

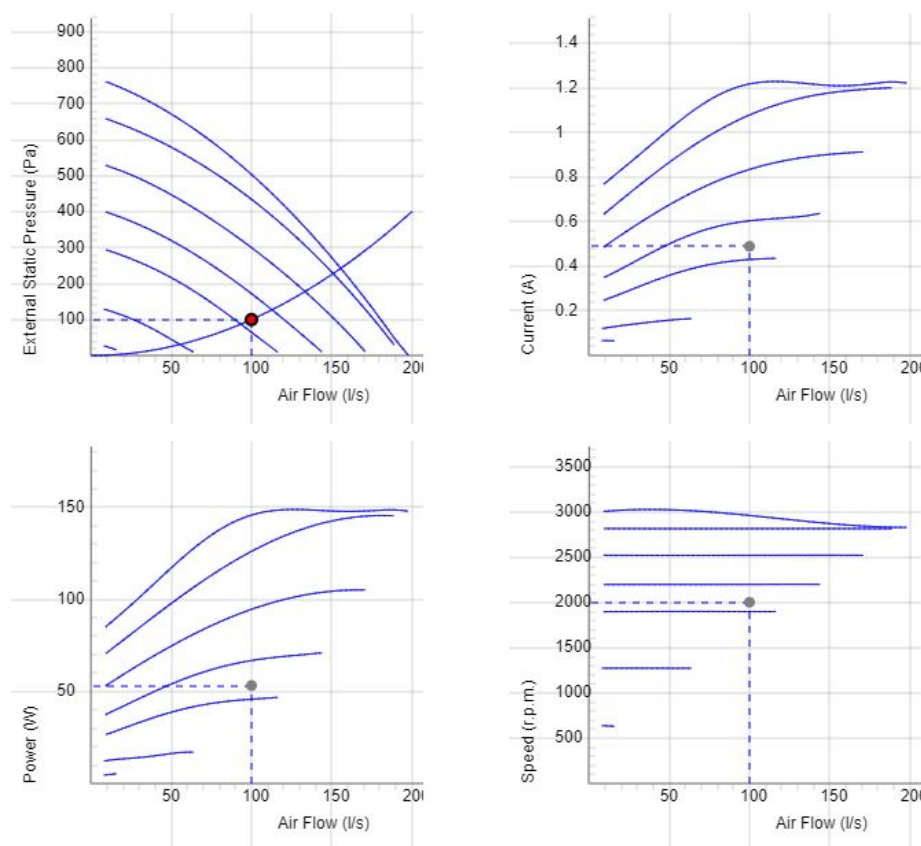
## HERU 160 S EC



- Model with side connections.
- Designed for supply and exhaust air ventilation with energy recovery.
- Suitable for installation in apartments, small houses, offices and other premises where there are stringent requirements on the indoor environment.
- High temperature efficiency, low energy consumption (SFP), low sound level, high operating reliability and provides clean indoor air.
- Unique design minimizes all thermal bridges.
- Easy to handle with a wireless IQ CONTROL with 4,3" touch display for operation and monitoring.
- Integrated Modbus communication. No accessories needed.
- App controlled via cloud service.
- Easy installation wizard.
- Scheduled operation.
- Supports use of presence sensors.
- Airflow is generated by two silent radial fans with EC motors and impellers with backward curved blades.
- The fans are connected using quick connectors and are very easy to remove for cleaning.
- A regenerative, non-hygroscopic, aluminum rotating heat exchanger located in the center of the unit. The heat exchanger can easily be removed for cleaning.
- Delivered with bag filter ISO ePM1 65% as standard, for both extract and supply air. The filters are very easy to change.
- Integrated controls for heating/cooling. Increases thermal comfort by heat recovery or night cooling.
- Integrated electric heater.
- The interior of the unit is constructed of galvanized steel sheet. The exterior is made of galvanized and Galfan steel sheet. Exterior corrosivity class C3.
- 50 mm insulation.
- For placement in warm or cold areas.
- Comes in right-hand design as standard, but can easily be rebuilt to left-hand design.
- HERU 100S and HERU 160S are equipped with wall plug. HERU 200S and HERU 300S comes with cable for fixed installation.

NOTE! The warranty of HERU is only valid if accessories/equipment (e.g. filters) from H. Östberg AB are used.

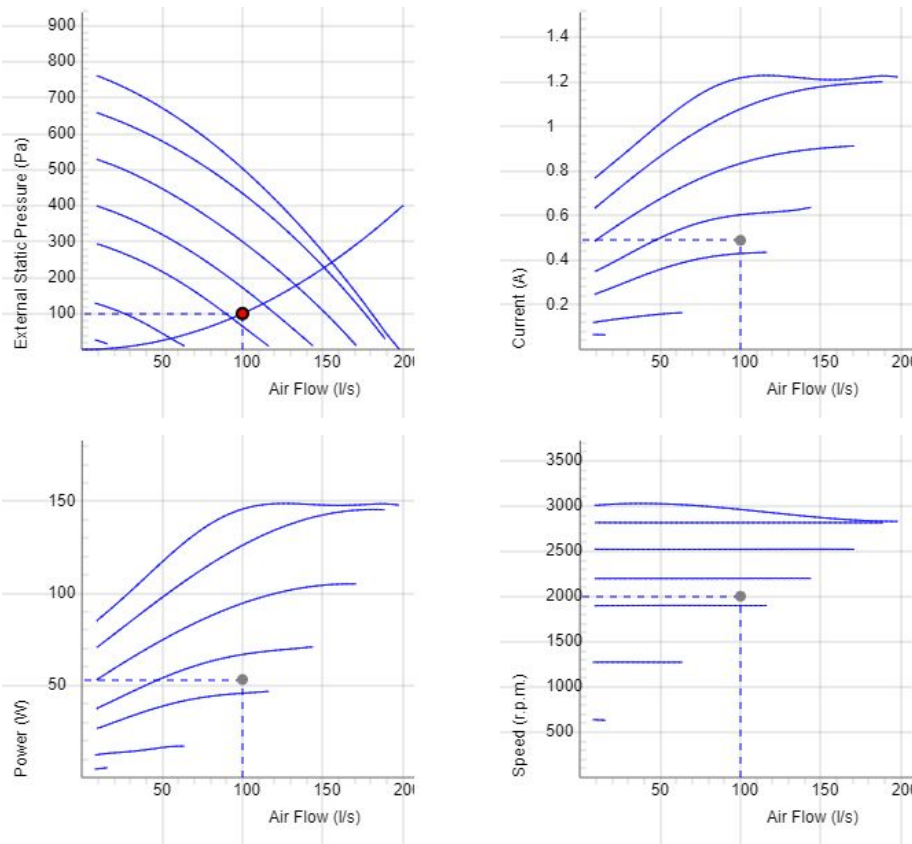
## DIAGRAMS - SUPPLY



## Data - SUPPLY

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Voltage (V)
100	100	53.2	2004	0.49	6.34

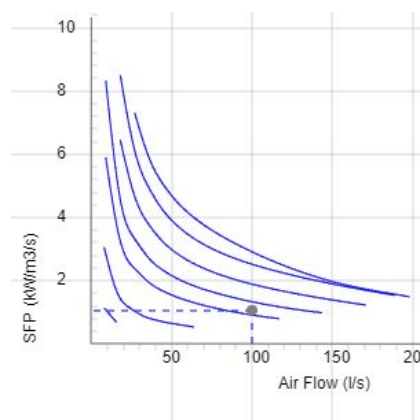
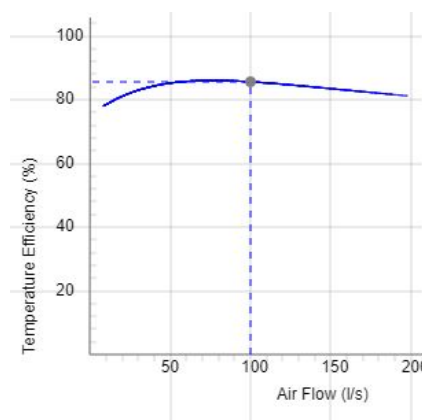
DIAGRAMS - EXTRACT



Data - EXTRACT

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Voltage (V)
100	100	53.2	2004	0.49	6.34

## DIAGRAMS - COMBINED

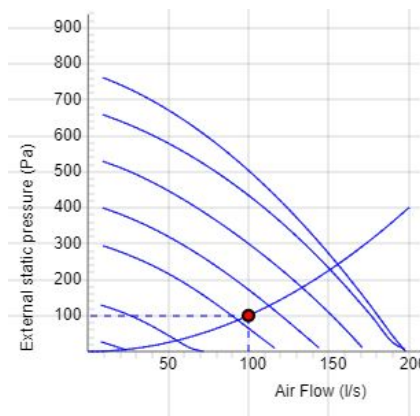


## DATA COMBINED

Efficiency (%)  
85.7

SFPv (kW/m3/s)  
1.06

## SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k
Supply Lw dB(A)	68	50	51	64	62	57	57	51	41
Extract Lw dB(A)	58	41	47	57	52	44	36	25	9
Surrounding Lw dB(A)	42	29	37	40	29	28	27	26	26
Surrounding Lp dB (A)	35								
20m² Sabine, hemispherical 3m									

## Data - SOUND

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Efficiency (%)	SFPv (kW/m3/s)	Voltage (V)
100	100	53.2	2004	0.49	85.7	1.06	6.34

## TECHNICAL DATA

### HERU 160 S EC-y1 8010781

Parameter	Value	Unit
Voltage	230	V
Phase	1	~
Frequency	50	Hz
Power	2020	W
Power, fans	301	W
Power, heater	1700	W
Current	9.9	A
Current, fans	2.44	A
Current, heater	7.39	A
Speed	2860	r.p.m.
Sound pressure level at 3 m	41	dB(A)
Weight	77	kg
Weight (empty casing)	39.6	kg
Enclosure class	41	IP
Duct connection	200	mm
Max. flow @ 0Pa	200	l/s
Max. pressure	774	Pa
Voltage range	220-240	V

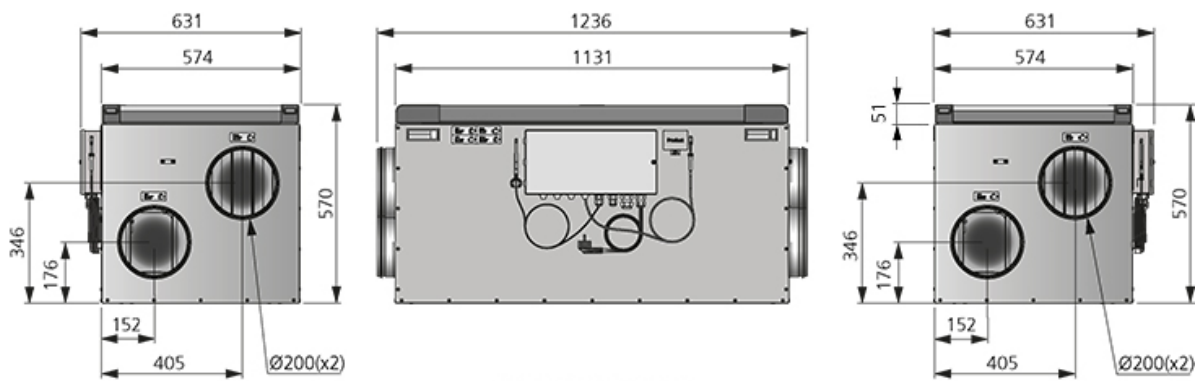
## PRODUCT INFORMATION SHEET

Parameter	Value	Unit
(a) Manufacturer	Östberg	-
(b) Model code	HERU 160 S EC	-
(c) SEC average climate	-41.5	kWh/m <sup>2</sup>
SEC average climate, class	A	-
SEC warm climate	-16.4	kWh/m <sup>2</sup>
SEC warm climate, class	E	-
SEC cold climate	-85.2	kWh/m <sup>2</sup>
SEC cold climate, class	A+	-
(d) Declared type	RVU / BVU	-
(e) Type of drive	Variable speed drive	-
(f) Type of heat recovery	Regenerative	-
(g) Thermal efficiency	84	%
(h) Max. flow rate (@100Pa)	650	m <sup>3</sup> /h
(i) Power at max. flow rate	297	W
(j) Sound power level	43	dB LwA
(k) Reference flow rate	0.126	m <sup>3</sup> /s
(l) Reference pressure difference	50	Pa
(m) SPI	0.32	W/(m <sup>3</sup> /h)
(n) Type of control/ctrl factor	Local demand control(accessory)/0.65	-
(o) External (and internal) leakage rate	1,99 (3,99)	%
(p) Mixing rate	N/A	-
(q) Visual filter warning	In remote control	-
(r) Instruction supply/exhaust grilles	See manual	-
(s) Disassembly instructions	fsp.ostberg.com	-
(t) Airflow sensitivity	N/A	-
(u) Air tightness	N/A	m/s
(v) AEC	169	kWh

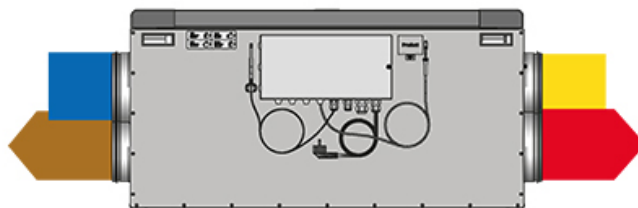
Parameter	Value	Unit
(w) AHS average	4569	kWh
AHS warmer	2066	kWh
AHS colder	8938	kWh



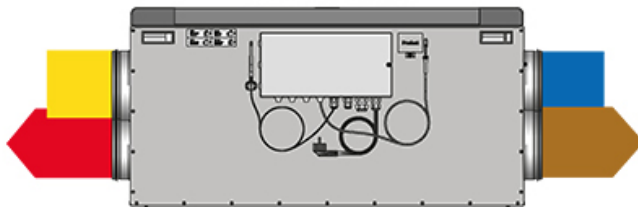
## DIMENSIONS



RIGHT-HAND DESIGN



LEFT-HAND DESIGN



### ENGLISH

- Supply air
- Extract air
- Exhaust air
- Fresh air

### SVENSKA

- Tilluft
- Frånluft
- Avluft
- Uteluft

### NORSKA

- Tilluft
- Avtrekk
- Avkast
- Luftinntak

### SUOMI

- Tuloilma
- Poistoilma
- Jäteilma
- Ulkoilma

### DEUTSCH

- Zuluft
- Abluft
- Fortluft
- Frischluft

### POLSKI

- Powietrze nawiew
- Powietrze wywiew
- Powietrze usuwane
- powietrze z zewnątrz

### ITALIANO

- Aria di immissione
- Aria di estrazione
- Sfiato
- Aria di esterna



## ACCESSORIES

### Mechanical accessories



Filter Kit HERU 160 S  
NextGen



Outside wall hood  
200



Silencer LDC 200

### Electrical accessories



IQC Touch display



Active dock holder  
IQC



Firmware HERU IQC  
v1.10



Extension cable,  
antenna IQC



HERU IQ App



Pressure control IQC



Heater Kit Water,  
HERU 160 S NextGen



HERU 160 S IQC  
Water Cooler



Room temperature  
sensor



Carbon dioxide  
sensor CO2



Humidity/temperature  
sensor



Duct sensor



Damper motor