

www.ostberg.com

HERU 70 K EC











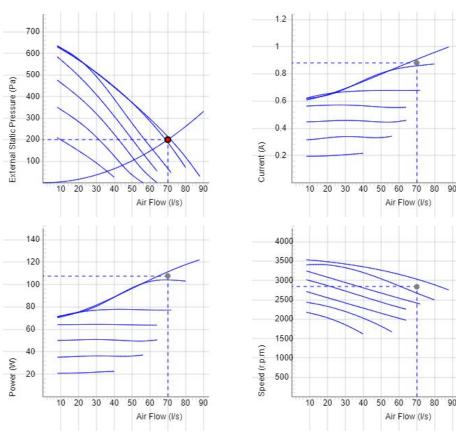
- Energy recovery unit designed mainly for installation above the kitchen stove.
- The HERU Kitchen is equipped with a built-in cooker hood that will get rid of all unwanted smoke, odors and fumes from your kitchen while you are cooking.
- High efficient odor extraction from cooker hood.
- Designed for supply and exhaust air ventilation with energy recovery.
- Suitable for installation in homes and other premises where there are stringent requirements on the indoor environment.
- High temperature efficiency 82%, 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 forward 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 incinerable panel filters ISO ePM1 50% as standard, for both exhaust and supply air. The filter is very easy to change.
- The cooker hood comes equipped with a dishwasher safe grease filter.
- Integrated controls for heating/cooling.
- Equipped with integrated electric heater.
- The unit is constructed from double-layer galvanized steel sheet with insulation in between.
- For placement in warm areas.
- All HERU Kitchen units are equipped with a wall plug.

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



www.ostberg.com

DIAGRAMS - SUPPLY



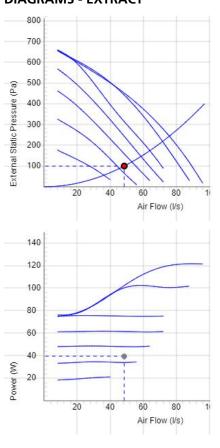
Data - SUPPLY

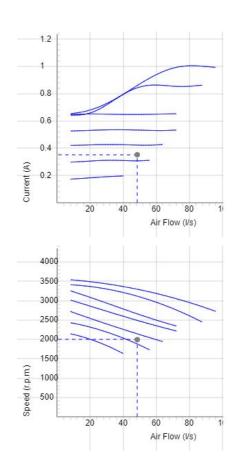
76 257 5.5		Air Flow (I/s) 70	External static pressure (Pa) 200	Power (W) 108	Speed (r.p.m.) 2841	Current (A) 0.881	Voltage (V) 8.9
------------	--	----------------------	--------------------------------------	------------------	------------------------	----------------------	--------------------





DIAGRAMS - EXTRACT





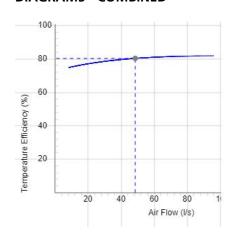
Data - EXTRACT

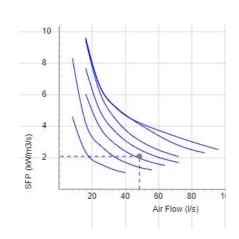
Air Flow (I/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Voltage (V)
48.5	100	39.4	1992	0.352	3.39



www.ostberg.com

DIAGRAMS - COMBINED



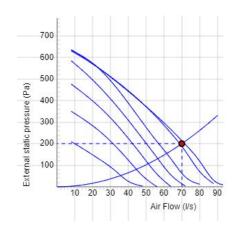


DATA COMBINED

Efficiency (%) 80.4

SFPv (kW/m3/s) 2.11

SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k
Supply Lw dB(A)	77	60	63	68	71	69	70	67	63
Extract Lw dB(A)	63	54	57	58	55	49	44	32	28
Surrounding Lw dB(A)	48	35	39	44	42	36	34	29	28
Surrounding Lp dB (A) 20m² Sabine, hemispherical 3m	41								

Data - SOUND

Air Flow (I/s) 70	External static pressure (Pa) 200	Power (W) 108	Speed (r.p.m.) 2841	Current (A) 0.881	Efficiency (%) 80.4	SFPv (kW/m3/s) 2.11	Voltage (V) 8.9
----------------------	---	------------------	------------------------	----------------------	------------------------	------------------------	--------------------





TECHNICAL DATA

	н	ERU 70 K EC-y ARW 8010813	HE	RU 70 K EC-y ALW 8010814
Parameter	Value	Unit	Value	Unit
Voltage	230	V	230	V
Phase	1	~	1	~
Frequency	50	Hz	50	Hz
Power	1010	W	1010	W
Power, fans	242	W	242	W
Power, heater	750	W	750	W
Current	5.4	А	5.4	А
Current, fans	2.02	А	2.02	А
Current, heater	3.26	А	3.26	А
Speed	3050	r.p.m.	3050	r.p.m.
Sound pressure level at 3 m	41	dB(A)	41	dB(A)
Weight	48	kg	48	kg
Weight (empty casing)	24.8	kg	24.8	kg
Enclosure class	41	IP	41	IP
Duct connection	125	mm	125	mm
Max. flow @ 0Pa	97	l/s	97	l/s
Max. pressure	692	Pa	692	Pa
Voltage range	220-240	V	220-240	V





PRODUCT INFORMATION SHEET

Parameter	Value	Unit
(a) Manufacturer	Östberg	-
(b) Model code	HERU 70 K EC	-
(c) SEC average climate	-37.9	kWh/m²
SEC average climate, class	А	-
SEC warm climate	-13.3	kWh/m²
SEC warm climate, class	Е	-
SEC cold climate	-80.8	kWh/m²
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	80.1	%
(h) Max. flow rate (@100Pa)	322	m³/h
(i) Power at max. flow rate	243	W
(j) Sound power level	44	dB LwA
(k) Reference flow rate	0.057	m³/s
(I) Reference pressure difference	50	Pa
(m) SPI	0.53	W/(m³/h)
(n) Type of control/ctrl factor	Local demand control	-
(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	280	kWh
(w) AHS average	4488	kWh





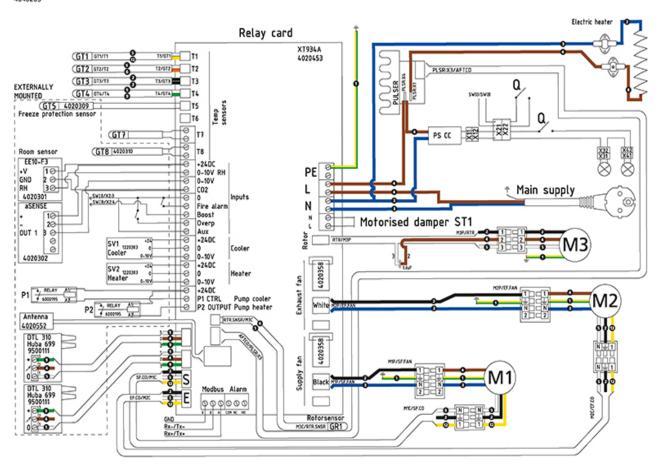
Parameter	Value	Unit	
AHS warmer	2030	kWh	
AHS colder	8781	kWh	





WIRING DIAGRAM

4040203





www.ostberg.com

- M = Fan Motor
- M1) = Fan Motor
- (M2) = Fan Motor
- (M3) = 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



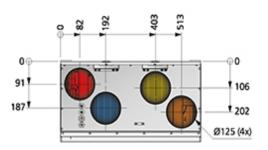


DIMENSIONS

LEFT-HAND DESIGN



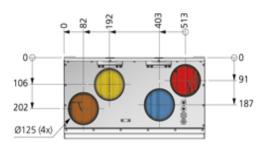




RIGHT-HAND DESIGN









www.ostberg.com

ENGLISH

Supply air

Extract air
Exhaust air
Fresh air

SVENSKA

Tilluft
Frånluft
Avluft

Uteluft

NORSKA

Tilluft
Avtrekk
Avkast

Luftinntak

SUOMI

Tuloilma
O Poistoilma

Jäteilma
Ulkoilma

DEUTSCH

Zuluft
Abluft
Fortluft
Frischluft

POLSKI

Powietrze nawiew
Powietrze wywiew
Powietrze usuwane
powietrze z zewnątrz

ITALIANO

Aria di immissioneAria di estrazione

Sfiato

Aria di esterna



www.ostberg.com

ACCESSORIES

Electrical accessories













Remote control with Humidity/temperatur Carbon dioxide e sensor

sensor CO2

Room sensor

Pressure Sensor Kit Damper motor



Extension cable, antenna

Mechanical accessories













Grease Filter HERU 70K

Filter Kit HERU 70 C/K/T

Front cover HERU 70 Silencer LDC 125

Cover strip HERU K Connection box 70 K



Outside wall hood 125



www.ostberg.com

HERU 90 LP EC





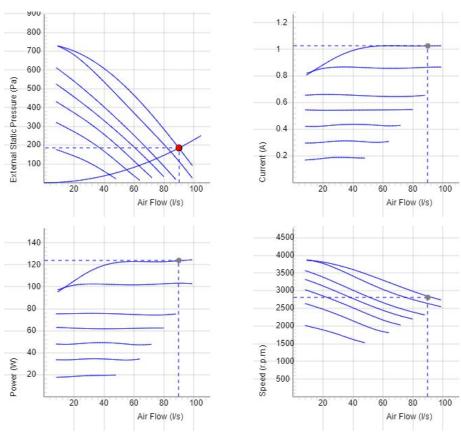
- Energy recovery unit with low profile and side connections.
- Designed for supply and exhaust air ventilation with energy recovery.
- Suitable for installation in homes, offices and other premises where there are stringent requirements on the indoor environment.
- High temperature efficiency 82%, low 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 forward 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 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.
- The unit is constructed of double-layer galvanized steel sheet with insulation in between
- For placement in warm areas. Ideal for mounting in small spaces such as in the ceiling.
- Available in either right-hand or left-hand design.
- Equipped with a connection for a cooker hood. This connection is routed past the rotor to prevent cooking odors from spreading back into the premises.

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



www.ostberg.com

DIAGRAMS - SUPPLY



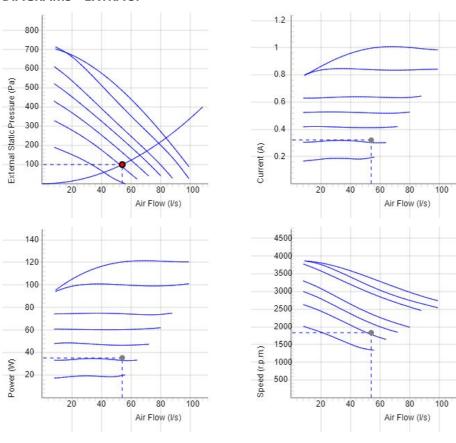
Data - SUPPLY

Air Flow (I/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Voltage (V)
89.9	185	124	2810	1.03	10





DIAGRAMS - EXTRACT



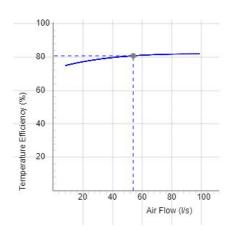
Data - EXTRACT

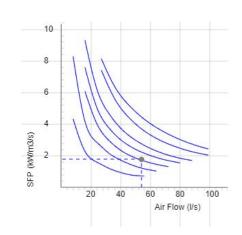
Air Flow (I/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Voltage (V)
54	100	35.4	1839	0.321	3.16



www.ostberg.com

DIAGRAMS - COMBINED



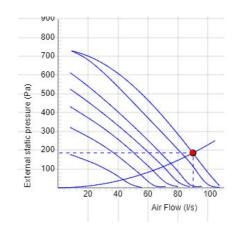


DATA COMBINED

Efficiency (%) 80.7 SFPv (kW/m3/s)

1.77

SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k
Supply Lw dB(A)	78	62	63	71	72	70	72	69	67
Extract Lw dB(A)	58	50	54	53	49	45	45	36	26
Surrounding Lw dB(A)	50	40	45	46	40	35	36	37	34
Surrounding Lp dB (A) 20m² Sabine, hemispherical 3m	43								

Data - SOUND

Air Flow (l/s) 89.9	External static pressure (Pa) 185	Power (W) 124	Speed (r.p.m.) 2810	Current (A) 1.03	Efficiency (%) 80.7	SFPv (kW/m3/s) 1.77	Voltage (V) 10
------------------------	---	------------------	------------------------	---------------------	------------------------	------------------------	-------------------





TECHNICAL DATA

		90 LP EC-y2 ARC 8010815	HER	U 90 LP EC-y2 ALC 8010816
Parameter	Value	Unit	Value	Unit
Voltage	230	V	230	V
Phase	1	~	1	~
Frequency	50	Hz	50	Hz
Power	1170	W	1170	W
Power, fans	251	W	251	W
Power, heater	900	W	900	W
Current	6.07	А	6.07	А
Current, fans	2.06	А	2.06	А
Current, heater	3.91	А	3.91	А
Speed	2720	r.p.m.	2720	r.p.m.
Sound pressure level at 3 m	43	dB(A)	43	dB(A)
Weight	46	kg	46	kg
Enclosure class	41	IP	41	IP
Duct connection	125	mm	125	mm
Max. flow @ OPa	108	l/s	108	l/s
Max. pressure	741	Pa	741	Pa
Voltage range	220-240	V	220-240	V





PRODUCT INFORMATION SHEET

Parameter	Value	Unit
(a) Manufacturer	Östberg	-
(b) Model code	HERU 90 LP EC	-
(c) SEC average climate	-39.3	kWh/m²
SEC average climate, class	A	-
SEC warm climate	-14.6	kWh/m²
SEC warm climate, class	E	-
SEC cold climate	-82.5	kWh/m²
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	81.4	%
(h) Max. flow rate (@100Pa)	353	m³/h
(i) Power at max. flow rate	249	W
(j) Sound power level	45	dB LwA
(k) Reference flow rate	0.069	m³/s
(I) Reference pressure difference	50	Pa
(m) SPI	0.44	W/(m³/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	233	kWh





Parameter	Value	Unit
(w) AHS average	4515	kWh
AHS warmer	2042	kWh
AHS colder	8833	kWh



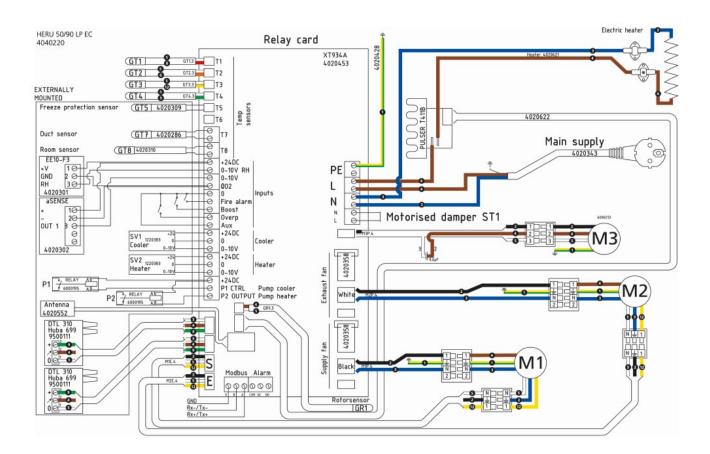
www.ostberg.com

WIRING DIAGRAM

- (M) = Fan Motor
- M1 = Fan Motor
- M2 = Fan Motor
- (M3) = 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
- 2 Yellow



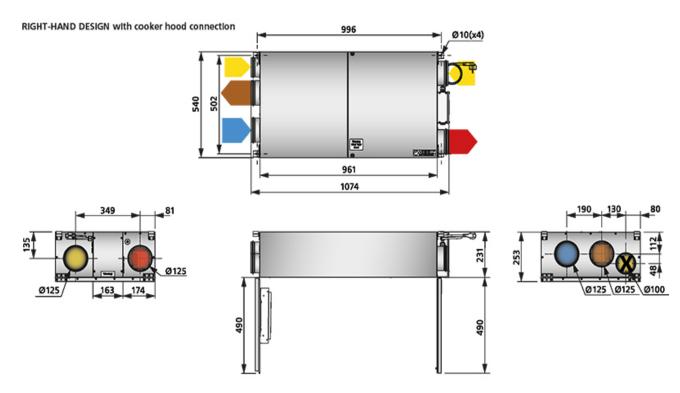






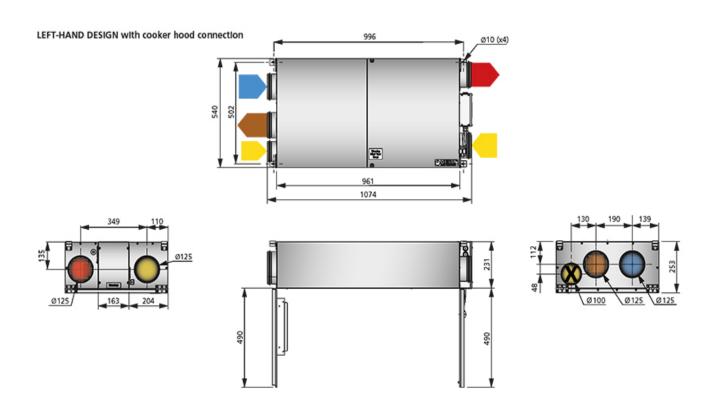


DIMENSIONS





www.ostberg.com





www.ostberg.com

		н

Supply air

O Extract air

Exhaust air

Fresh air
Cooker hood

SVENSKA

Tilluft

Frånluft

Frånluft
Avluft

Avluft Uteluft Spiskåpa

NORSKA

Tilluft
Avtrekk

Avtrekk
Avkast
Luftinntak

SUOMI

Tuloilma
O Poistoilma

Jäteilma
Ulkoilma
Liesituuletin

DEUTSCH

Zuluft

AbluftFortluft

Frischluft Dunstabzugshaube

POLSKI

Powietrze nawiew

Powietrze wywiew
Powietrze usuwane

powietrze z zewnątrzOkapu kuchennego

ITALIANO

Aria di immissione
Aria di estrazione

Sfiato

Aria di esterna



www.ostberg.com

ACCESSORIES

Electrical accessories













Humidity/temperatur Carbon dioxide e sensor



Modbus

sensor CO2



Room sensor



Damper motor

sensor

Relay pump control

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

Freeze protection

Extension cable, antenna

Mechanical accessories

Remote control with Control board







Silencer LDC 125

Filter Kit HERU 50/90 Outside wall hood 125



www.ostberg.com

HERU 100 T EC





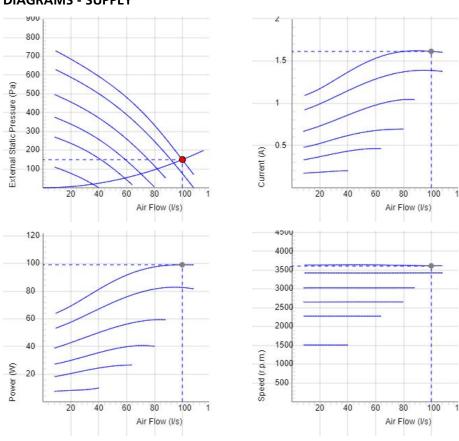
- Wall-mounted model with top connection.
- Designed for supply and exhaust air ventilation with energy recovery.
- Suitable for installation in apartments, small houses, offices and other premises where there are stringent requirements on the indoor environment.
- High temperature efficiency, low energy 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.



www.ostberg.com

DIAGRAMS - SUPPLY



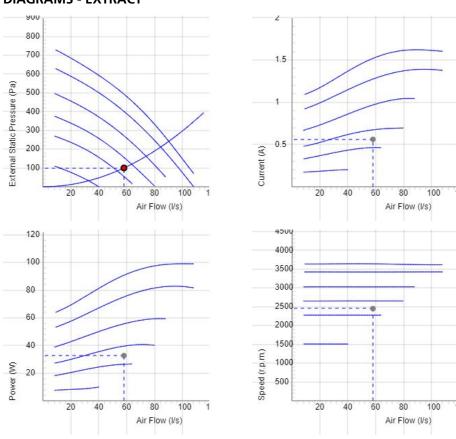
Data - SUPPLY

Air Flow (I/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Voltage (V)
99.8	149	99.1	3612	1.61	10





DIAGRAMS - EXTRACT



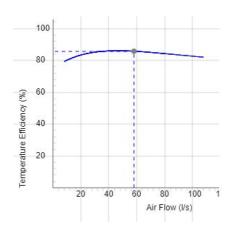
Data - EXTRACT

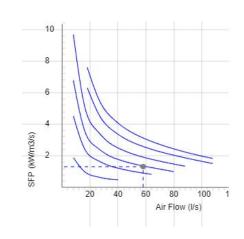
Air Flow (I/s) External static pressure (Pa) Power (W) Speed (r.p.m.) Current (A) 58 100 32.6 2449 0.561	* *		, ,		, ,	Voltage (V) 6.46
--	-----	--	-----	--	-----	---------------------



www.ostberg.com

DIAGRAMS - COMBINED



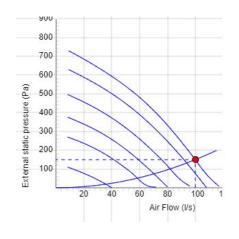


DATA COMBINED

Efficiency (%) 85.8

SFPv (kW/m3/s) 1.32

SOUND DATA



		Tot	63	125	250	500	1k	2k	4k	8k
Supply Lw	dB(A)	73	58	64	68	69	60	63	54	51
Extract Lw	dB(A)	62	45	52	52	59	55	48	44	31
Surroundir	ng Lw dB(A)	49	41	45	43	40	32	31	29	28
Surroundir 20m² Sabine, hemispherical		42								

Data - SOUND

Air Flow (I/s) 99.8	External static pressure (Pa) 149	Power (W) 99.1	Speed (r.p.m.) 3612	Current (A) 1.61	Efficiency (%) 85.8	SFPv (kW/m3/s) 1.32	Voltage (V) 10
------------------------	---	-------------------	------------------------	---------------------	------------------------	------------------------	-------------------





TECHNICAL DATA

	HERU 100 T EC-y1 LE 8010796		HERU 100 T EC-y1 RE 8010795		
Parameter	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	А	6.9	А	
Current, fans	1.60	А	1.60	А	
Current, heater	5.22	А	5.22	А	
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 @ OPa	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/m²
SEC average climate, class	A	-
SEC warm climate	-15.9	kWh/m²
SEC warm climate, class	E	-
SEC cold climate	-84.9	kWh/m²
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	m³/h
(i) Power at max. flow rate	198	W
(j) Sound power level	45	dB LwA
(k) Reference flow rate	0.073	m³/s
(I) Reference pressure difference	50	Pa
(m) SPI	0.37	W/(m³/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





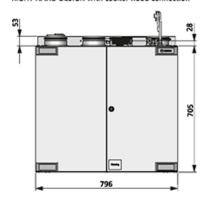
Parameter	Value	Unit
(w) AHS average	4586	kWh
AHS warmer	2074	kWh
AHS colder	8971	kWh



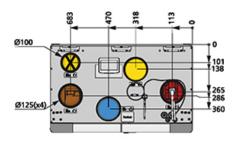


DIMENSIONS

RIGHT-HAND DESIGN with cooker hood connection



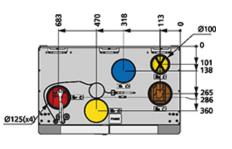




LEFT-HAND DESIGN with cooker hood connection











Okapu kuchennego







ACCESSORIES

Mechanical accessories







Outside wall hood 125

Filter kit HERU 100 T Silencer LDC 125 NextGen

Electrical accessories







Heater Kit Water, HERU 100 T NextGen



Active dock holder



Room sensor



Extension cable, antenna IQC



Duct sensor



Firmware HERU IQC HERU IQ App v1.10



Humidity/temperatur Carbon dioxide e sensor sensor CO2









Pressure control IQC



Damper motor