

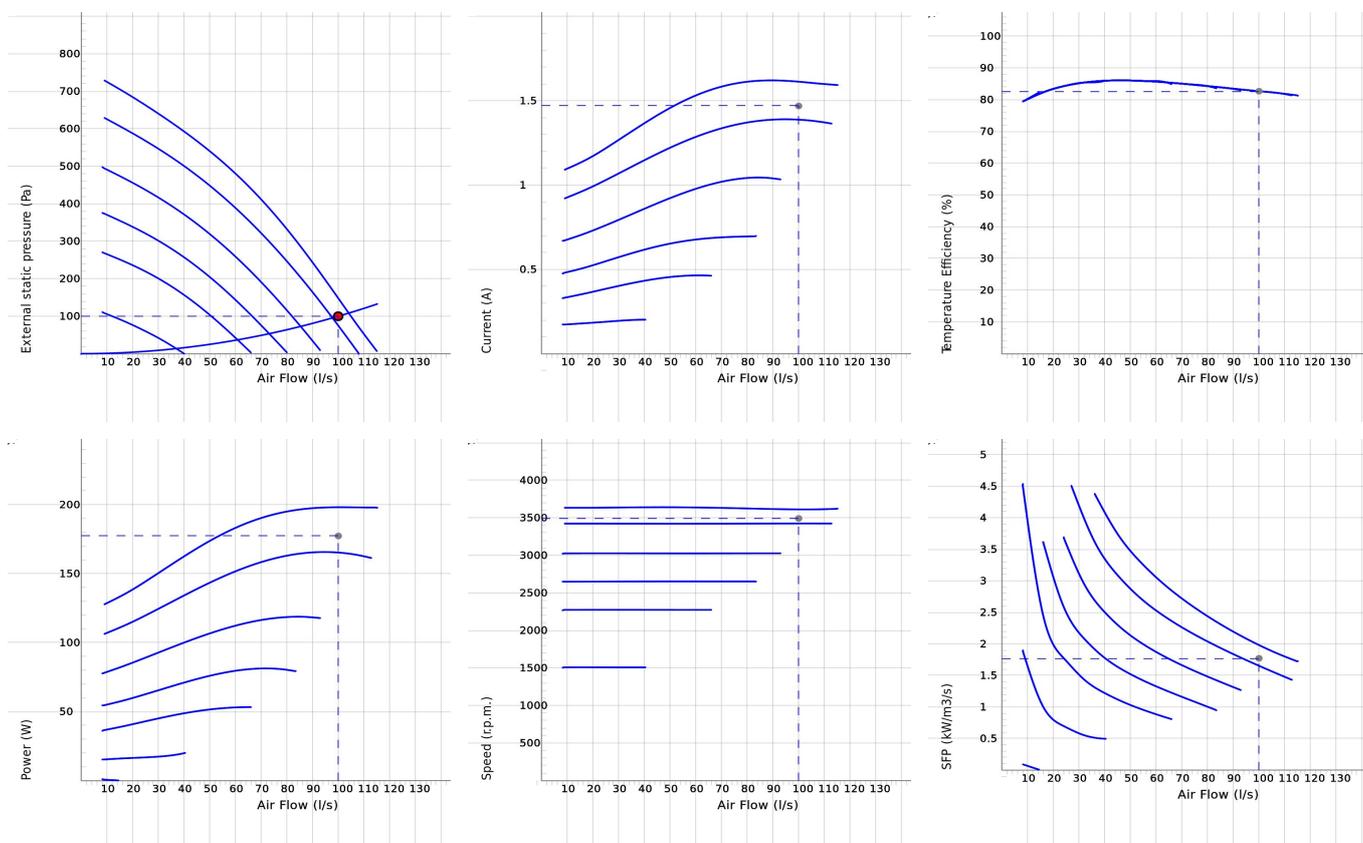
## HERU 100 T EC



- Wall-mounted model with top connection.
- 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 filter ISO ePM1 50% as standard, for both exhaust 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 powder coated galvanized steel sheet and Aluzinc, and meets C4 requirements.
- 50 mm insulation in sides, top, bottom and door.
- 30 mm insulation in the back of the unit.
- For placement in warm areas, such as laundry, storage or utility rooms.
- Available in either right-hand or left-hand design.
- HERU 100T and HERU 160T has a connection for a cooker hood. This connection is routed past the rotor to prevent cooking odours from spreading back into the premises.
- HERU 100T and HERU 160T are equipped with wall plug. HERU 200T and HERU 300T comes with cable for fixed installation.
- Integrated silencer on the supply air and extract air side.

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

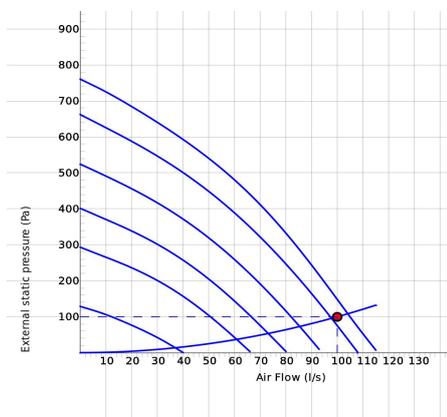
## DIAGRAMS



## Work Point

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Efficiency (%)	SFP (kW/m <sup>3</sup> /s)	Voltage (V)
100	100	177	3492	1.47	82.7	1.77	9.36

## SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k
Supply Lw dB(A)	73	57	63	67	69	59	61	53	49
Extract Lw dB(A)	61	45	52	50	59	53	47	42	29
Surrounding Lw dB(A)	49	40	45	43	40	31	30	29	28
Surrounding Lp dB (A) 3m	42								

## Work Point

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Efficiency (%)	SFP (kW/m3/s)	Voltage (V)
100	100	177	3492	1.47	82.7	1.77	9.36

## TECHNICAL DATA

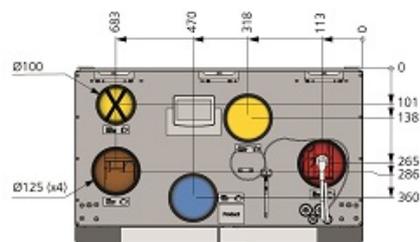
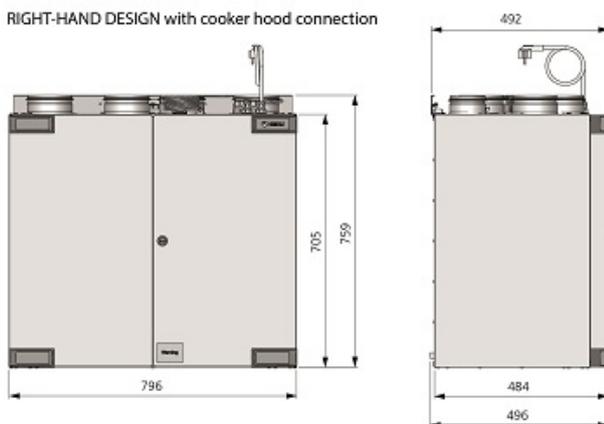
Parameter	HERU 100 T EC-y1 RE 8010795		HERU 100 T EC-y1 LE 8010796	
	Value	Unit	Value	Unit
Voltage	230	V	230	V
Phase	1	~	1	~
Frequency	50	Hz	50	Hz
Power	1410	W	1410	W
Power, fans	198	W	198	W
Power, heater	1200	W	1200	W
Current	6.9	A	6.9	A
Current, fans	1.60	A	1.60	A
Current, heater	5.22	A	5.22	A
Speed	3600	r.p.m.	3600	r.p.m.
Sound pressure level at 3 m	41	dB(A)	41	dB(A)
Weight	66	kg	66	kg
Enclosure class	41	IP	41	IP
Duct connection	125	mm	125	mm
Max. flow	116	l/s	116	l/s
Max. pressure	760	Pa	760	Pa
Voltage range	220-240	V	220-240	V

## ECODESIGN

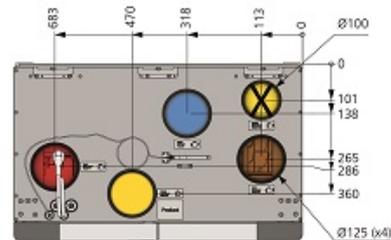
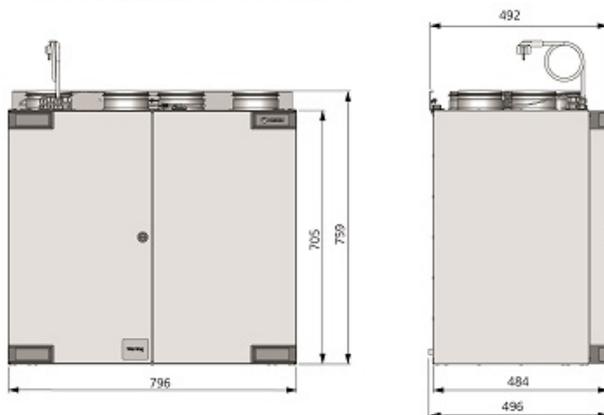
Parameter	Value	Unit
(a) Manufacturer	Östberg	-
(b) Model code	HERU 100 T EC	-
(c) SEC value	-41	kWh/m <sup>2</sup>
SEC class	A	-
(d) Declared type	RVU / BVU	-
(e) Type of drive	Variable speed drive	-
(f) Type of heat recovery	Regenerative	-
(g) Thermal efficiency	84.8	%
(h) Max. flow rate (@100Pa)	378	m <sup>3</sup> /h
(i) Power at max. flow rate	198	W
(j) Sound power level	45	dB LwA
(k) Reference flow rate	0.073	m <sup>3</sup> /s
(l) Reference pressure difference	50	Pa
(m) SPI	0.37	W/(m <sup>3</sup> /h)
(n) Type of control/ctrl factor	Local demand control/0.65	-
(o) External (and internal) leakage rate	2.19 (4.72)	%
(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	194	kWh
(w) AHS average	4614	kWh
AHS warmer	2087	kWh
AHS colder	9027	kWh

## DIMENSIONS

RIGHT-HAND DESIGN with cooker hood connection



LEFTHAND DESIGN with cooker hood connection



### ENGLISH

- Supply air
- Extract air
- Exhaust air
- Fresh air
- ⊗ Cooker hood

### SVENSKA

- Tilluft
- Frånluft
- Avluft
- Uteluft
- ⊗ Spiskåpa

### DEUTSCH

- Zuluft
- Abluft
- Fortluft
- Frischluft
- ⊗ Dunstabzugshaube

### SUOMI

- Tuloilma
- Poistoilma
- Jäteilma
- Ulkoilma
- ⊗ Liesituuletin

### ITALIANO

- Aria di immissione
- Aria di estrazione
- Sfiato
- Aria esterna
- ⊗ Cappa cucina

### POLSKI

- Powietrze nawiew
- Powietrze wywiew
- Powietrze usuwane
- Powietrze z zewnątrz
- ⊗ Okapu kuchennego

## ACCESSORIES

### Mechanical accessories



Filter kit HERU 100 T  
NextGen



Outside wall hood  
160



Silencer LDC 125

### Electrical accessories



IQC Touch display



Active dock holder  
IQC



Firmware HERU IQC



Extension cable,  
antenna IQC



HERU IQ App



Heater Kit Water,  
HERU 100 T NextGen



Room sensor



Duct sensor



Humidity/temperature  
sensor



Carbon dioxide  
sensor CO2



Damper motor