

HERU 100 T EC

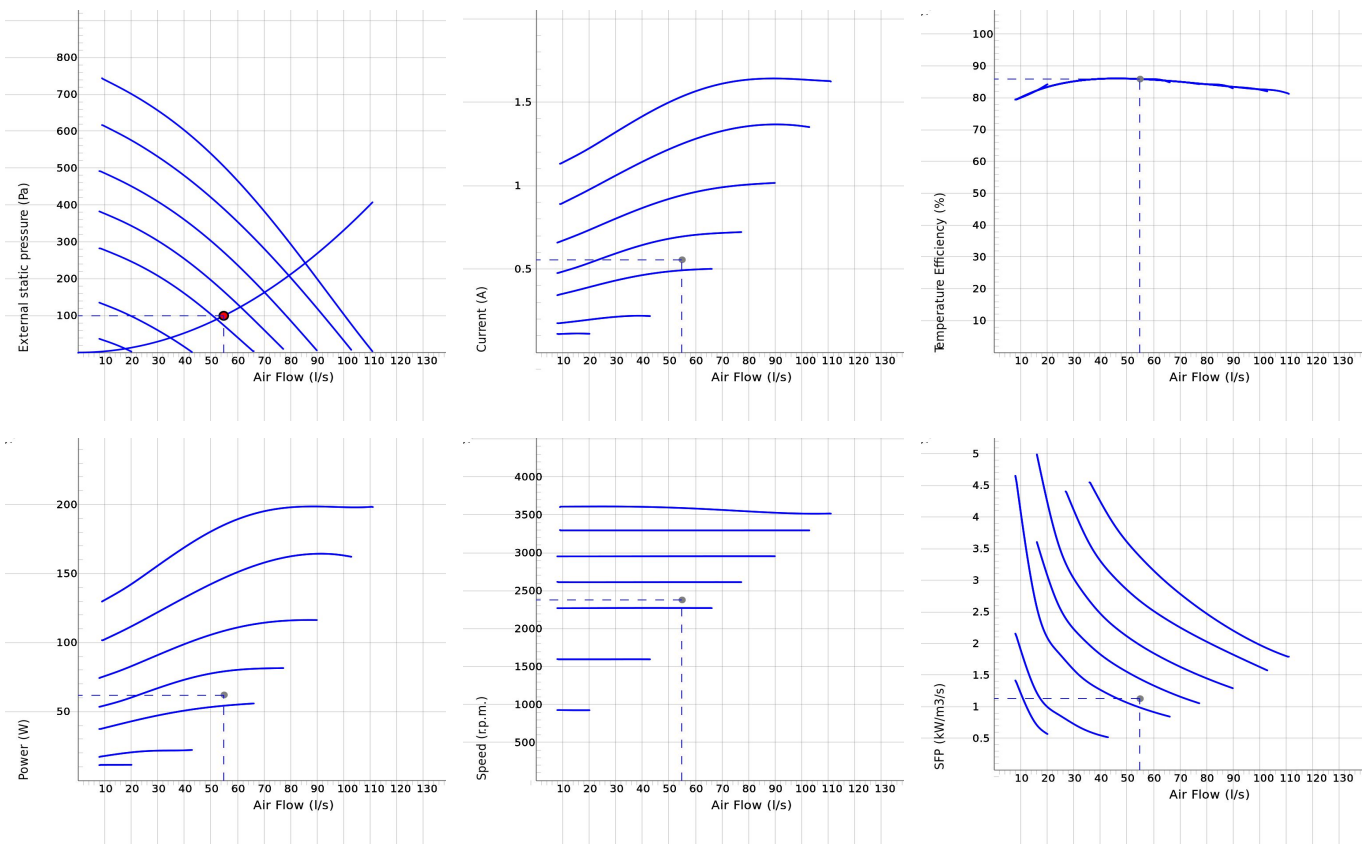


- Wall-mounted model with top connection.
- Designed for supply and exhaust air ventilation with energy recovery.
- Suitable for installation in apartments, small houses, offices and other premises where there are stringent requirements on the indoor environment.
- High temperature efficiency, low energy consumption (SFP), low sound level, high operating reliability and provides clean indoor air.
- Unique design minimizes all thermal bridges.
- Easy to handle with wireless 4,3" touch-display for operation and monitoring.
- Integrated Modbus communication.
- 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 also be removed for cleaning.
- Incinerable panel filter ISO ePM1 50% as standard, for both exhaust and supply air. The filter is 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 steel sheet, powder coated and insulated. Exterior corrosivity class C4.
- For placement in warm areas, such as laundry, storage or utility rooms
- 50 mm insulation in sides, top, bottom and hatch. 30 mm insulation in the back of the unit.
- Available in either right-hand or left-hand design.
- Heru 100 T 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. An insulated cover is available as accessory to be used when the cooker hood connection is not used.
- Heru 100T and Heru 160T are equipped with wall plug. Heru 200T and Heru 250T are delivered with cable for fixed installation.
- Integrated silencer on the supply air and extract air side.
- 3 years warranty in continuous operation.

NOTE!

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

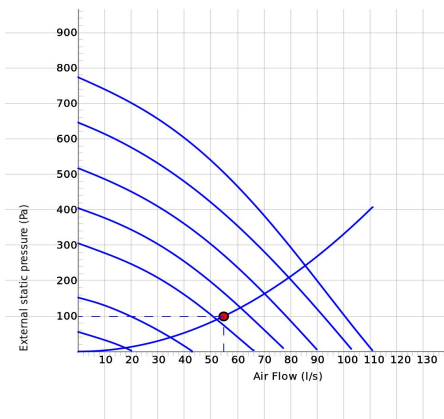
DIAGRAMS



Work Point

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Efficiency (%)	SFP (kW/m ³ /s)	Voltage (V)
55	100	62	2379	0.556	85.9	1.13	6.31

SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k
Supply Lw dB(A)	62	50	56	59	55	45	45	44	31
Extract Lw dB(A)	51	41	45	43	44	43	36	31	15
Surrounding Lw dB(A)	43	32	41	37	27	26	24	26	28
Surrounding Lp dB (A) 3m	36	25	34	30	20	19	17	19	21

Work Point

Air Flow (l/s) 55	External static pressure (Pa) 100	Power (W) 62	Speed (r.p.m.) 2379	Current (A) 0.556	Efficiency (%) 85.9	SFP (kW/m3/s) 1.13	Voltage (V) 6.31
----------------------	---	-----------------	------------------------	----------------------	------------------------	-----------------------	---------------------

TECHNICAL DATA

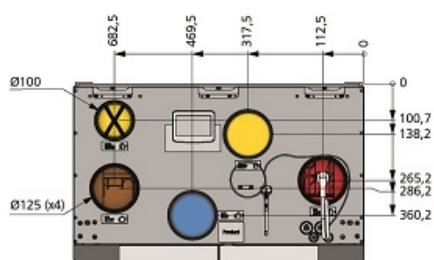
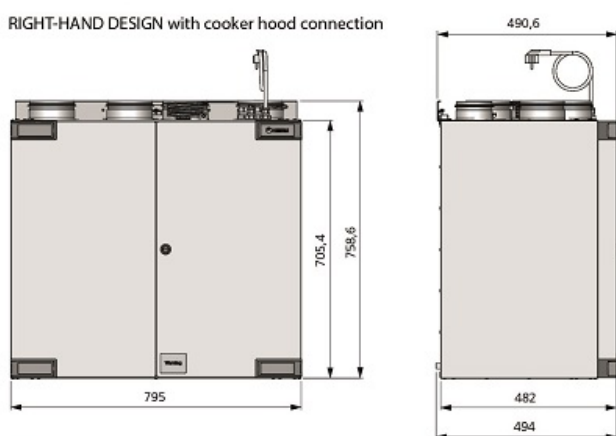
Parameter	HERU 100 T EC-v1 RE 8010779		HERU 100 T EC-v1 LE 8010780	
	Value	Unit	Value	Unit
Voltage	230	V	230	V
Phase	1	~	1	~
Frequency	50	Hz	50	Hz
Power	1420	W	1420	W
Power, fans	203	W	203	W
Power, heater	1200	W	1200	W
Current	7	A	7	A
Current, fans	1.65	A	1.65	A
Current, heater	5.22	A	5.22	A
Speed	3530	r.p.m.	3530	r.p.m.
Sound pressure level at 3 m	38	dB(A)	38	dB(A)
Weight	70	kg	70	kg
Enclosure class	41	IP	41	IP
Duct connection	125	mm	125	mm
Max. flow	110	l/s	110	l/s
Max. pressure	752	Pa	752	Pa
Voltage range	220-240	V	220-240	V

ECODESIGN

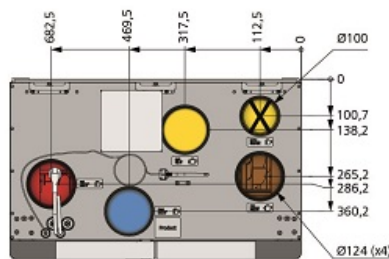
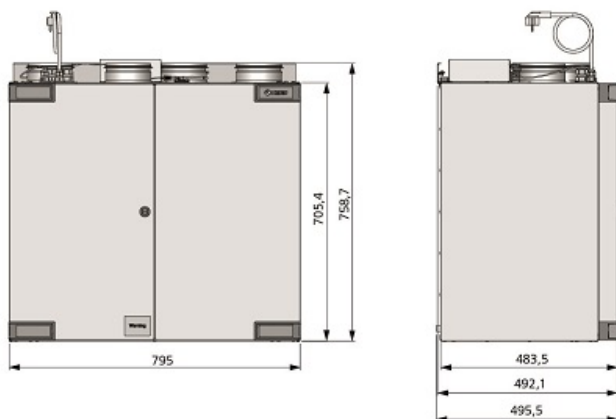
Parameter	Value	Unit
(a) Manufacturer	Östberg	-
(b) Model code	HERU 100 T EC	-
(c) SEC value	-40.3	kWh/m ²
(d) Declared type	RVU / BVU	-
(e) Type of drive	Variable speed drive	-
(f) Type of heat recovery	Regenerative	-
(g) Thermal efficiency	85	%
(h) Max. flow rate (@100Pa)	353	m ³ /h
(i) Power at max. flow rate	202	W
(j) Sound power level	42	dB LwA
(k) Reference flow rate	0.069	m ³ /s
(l) Reference pressure difference	50	Pa
(m) SPI	0.39	W/(m ³ /h)
(n) Type of control	Local demand control	-
(o) External (and internal) leakage rate	3.3 (4)	%
(p) Mixing rate	N/A	-
(q) Visual filter warning	On display	-
(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	249	kWh
(w) AHS average	4618	kWh
AHS warmer	2088	kWh
AHS colder	9034	kWh

DIMENSIONS

RIGHT-HAND DESIGN with cooker hood connection



LEFTHAND DESIGN with cooker hood connection



ACCESSORIES

Electrical accessories



Humidity sensor RH



Carbon dioxide
sensor CO2



Room sensor



Pressure Sensor Kit



Heater Kit Water,
HERU
62/70/90/95/100T,
50/90LP



Freeze protection
sensor



Duct sensor



Damper motor



Relay pump control

Mechanical accessories



Outside wall hood
160



Ceiling Mounting
Plate



Filter Kit HERU
70/100 T



Silencer LDC 125