

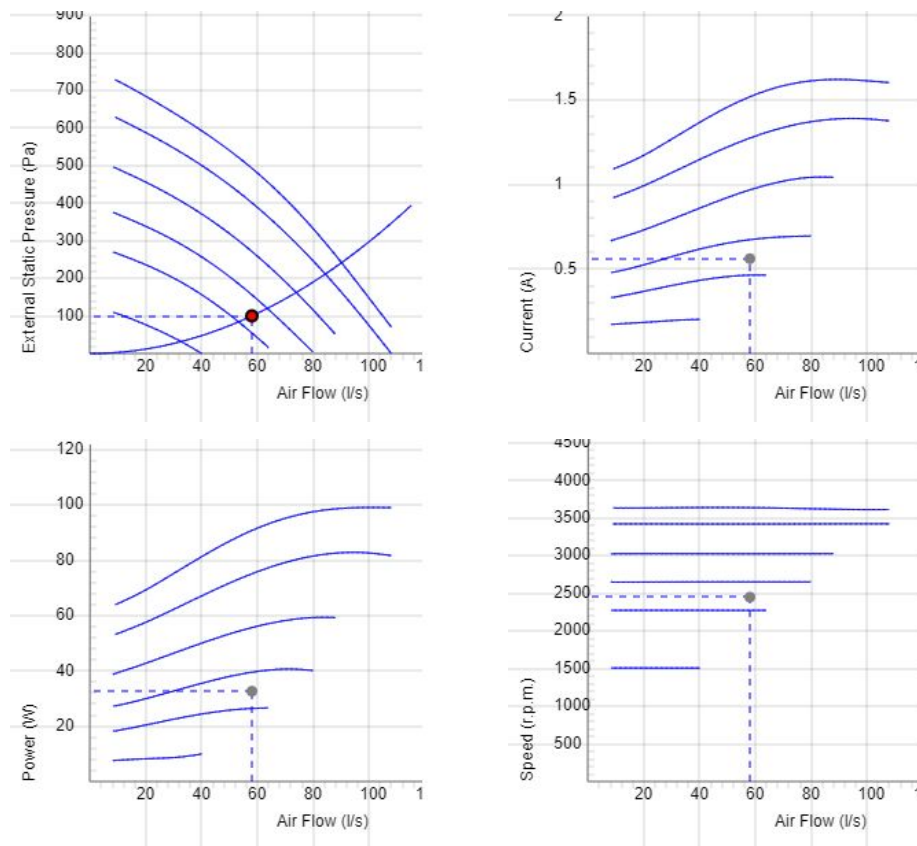
## HERU 100 T EC



- 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 Galfan, and meets C3 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.
- 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.

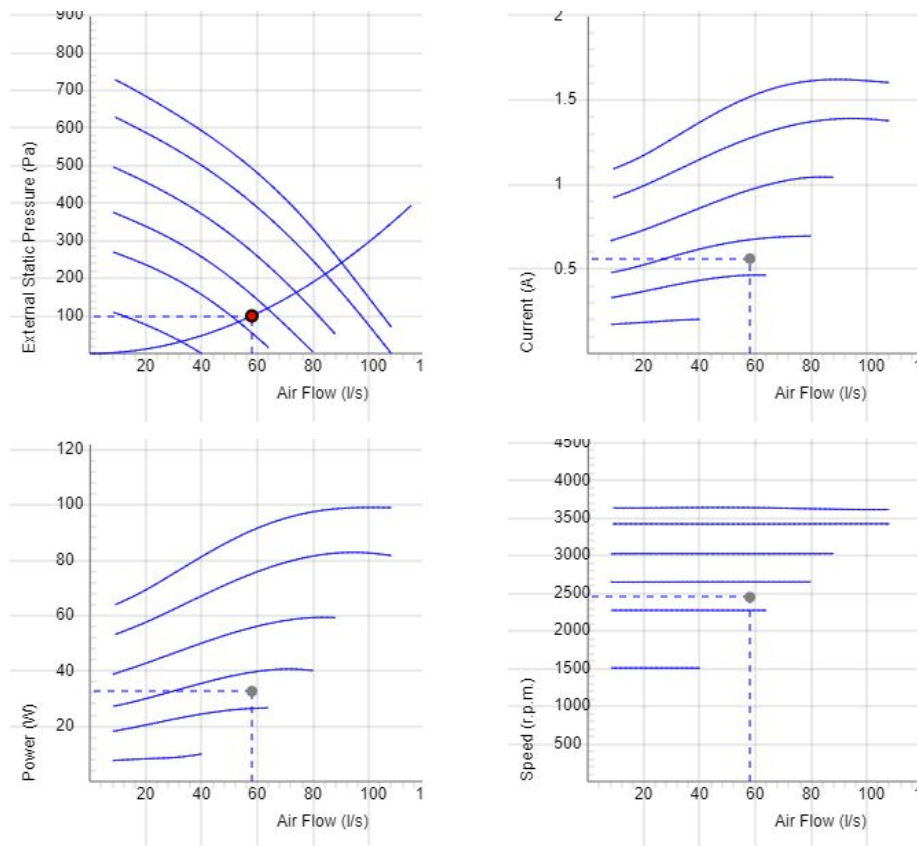
## DIAGRAMS - SUPPLY



## Data - SUPPLY

| Air Flow (l/s) | External static pressure (Pa) | Power (W) | Speed (r.p.m.) | Current (A) | Voltage (V) |
|----------------|-------------------------------|-----------|----------------|-------------|-------------|
| 58             | 100                           | 32.6      | 2449           | 0.561       | 6.46        |

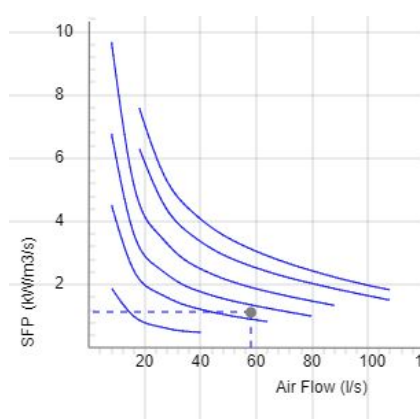
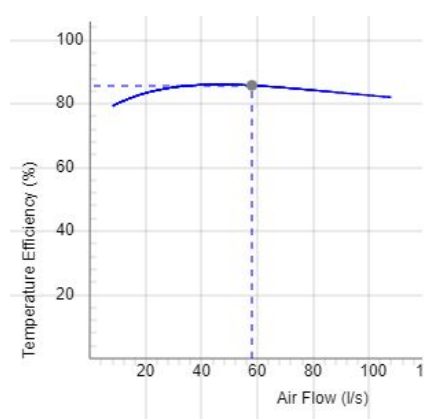
## DIAGRAMS - EXTRACT



## Data - EXTRACT

| Air Flow (l/s) | External static pressure (Pa) | Power (W) | Speed (r.p.m.) | Current (A) | Voltage (V) |
|----------------|-------------------------------|-----------|----------------|-------------|-------------|
| 58             | 100                           | 32.6      | 2449           | 0.561       | 6.46        |

## DIAGRAMS - COMBINED

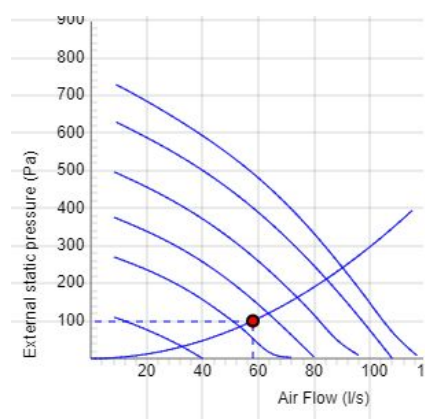


## DATA COMBINED

Efficiency (%)  
85.8

SFP (kW/m3/s)  
1.12

## SOUND DATA



|   | Tot | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
|---|-----|----|-----|-----|-----|----|----|----|----|
| Supply Lw dB(A)                           | 64  | 52 | 57  | 60  | 56  | 49 | 52 | 43 | 34 |
| Extract Lw dB(A)                          | 52  | 40 | 48  | 43  | 44  | 45 | 39 | 33 | 16 |
| Surrounding Lw dB(A)                      | 43  | 32 | 41  | 37  | 30  | 25 | 24 | 26 | 28 |
| Surrounding Lp dB (A)                     | 36  |    |     |     |     |    |    |    |    |
| 20m <sup>2</sup> Sabine, hemispherical 3m |     |    |     |     |     |    |    |    |    |

## Data - SOUND

| Air Flow (l/s) | External static pressure (Pa) | Power (W) | Speed (r.p.m.) | Current (A) | Efficiency (%) | SFP (kW/m3/s) | Voltage (V) |
|----------------|-------------------------------|-----------|----------------|-------------|----------------|---------------|-------------|
| 58             | 100                           | 32.6      | 2449           | 0.561       | 85.8           | 1.12          | 6.46        |

## TECHNICAL DATA

| Parameter                   | HERU 100 T EC-y1 RE<br>8010795 |        | HERU 100 T EC-y1 LE<br>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     |
| Weight (empty casing)       | 36.3                           | kg     | 36.3                           | kg     |
| Enclosure class             | 41                             | IP     | 41                             | IP     |
| Duct connection             | 125                            | mm     | 125                            | mm     |
| Max. flow @ 0Pa             | 116                            | l/s    | 116                            | l/s    |
| Max. pressure               | 760                            | Pa     | 760                            | Pa     |
| Voltage range               | 220-240                        | V      | 220-240                        | V      |

## PRODUCT INFORMATION SHEET

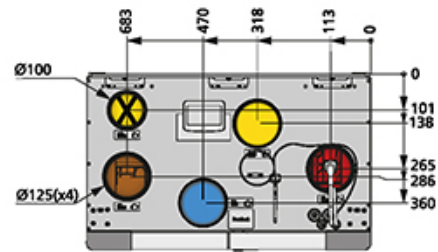
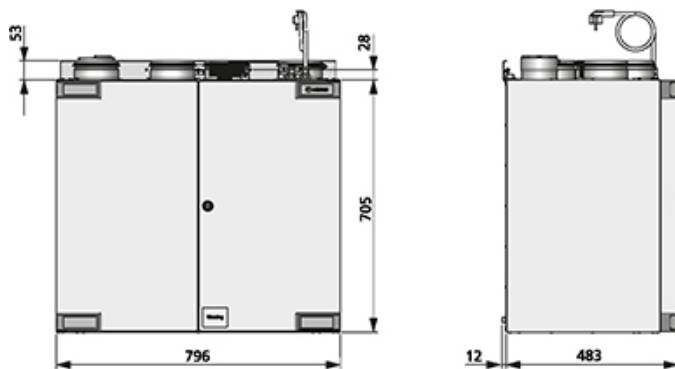
| Parameter                                | Value                                | Unit                  |
|--|--------------------------------------|-----------------------|
| (a) Manufacturer                         | Östberg                              | -                     |
| (b) Model code                           | HERU 100 T EC                        | -                     |
| (c) SEC average climate                  | -41                                  | kWh/m <sup>2</sup>    |
| SEC average climate, class               | A                                    | -                     |
| SEC warm climate                         | -15.9                                | kWh/m <sup>2</sup>    |
| SEC warm climate, class                  | E                                    | -                     |
| SEC cold climate                         | -84.9                                | 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                   | 84.8                                 | %                     |
| (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(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                                  | 194                                  | kWh                   |

| Parameter       | Value | Unit |
|-----------------|-------|------|
| (w) AHS average | 4586  | kWh  |
| AHS warmer      | 2074  | kWh  |
| AHS colder      | 8971  | kWh  |

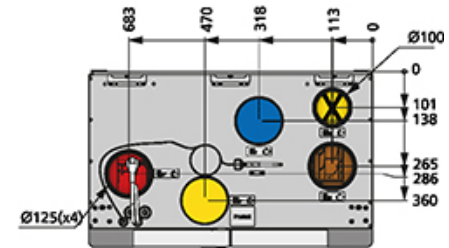
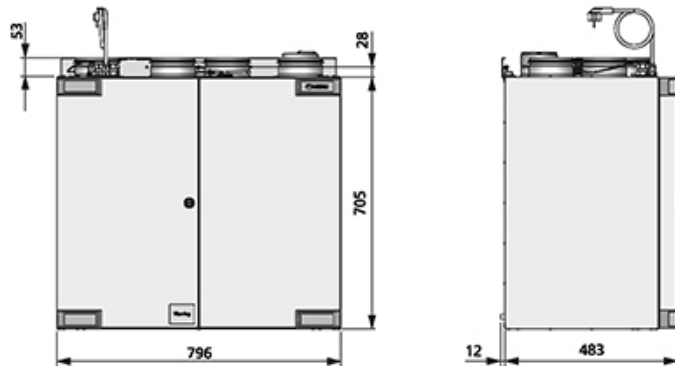


## DIMENSIONS

RIGHT-HAND DESIGN with cooker hood connection



LEFT-HAND DESIGN with cooker hood connection



### ENGLISH

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

### SVENSKA

- Tilluft
- Frånluft
- Avluft
- Uteluft
- ⊗ Spiskåpa

### NORSKA

- Tilluft
- Avtrekk
- Avkast
- Luftinntak
- ⊗ Kjøkkenhette

### SUOMI

- Tuloilma
- Poistoilma
- Jäteilma
- Ulkoilma
- ⊗ Liesituuletin

### DEUTSCH

- Zuluft
- Abluft
- Fortluft
- Frischluft
- ⊗ Dunstabzugshaube

### POLSKI

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

### ITALIANO

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



## ACCESSORIES

### Mechanical accessories



Outside wall hood  
125



Filter kit HERU 100 T  
NextGen



Silencer LDC 125

### Electrical accessories



IQC Touch display



Active dock holder  
IQC



Extension cable,  
antenna IQC



Firmware HERU IQC  
v1.10



HERU IQ App



Pressure control IQC



Heater Kit Water,  
HERU 100 T NextGen



Room sensor



Duct sensor



Humidity/temperature  
sensor



Carbon dioxide  
sensor CO2



Damper motor