

HERU 100 S EC 2

HERU®100 S EC

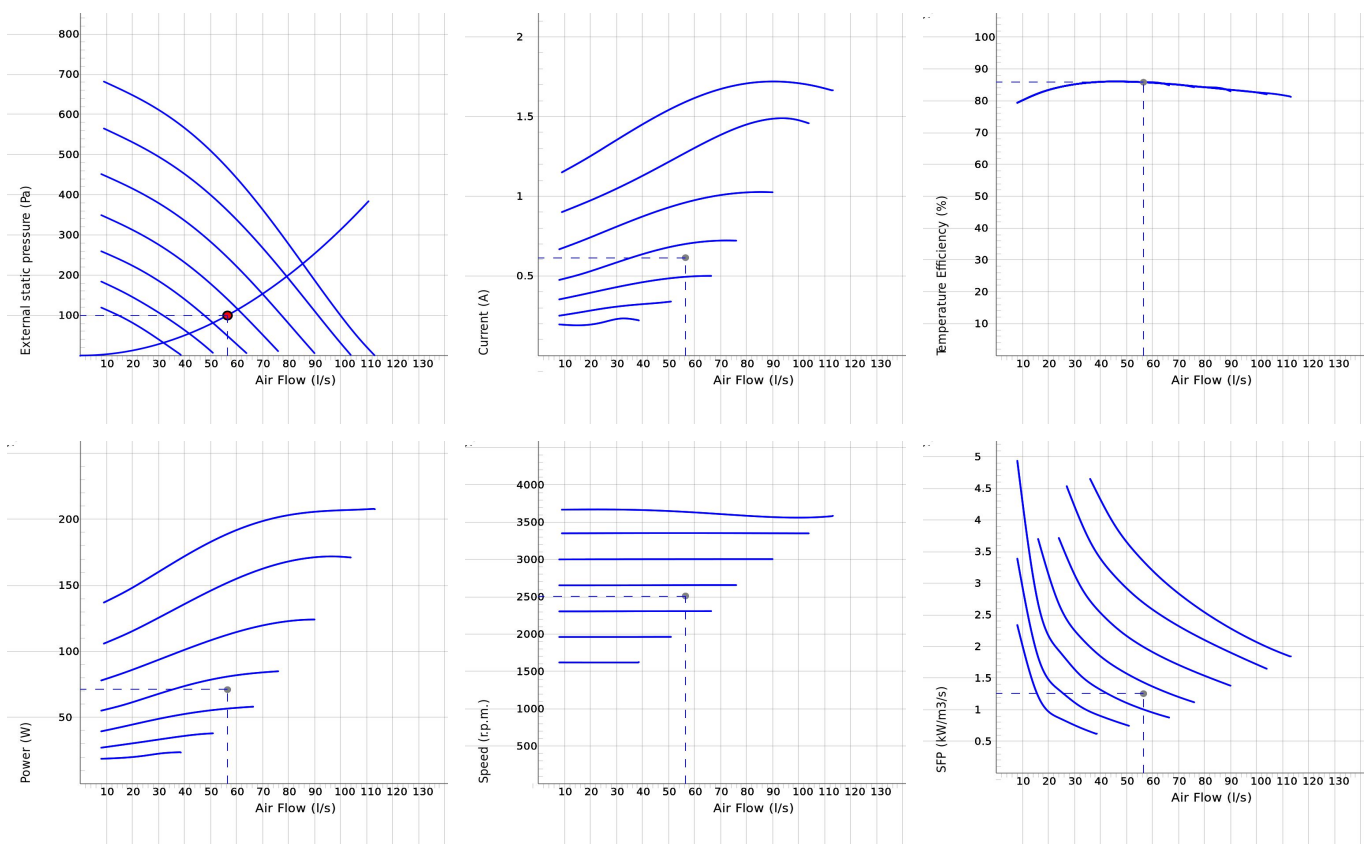


- Model with side connections.
- Designed for supply and extract air ventilation with energy recovery.
- Suitable for installation in apartments, small houses, offices and other premises where there are stringent requirements on the indoor environment.
- High temperature efficiency 86%, low energy consumption (SFP), low sound level, high operating reliability and provides clean indoor air.
- Unique design minimizes all thermal bridges.
- For easy handling, the unit is remote-controlled using the wireless control unit for operation and monitoring.
- Comes prepared for Modbus communication via RS485 (accessory needed).
- Airflow is generated by two silent radial fans with EC motors and impellers with backward curved blades.
- The fans are connected with 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 also be removed for cleaning.
- Comes with bag filter ISO ePM1 65% as standard, for both extract and supply air. The filter is very easy to change.
- Integrated controls for heating/cooling.
- Available with or without integrated electric heater.
- The unit is constructed of double-layer galvanized steel sheet with insulation in between, and comes unpainted.
- For placement in warm or cold areas.
- Comes as right-hand version as standard, but can be easily rebuilt to left-hand design.
- Equipped with wall plug.

NOTE!

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

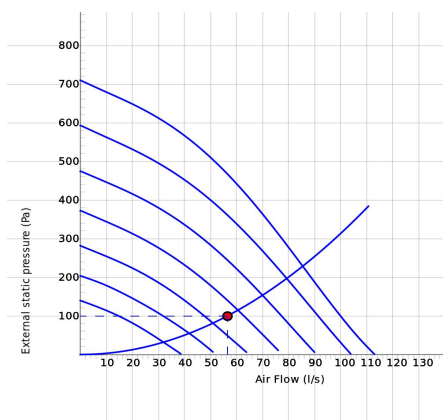
DIAGRAMS



Work Point

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Efficiency (%)	SFP (kW/m³/s)	Voltage (V)
56.5	100	71.1	2512	0.614	85.8	1.25	6.58

SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k
Supply Lw dB(A)	79	59	64	69	77	71	68	65	58
Extract Lw dB(A)	63	51	57	59	58	50	44	36	22
Surrounding Lw dB(A)	49	40	42	42	43	37	36	34	30
Surrounding Lp dB (A) 3m	42	33	35	35	36	30	29	27	23

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)
85.4	228	71.1	2512	0.614	85.8	1.25	6.58

TECHNICAL DATA

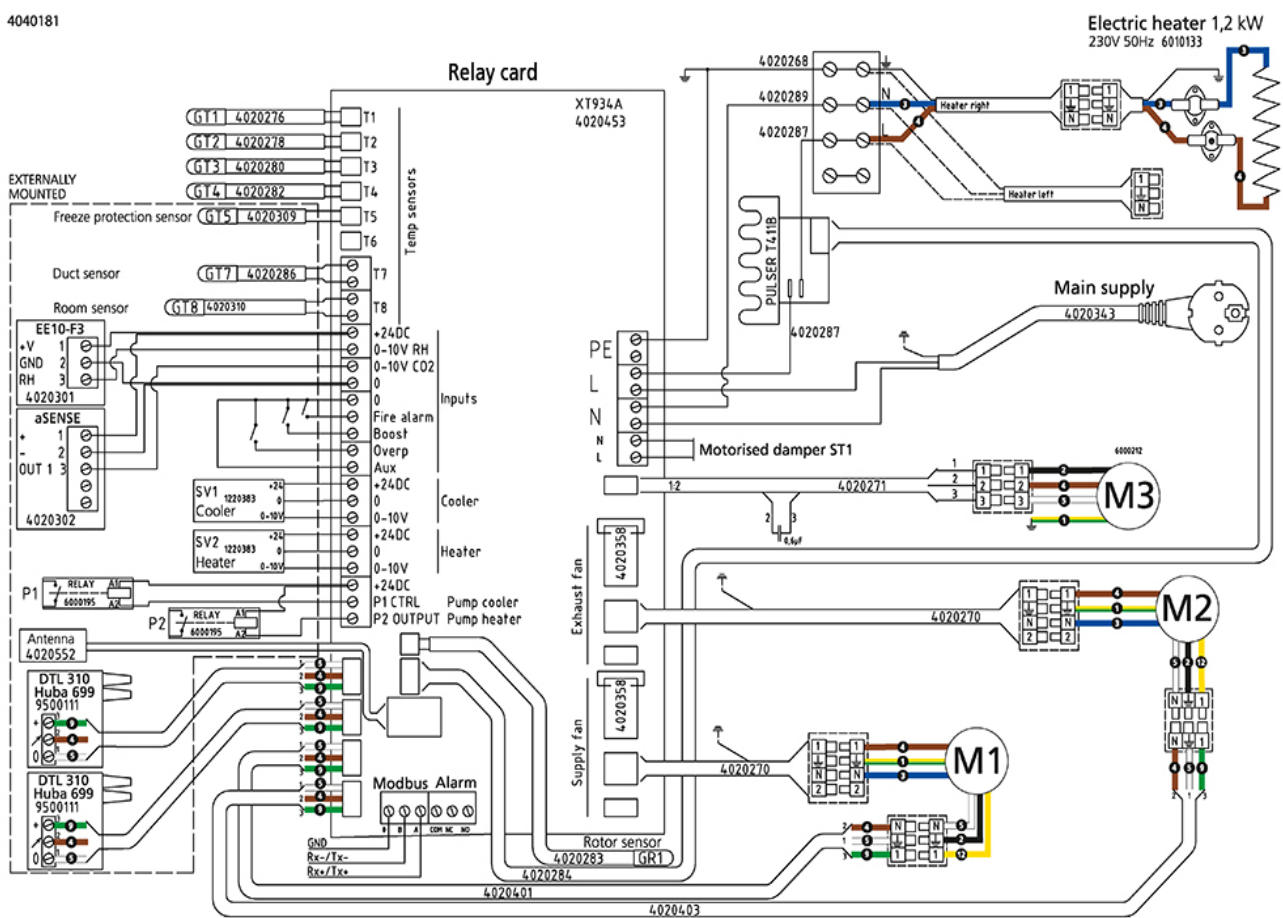
Parameter	HERU 100 S EC 2 A 8010719		HERU 100 S EC 2 B 8010720		HERU 100 S EC 2 C 8010721	
	Value	Unit	Value	Unit	Value	Unit
Voltage	230	V	230	V	230	V
Phase	1	~	1	~	1	~
Frequency	50	Hz	50	Hz	50	Hz
Power	1440	W	836	W	236	W
Power, fans	209	W	209	W	209	W
Power, heater	1200	W	600	W	0	W
Current	6.99	A	4.38	A	1.77	A
Current, fans	1.67	A	1.67	A	1.67	A
Current, heater	5.22	A	2.61	A	0	A
Speed	3580	r.p.m.	3580	r.p.m.	3580	r.p.m.
Sound pressure level at 3 m	41	dB(A)	41	dB(A)	41	dB(A)
Weight	64.8	kg	65.2	kg	63.5	kg
Enclosure class	41	IP	41	IP	41	IP
Duct connection	160	mm	160	mm	160	mm
Max. flow	113	l/s	113	l/s	113	l/s
Max. pressure	710	Pa	710	Pa	710	Pa
Voltage range	220-240	V	220-240	V	220-240	V

ECODESIGN

Parameter	Value	Unit
(a) Manufacturer	Östberg	-
(b) Model code	HERU 100 S EC 2	-
(c) SEC value	-38.54	kWh/m ²
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%	%
(h) Max. flow rate (@100Pa)	360	m ³ /h
(i) Power at max. flow rate	207	W
(j) Sound power level	48	dB LwA
(k) Reference flow rate	0.084	m ³ /s
(l) Reference pressure difference	50	Pa
(m) SPI	0.50	W/(m ³ /h)
(n) Type of control	Local demand control	-
(o) External (and internal) leakage rate	1.09 (2.80)	%
(p) Mixing rate	N/A	-
(q) Visual filter warning	In remote control	-
(r) Instruction supply/exhaust grilles	N/A	-
(s) Disassembly instructions	www.ostberg.com	-
(t) Airflow sensitivity	N/A	-
(u) Air tightness	N/A	m/s
(v) AEC	309	kWh
(w) AHS average	4590	kWh
AHS warmer	2075	kWh
AHS colder	8979	kWh

WIRING DIAGRAM

4040181



Ⓜ = Fan Motor

Ⓜ1 = Fan Motor

Ⓜ2 = Fan Motor

Ⓜ3 = Rotor Motor

① = Yellow/Green

② = Black

③ = Blue

④ = Brown

⑤ = White

⑥ = Orange

⑦ = Grey

⑧ = Red

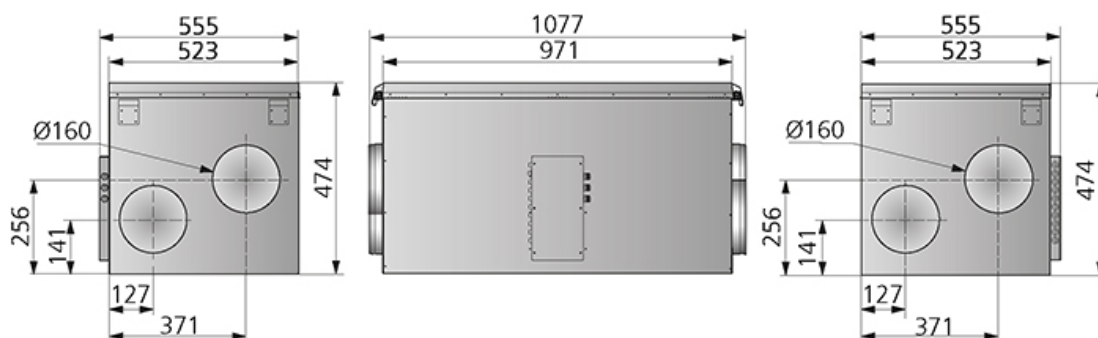
⑨ = Green

⑩ = Violet

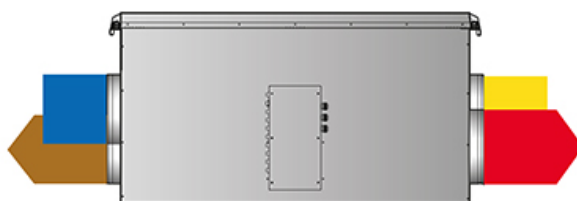
⑪ = Quick switch

⑫ = Yellow

DIMENSIONS



RIGHT-HAND DESIGN



LEFT-HAND DESIGN



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

Electrical accessories



Humidity sensor RH



Carbon dioxide
sensor CO2



Room sensor



Pressure Sensor Kit



Heater Kit Water,
HERU 50/75/100 S



Control Kit



Remote control



Remote control with
Modbus



Control board



Antenna



Extension cable,
antenna



Freeze protection
sensor



Duct sensor



Damper motor



Relay pump control

Mechanical accessories



Outside wall hood
160



Filter Kit HERU
50/75/90/100 S



Filter HERU
50/75/90/100 S



Silencer LDC 160