

HERU 160 T EC



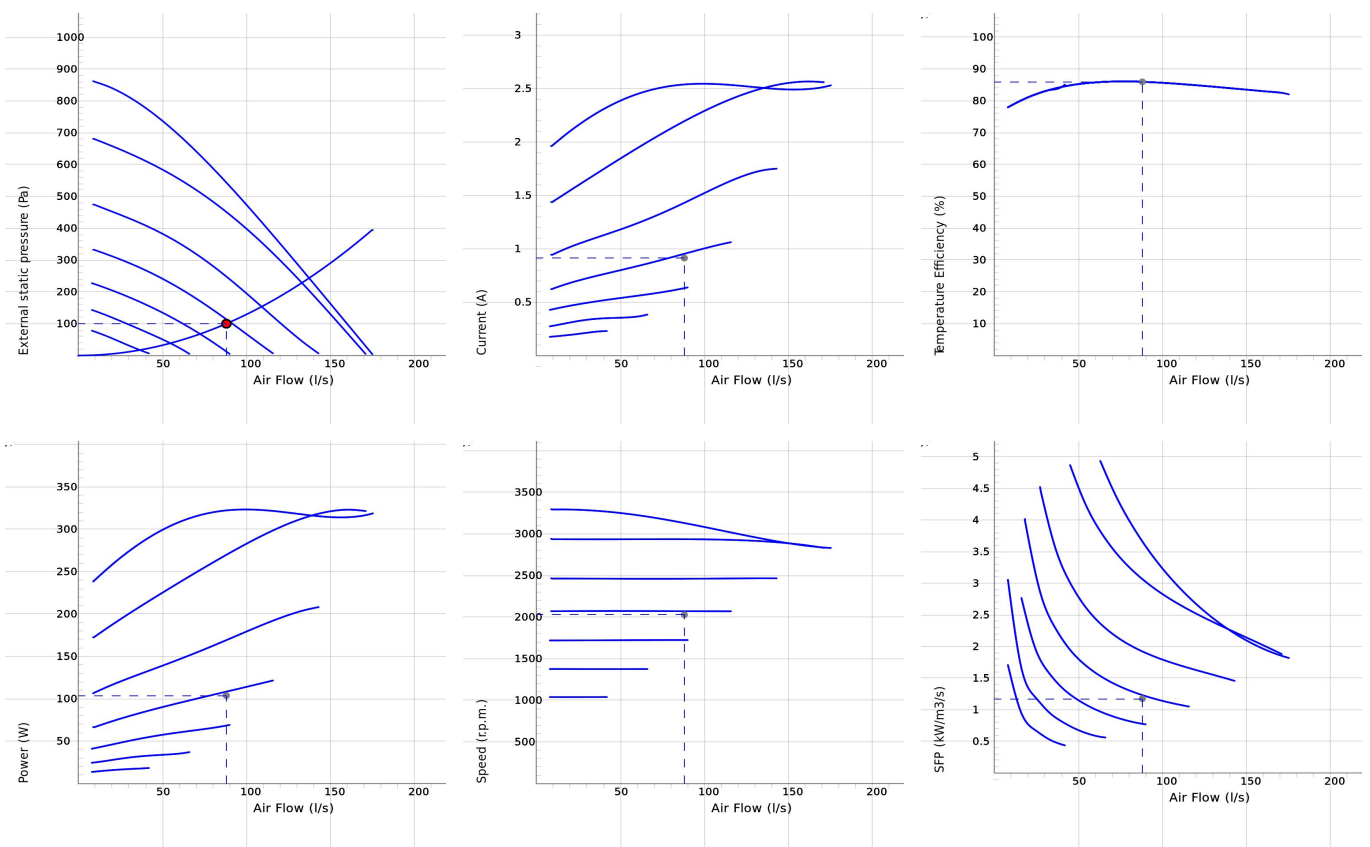
HERU@160 T EC

- 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 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.
- 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.
- Available with or without integrated electric heater.
- The unit is constructed of galvanized steel sheet, partially painted white, and insulated.
- For placement in warm areas, such as laundry, storage or utility rooms.
- Available in either right-hand or left-hand design.
- Equipped with wall plug.
- Integrated silencer on the supply air and extract air side.

NOTE!

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

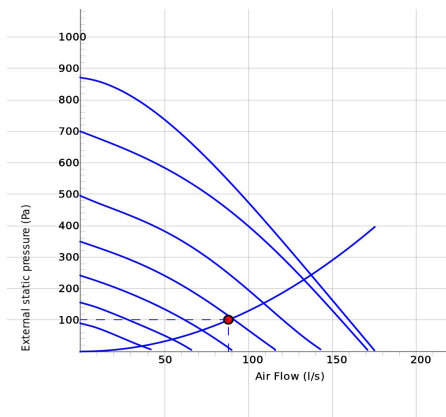
DIAGRAMS



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)
88	100	104	2027	0.912	86	1.17	6.87

SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k
Supply Lw dB(A)	67	59	60	64	57	48	48	41	33
Extract Lw dB(A)	55	49	49	48	50	45	34	28	22
Surrounding Lw dB(A)	47	40	41	43	35	29	26	27	29
Surrounding Lp dB (A) 3m	40	33	34	36	28	22	19	20	22

Work Point

Air Flow (l/s) 88	External static pressure (Pa) 100	Power (W) 104	Speed (r.p.m.) 2027	Current (A) 0.912	Efficiency (%) 86	SFP (kW/m3/s) 1.17	Voltage (V) 6.87
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TECHNICAL DATA

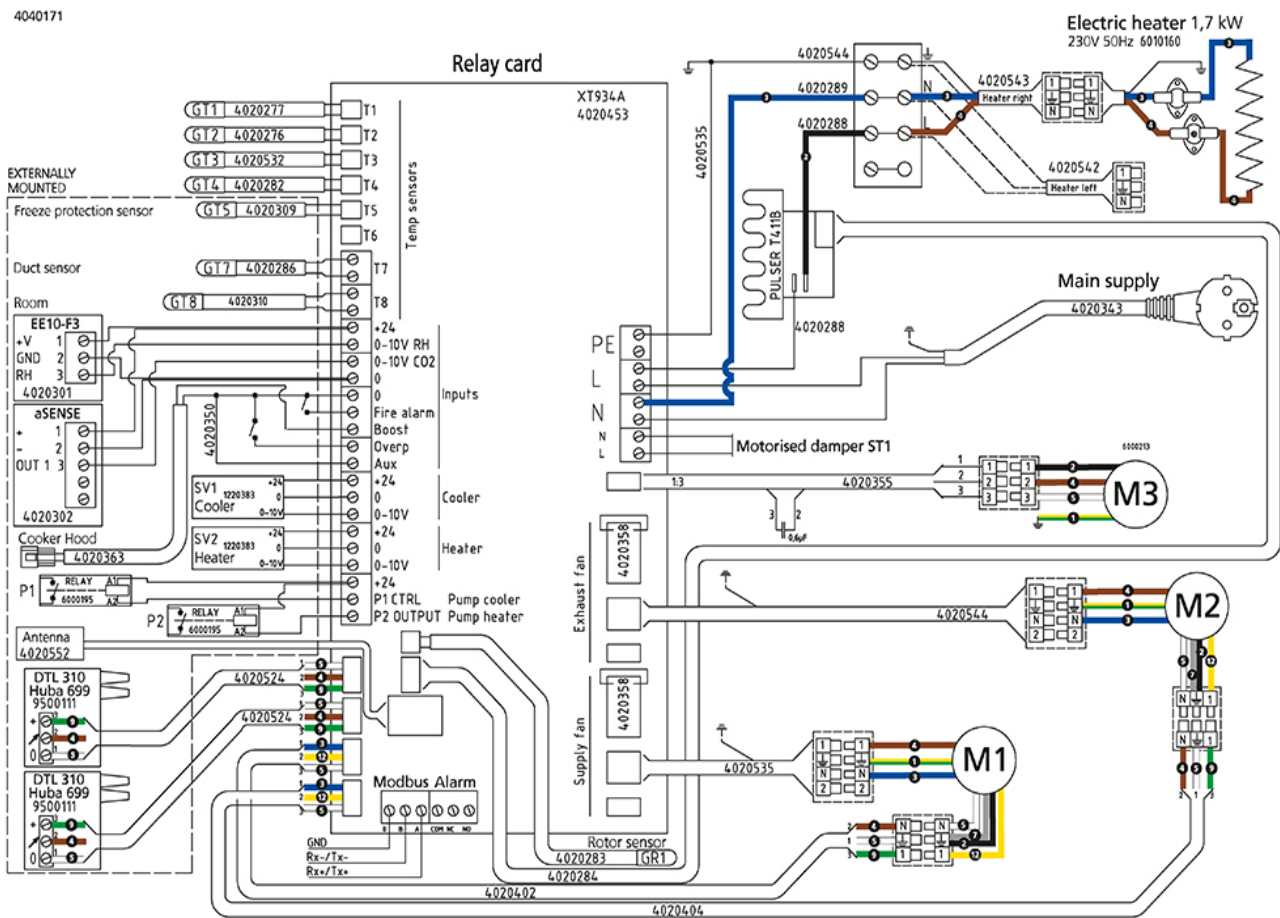
Parameter	HERU 160 T EC AL 1700W 8010370		HERU 160 T EC AL 1700W 8010371		HERU 160 T EC ABC 1700W 8010372		HERU 160 T EC ALC 1700W 8010373		HERU 160 T EC BL 850W 8010381		HERU 160 T EC BR 850W 8010388		HERU 160 T EC CL 8010391		HERU 160 T EC CR 8010390	
	Value	Unit	Value	Unit	Value	Unit	Value	Unit	Value	Unit	Value	Unit	Value	Unit	Value	Unit
Voltage	230	V	230	V	230	V	230	V	230	V	230	V	230	V	230	V
Phase	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-
Frequency	50	Hz	50	Hz	50	Hz	50	Hz	50	Hz	50	Hz	50	Hz	50	Hz
Power	2050	W	2050	W	2050	W	2050	W	1200	W	1200	W	348	W	348	W
Power, fans	321	W	321	W	321	W	321	W	321	W	321	W	321	W	321	W
Power, heater	1700	W	1700	W	1700	W	1700	W	850	W	850	W	0	W	0	W
Current	10	A	10	A	10	A	10	A	6.3	A	6.3	A	2.63	A	2.63	A
Current, fans	2.53	A	2.53	A	2.53	A	2.53	A	2.53	A	2.53	A	2.53	A	2.53	A
Current, heater	7.39	A	7.39	A	7.39	A	7.39	A	3.7	A	3.7	A	0	A	0	A
Speed	3070	r.p.m.	3070	r.p.m.	3070	r.p.m.	3070	r.p.m.	3070	r.p.m.	3070	r.p.m.	3070	r.p.m.	3070	r.p.m.
Sound pressure level at 3 m	45	dB(A)	45	dB(A)	45	dB(A)	45	dB(A)	45	dB(A)	45	dB(A)	45	dB(A)	45	dB(A)
Weight	91.0	kg	91.0	kg	91.0	kg	91.0	kg	91	kg	91	kg	90.0	kg	90.0	kg
Enclosure class	41	IP	41	IP	41	IP	41	IP	41	IP	41	IP	41	IP	41	IP
Duct connection	160	mm	160	mm	160	mm	160	mm	160	mm	160	mm	160	mm	160	mm
Max. flow	176	l/s	176	l/s	176	l/s	176	l/s	176	l/s	176	l/s	176	l/s	176	l/s
Max. pressure	874	Pa	874	Pa	874	Pa	874	Pa	874	Pa	874	Pa	874	Pa	874	Pa
Voltage range	220-240	V	220-240	V	220-240	V	220-240	V	220-240	V	220-240	V	220-240	V	220-240	V

ECODESIGN

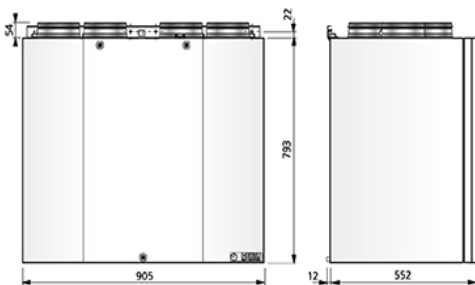
Parameter	Value	Unit
(a) Manufacturer	Östberg	-
(b) Model code	HERU 160 T EC	-
(c) SEC value	-38.83	kWh/m ²
SEC class	A	-
(d) Declared type	RVU / BVU	-
(e) Type of drive	Variable speed drive	-
(f) Type of heat recovery	Regenerative	-
(g) Thermal efficiency	84	%
(h) Max. flow rate (@100Pa)	575	m ³ /h
(i) Power at max. flow rate	314	W
(j) Sound power level	48	dB LwA
(k) Reference flow rate	0.132	m ³ /s
(l) Reference pressure difference	50	Pa
(m) SPI	0.48	W/(m ³ /h)
(n) Type of control	Local demand control	-
(o) External (and internal) leakage rate	2.26 (2.69)	%
(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	302	kWh
(w) AHS average	4599	kWh
AHS warmer	2080	kWh
AHS colder	8997	kWh

WIRING DIAGRAM

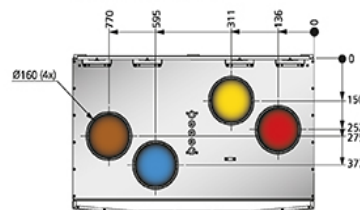
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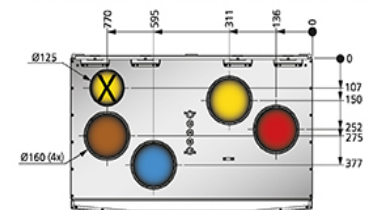
DIMENSIONS



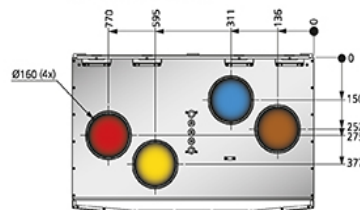
RIGHT-HAND DESIGN



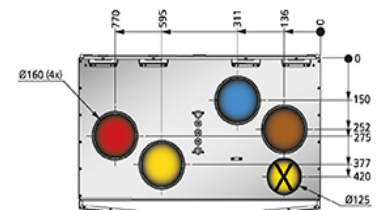
RIGHT-HAND DESIGN with cooker hood connection



LEFT-HAND DESIGN



LEFT-HAND 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

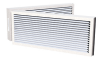
- Aria di immissione
- Aria di estrazione
- Sfiato
- Aria esterna
- Cappa cucina

POLSKI

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

ACCESSORIES

Mechanical accessories



Filter Kit HERU 160 T



HERU 160 T EC floor stand



Silencer LDC 160



Outside wall hood 200

Electrical accessories



Heater Kit Water, HERU 115/140/160 T



Remote control with Modbus



Remote control



Control Kit



Control board



Antenna



Extension cable, antenna



Humidity sensor RH



Carbon dioxide sensor CO2



Room sensor



Duct sensor



Pressure Sensor Kit



Freeze protection sensor



Cooling coil Kit, HERU 115/140/160 T



Damper motor



Relay pump control