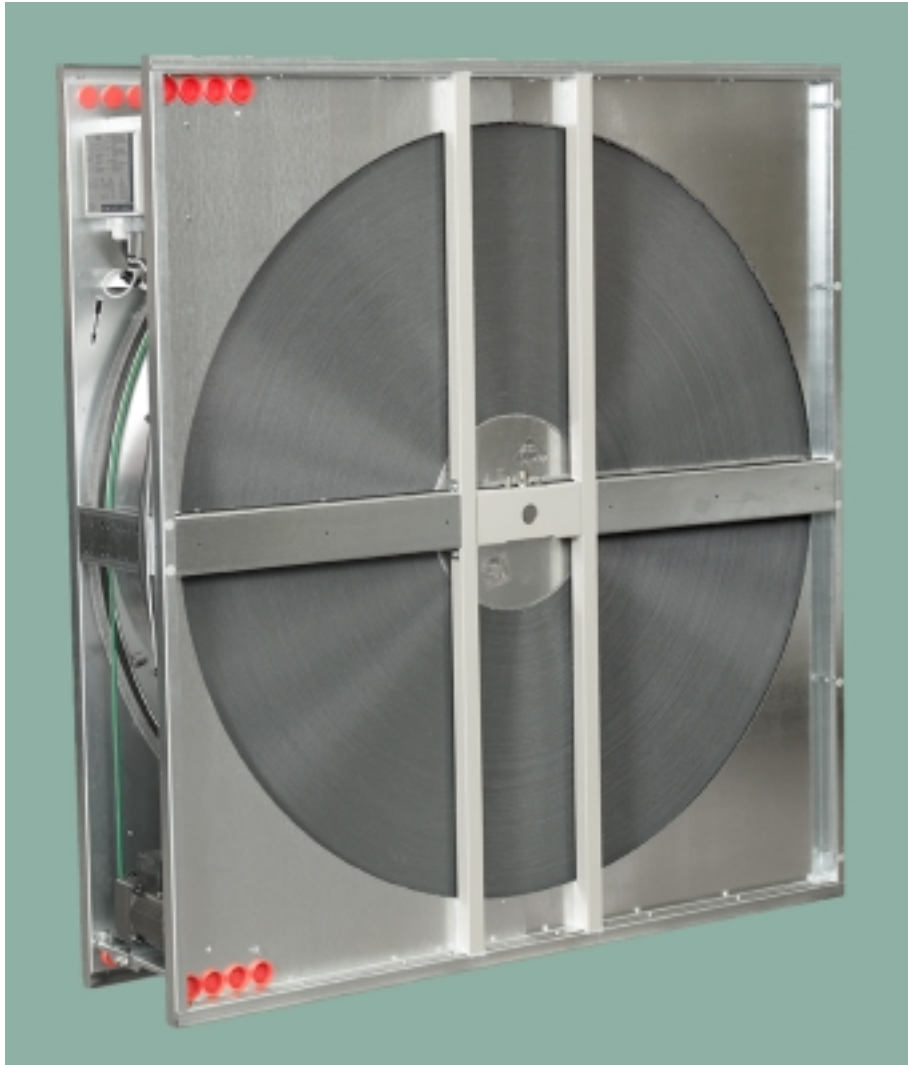


ECONOVENT®

*The slide-in energy recovery rotary
heat exchanger*



*The ECONOVENT® rotor cassette for all
Air Handling Units*

FläktWoods

ECONOVENT®

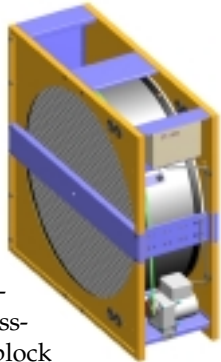
ECONOVENT®

- is marketing leader within the OEM market for rotors with optimal heat, - humidity and recovery of air.
- is the original rotary heat exchanger since 1956 and its characteristics is known as high recovery efficiency, low pressure drop, reliable technical datas and best operation features.
- completes now its broad family range by a robust rotorcassette for the OEM market.
- the cassette is available within rotorsizes 300-2400 mm.

Rotorsizes 300-1090 mm

Design

- casing self-carrying in galv.sheet steel
- optimal rotordiameter by every cm
- flexible outside casing dim for optimal built-in rotorcassette into the AHU block
- smooth outside casing - no outstick
- fitted with cable bushings
- with constant or variable drive speed.
- equipped with purging sector
- test-run before delivery from factory

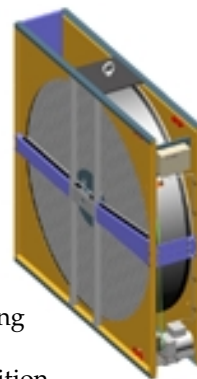


The rotorcassette has from rotorsize 1100 mm a welded robust framework with easy adjustment of rotor angle which gives safe operation with lowest air leakage. The cassette is made for one-piece rotors and for horizontal airflow. The rotorcassette may be ordered either with constant or variable drive system.

Rotorsizes 1100-2400 mm

Design

- with welded robust framework
- galv. sheet steel as standard
- flexible outside casing dim for optimal built-in rotorcassette into the AHU block
- smooth outside casing no outstick
- adjustable rotor position
- fitted with cable bushings
- with constant or variable drive speed
- equipped with purging sector
- test-run before delivery from factory
- lifting device available as accessory



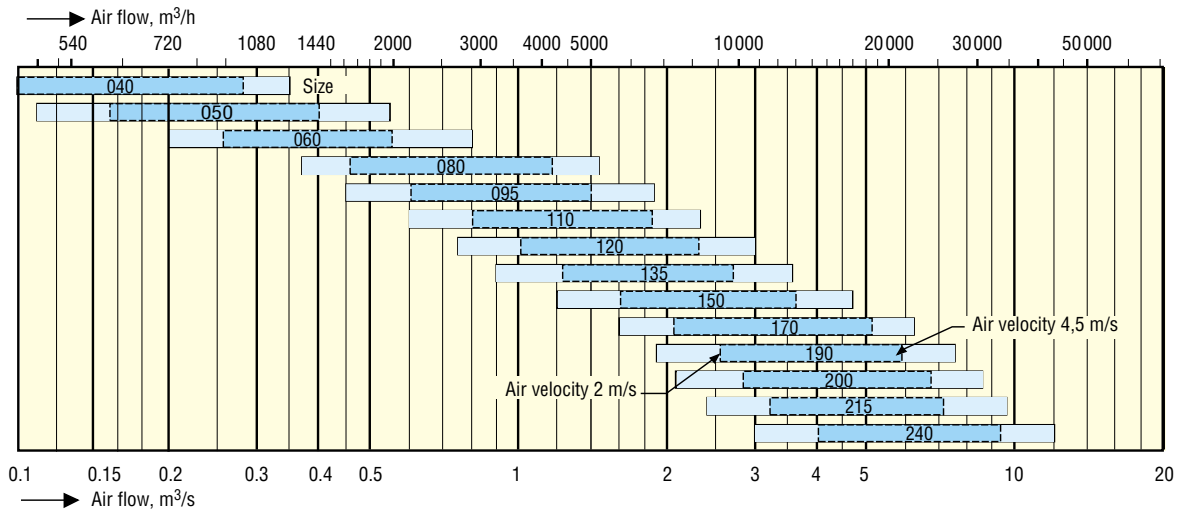
Possible rotors in one-piece aluminium design

	Delivery	Design/Performance	
	Material	Budget	Standard
Heat recovery - not hygroscopic	Aluminium	x	x
Heat and humidity recovery - hygroscopic	Aluminium	x	x
Industry epoxy design - not hygroscopic	Epoxyband	x	x
Corrosive air - edge-reinforced rotor	Aluminium	x	x
Marine type for ships - heat/cooling	Aluminium	x	x
Tropical cooling - amplified hygroscopy	Aluminium		x

Budget design recovers 65% heat, while standard performance gives 75% heat recovery at 3.0 m/s air velocity.

General survey PUMK with rotorsizes

Airflow ranges with min - max rates



The diagramme shows standard rotor sizes for the cassette unit.

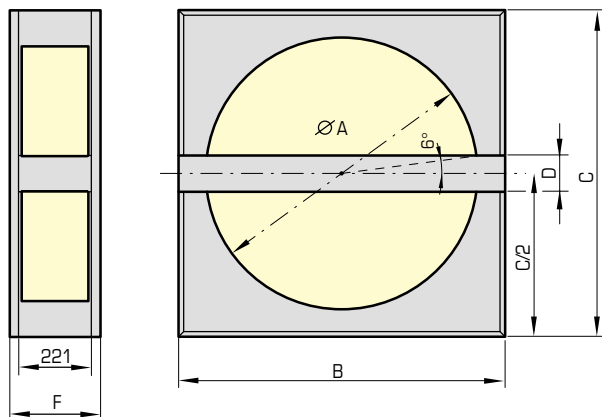
ECONOVENT® rotorcassette offers customers/taillormade rotorsizes for heat and humidity recovery and flexible outside casing dimensions per cm for best technical arrangement. The cassette is delivered complete mounted as whole unit without side panels. When drive unit is ordered the unit is test run from factory.

Summary ECONOVENT® rotorcassette

Rotorsize mm	Depth	Design
300 - 1090	265	Self-carrying casing
1100 - 1600	285	With framework 30x30 mm
1610 - 2400	325	With framework 50x50 mm
Rotordiameter	to be selected from standard range or optimal per cm	
Casing	Galvanized sheet steel, un-insulated	
Limitation of casing dim	Rotordiameter + min 100 mm	
Outside cassette dim	Flexible/optimal per each cm	
Drive system	Constant or variable speed	

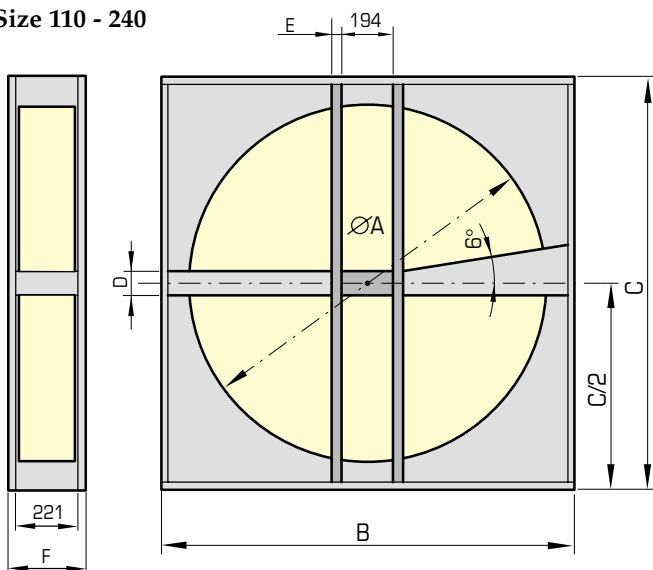
Dimensions – standard range

Size 060 - 095



Size	A	B	C	D	E	F	Weight kg	Type
060	600	700	700	60	-	265	32	Self supporting Steel
080	800	900	900	100			51	
095	950	1050	1050	100			68	
110	1100	1200	1200	84	30x30	285	111	Frame-work
120	1200	1300	1300				129	
135	1350	1450	1450				158	
150	1500	1600	1600				190	
170	1700	1800	1850	100	50x50	325	246	Reinforced frame-work
190	1900	2000	2050				297	
200	2000	2100	2150				326	
215	2150	2250	2300				373	
240	2400	2500	2550				458	

Size 110 - 240



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