

***ECONOVENT® PUR (A, B, C, D) and PURR***

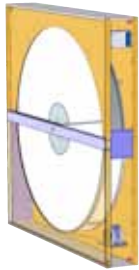
*Product codes for cassette and cased units*

*Rotor size 030-250*



**FläktWoods**

# Rotor with complete casing/cassette

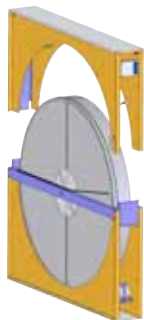


## PUR A

Rotor with complete casing/cassette, top/bottom airflow.  
Cassette type, with or without casing.

## PUR B

Rotor with complete casing/cassette, side by side airflow.  
Cassette type, with or without casing.



## PUR C

Rotor with split casing/cassette, top/bottom airflow.  
Cassette type, with or without casing.

## PUR D

Rotor with split casing/cassette, side by side airflow.  
Cassette type, with or without casing.



## PURR

Separate rotor only, available as complete rotor (one piece)  
or in sections (2-6 sections).

# Product code

Split casing, side by side airflow  
 Split casing, top/bottom airflow  
 Casing, side by side airflow  
 Casing, top/bottom airflow

PURD (aaa = 150 - 250)  
 PURC (aaa = 150 - 250)  
 PURB  
 PURA - aaa - bbb - ccc - d - e - ff - g - h - ii

Rotor size, cm (aaa) \_\_\_\_\_  
 030 - 250 (in step of 001)

Width of casing, cm (bbb) \_\_\_\_\_  
 040 - 300 (acc. table)

Height of casing, cm (ccc) \_\_\_\_\_  
 055 - 300 (acc. table)

Casing variant (d) \_\_\_\_\_  
 1 = Cassette; Without insp.cover.  
 2 = Cassette; With insp. cover front both sides.  
 3 = Cased; Without insp.cover.  
 4 = Cased; With insp. cover front both sides.

Purging sector (e) \_\_\_\_\_  
 0 = Without  
 1 = With purging sector  
 2 = With adjustable purging sector

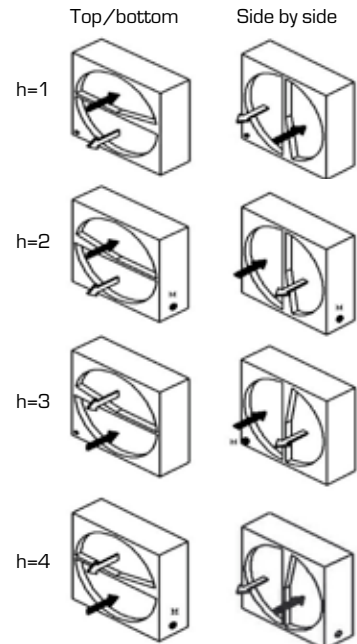
Type of drive unit fitted (ff) \_\_\_\_\_  
 00 = Without motor  
 02 = Constant speed, heat recovery. 3x400 V, 50 Hz  
 03 = Constant speed, heat recovery. 1x230 V, 50 Hz  
 04 = Constant speed, heat recovery. 3x230 V, 50 Hz (Norway)  
 22 = Constant speed, cooling recovery. 3x400 V, 50 Hz  
 23 = Constant speed, cooling recovery. 1x230 V, 50 Hz  
 24 = Constant speed, cooling recovery. 3x230 V, 50 Hz (Norway)  
 41 = Variable speed with 1x230V 50/60 Hz (with speed detector) operation ind.  
 42 = Variable speed with display. 1x230V 50/60 Hz (with speed detector)  
 51 = Variable speed with 1x230V 50/60 Hz (BLDC) operation ind.  
 62 = Constant speed, heat recovery. 3x400 V, 60 Hz  
 63 = Constant speed, heat recovery. 1x230 V, 60 Hz  
 65 = Constant speed, heat recovery. 3x440 V, 60 Hz  
 82 = Constant speed, cooling recovery. 3x400 V, 60 Hz  
 83 = Constant speed, cooling recovery. 1x230 V, 60 Hz  
 85 = Constant speed, cooling recovery. 3x440 V, 60 Hz

Casing material (g) \_\_\_\_\_  
 1 = Galvanized sheet steel  
 2 = Stainless 304  
 4 = Stainless 316L  
 8 = AlZn-coated sheet steel

Inspection side (h) \_\_\_\_\_  
 1 = Right; Supply air below, supply air at insp. side  
 2 = Left; Supply air below, supply air at insp. side  
 3 = Right; Supply air above, supply air at back side  
 4 = Left; Supply air above, supply air at back side

Design variant (ii) \_\_\_\_\_  
 00 = Econovent standard  
 20-99 = Customer variants

## Inspection side (h)



# Product code

Rotor, assem. in casing PURR **aaa-bb-c-1-e-1-1-1-i-j-kk**

Rotor size, cm (**aaa**)  
030 - 250

Rotor type (**bb**)  
01 = Non hygroscopic rotor  
03 = Non hygroscopic rotor,  
Edge re-enforced  
05 = Epoxy coated rotor  
06 = Composite rotor  
(aaa=060-250)(c=5;e=0)  
07 = Semco rotor (sorption)  
08 = Semco rotor (sorption)  
Edge re-enforced

Output variant (**c**)  
1 = Output variant 1 (2,65 mm)  
3 = Output variant 3 (2,0 mm)  
5 = Output variant 5 (1,7 mm)  
7 = Output variant 7 (1,55 mm)  
9 = Output variant 9 (1,4 mm)

Rotor construction (**e**)  
0 = Composite  
1 = Wound, not sectorized (aaa = 030 - 250)  
2 = 2-sections (aaa = 060 - 090)  
4 = 4-sections (aaa = 091 - 249)  
6 = 6-sections (aaa = 250)

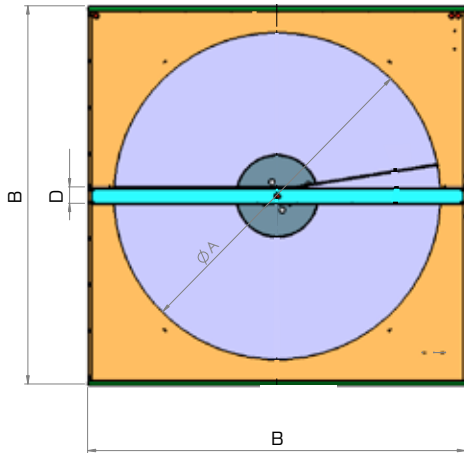
Material (**i**)  
1 = Galvanized sheet steel  
2 = Stainless 304  
4 = Stainless 316L  
8 = AlZn-coated sheet steel

Delivery version (**j**)  
1 = Assembled rotor unit  
2 = Split rotor unit (aaa=060-250, e=2-6)

Design variant (**kk**)  
00 = Econovent standard  
20-99 = Customer variant

# Dimensions and Weights

## Size 030 - 200



## Size 201 - 250

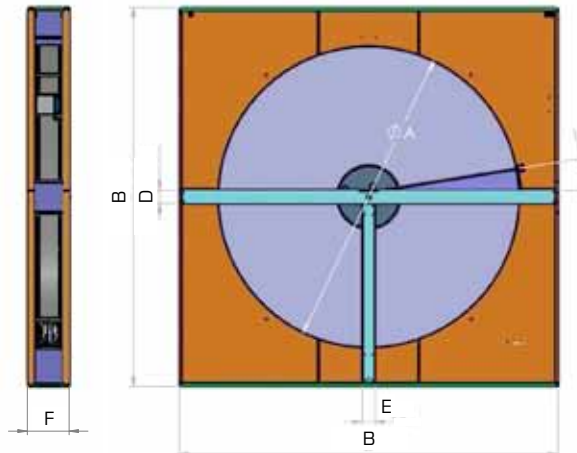


Table 1: Casing dimensions, in steps of 1 cm

Rotor size	A	B	C	D	E	F	Weight (kg)*
∅ 030...039 (cm)	aaa	+(10...50)	+(25...80)	8	-	30	
Example	030	40...80	55...110	8	-	30	25
∅ 040...049 (cm)	aaa	+(10...50)	+(20...80)	8	-	30	
Example	040	50...90	60...120	8	-	30	31
∅ 050...054 (cm)	aaa	+(10...50)	+(15...80)	8	-	30	
Example	050	60...100	65...130	8	-	30	37
∅ 055...109 (cm)	aaa	+(10...50)	+(10...80)	8/10	-	30	
Example	060	70...110	70...140	8	-	30	43
	070	80...120	80...150	10	-	30	51
	080	90...130	90...160	10	-	30	61
	090	100...140	100...170	10	-	30	71
	100	110...150	110...180	10	-	30	82
∅ 110...160 (cm)	aaa	+(10...50)	+(10...110)	10	-	33	
Example	110	120...160	120...220	10	-	33	110
	120	130...170	130...230	10	-	33	122
	130	140...180	140...240	10	-	33	136
	140	150...190	150...250	10	-	33	151
	150	160...200	160...260	10	-	33	166
	160	170...210	170...270	10	-	33	182
∅ 161...190 (cm)	aaa	+(10...110)	+(15...110)	10	-	33	
Example	170	180...280	185...280	10	-	33	202
	180	190...290	195...290	10	-	33	220
	190	200...300	205...300	10	-	33	239
∅ 191...250 (cm)	aaa	+(10) ≤300	+(15) ≤300	10	-	33	
Example	200	210...300	215...300	10	-	33	267
	210	220...300	225...300	10	9,9	33	299
	220	230...300	235...300	10	9,9	33	320
	230	240...300	245...300	10	9,9	33	342
	240	250...300	255...300	10	9,9	33	365
	250	260...300	265...300	10	9,9	33	389

Mark!

aaa=code position aaa for PUR (A,B,C,D) and PURR

Rotor size 030-060 only available with d=1

\*) Example weight for min cassette dimensions, non hygro rotor and output variant 5 (1,7)

Table 1: when code position d=1 or 3, Table 2: when code position d=2 or 4

Table 2: Casing dimensions, in steps of 1 cm when d= 2 or 4 (with inspection cover for drive system)

Rotor size	A	B	C
∅ 060...109 (cm)	aaa	+(15...50)	+(30...80)
Example	030	45...80	60...110
∅ 110...200 (cm)	aaa	+(15...50)	+(15...110)
Example	150	165...200	165...260
∅ 200...250 (cm)	aaa	+(10) ≤300	+(15) ≤300
Example	250	260...300	265...300

## ***We Bring Air to Life***

Fläkt Woods is a global leader in air management.  
We specialize in the design and manufacture of a wide  
range of air climate and air movement solutions.

Our collective experience is unrivalled.

We are constantly aiming to provide systems that  
precisely deliver required function and performance as  
well as maximum energy efficiency.



### **Fläkt Woods Group SA**

18, avenue Louis Casar, CH-1209 Geneva, Switzerland

Tel. +41 22 309 3800

email [info@flaktwoods.com](mailto:info@flaktwoods.com) [www.flaktwoods.com](http://www.flaktwoods.com)

See global website for international sales offices [www.flaktwoods.com](http://www.flaktwoods.com)

**FläktWoods**