EVUVENT

Ceiling Type Energy / Heat / High Efficient Heat Recovery Units





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The technical specifications and the performance data declared with this logo have been developed by the tests eneko performed in Eneko Energy Laboratory which is established energylab with the development Project support of Tübitak by regarding relevant standards

Supply and Exhaust Air Fans

The fans in heat recovery units are equipped with innovative Electronically Commutated EC motor technology. EC motors have higher efficiency and simple speed control. Fan blades have high aerodynamic efficient backward curved design. Using the EC motors reduce the energy consumption and increase the energy efficiency of the unit. With EC Fans, maintenance costs are reduced as the fans are directly connected to the motors; the belt and pulley problems are eliminated

Casing & Insulation (EVU-S) High corrosion resistive 200 gr/m² galvanize coated steel is used for the casing. Inside of outdoor air stream is insulated with 10 mm, outside of outdoor air stream is insulated with 5 mm; inside of indoor air stream is insulated with 10 mm non-flammable acoustics foam against sound and thermal conduction.

> Casing & Insulation (EVU-SD) The unit's casina is made up of double skinned high corrosion resistive 200 gr/m² galvanize coated steel. 30 mm thickness and 50kg/m³ density of Rockwool insulation between the walls is used for thermal and sound insulation. Non-flammable EPS modules are used for directing the air flow homogeneously. Density of EPS is 40 kg/m^3 .

• Supply and Exhaust Air Filters

To increase indoor air quality and to protect the equipments used in unit. G class filters (according to ISO 16890 standard) are used for both exhaust and supply air streams. F class filters can be also used optionally in the unit. F class filters reduce the available static pressure of the unit for the nominal air flow rate.

Control System -Plug&Play

ENECON PLUS control unit is developed for controlling of heat recovery units' equipments, meeting the demands coming from the customers and is user-friendly designed. ENECON PLUS is capable of commanding the equipments in standard unit and optional accessories. ENECON PLUS Control unit can be performed the basic functions without any control panel, with Standard Panel can be also used more functional. Besides, the control unit can control the all functions via ModBus and switch on/off via BMS as optional. Alternatives different from ENECON PLUS controller are listed in "Control System" part.

EVU-S/SD 250/500/800/1000/1500/2000 **Ceiling Type Energy Recovery Unit**



By-Pass

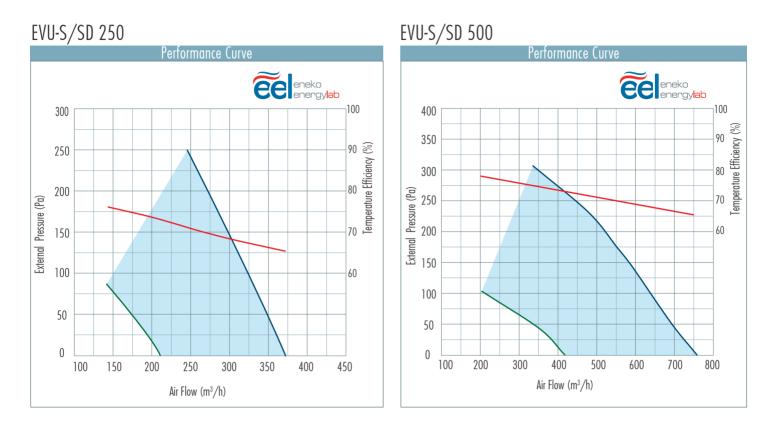
EVU-S/SD units have by-pass ventilation as standard. During by-pass ventilation, no heat transfer occurs between exhaust and fresh air stream. In transition periods and at nights in summer, by-pass module helps to cool down (free-cooling) and heat up (free-heatina) the building without any energy expense.

• Heat Recovery Exchanger (Cellulosic)

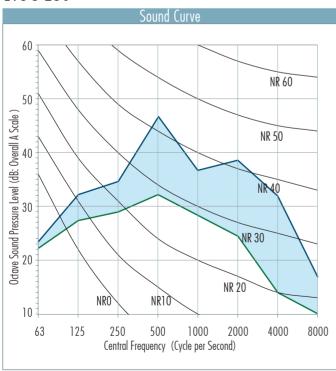
EVU-S/SD heat recovery ventilation units have cellulosic crossflow, high efficient plate heat recovery exchangers. The exchanger transfers sensible heat and moisture between supply and exhaust air. Thus, it is also possible to transfer latent heat. With the optimization of heat exchanger, temperature and humidity efficiency is increased, pressure drop is decreased. Cellulosic Paper Type Crossflow Heat Exchanger prevents decreasing moisture in winter time and increasing moisture in summer time. It helps indoor air quality to be increased.



Performance Data

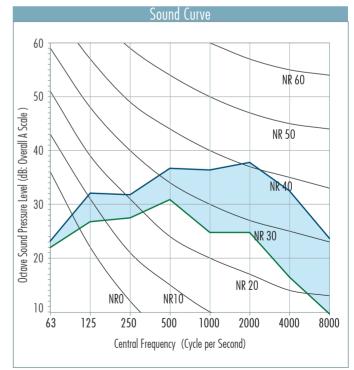


EVU-S 250



*Acoustic test is performed 1.5 meter away from the unit.

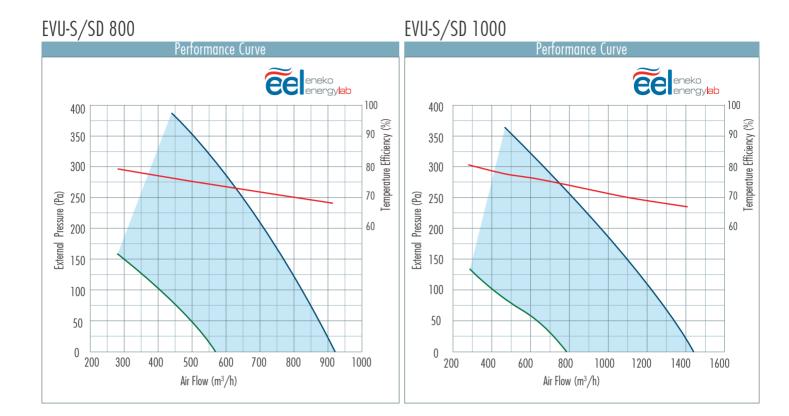
EVU-S 500



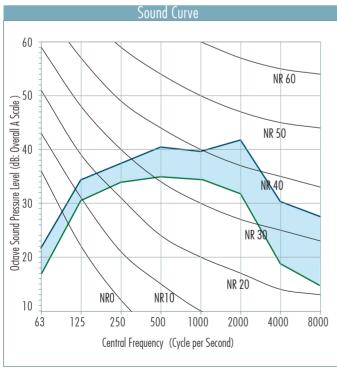
*Acoustic test is performed 1.5 meter away from the unit.



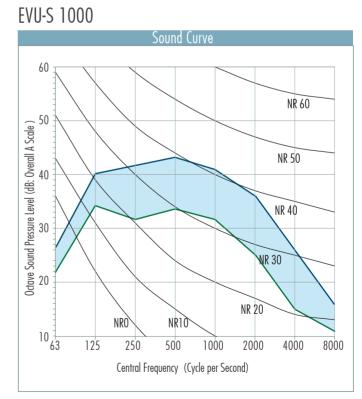
Performance Data



EVU-S 800



*Acoustic test is performed 1.5 meter away from the unit.

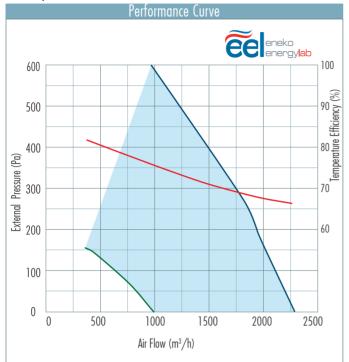


*Acoustic test is performed 1.5 meter away from the unit.

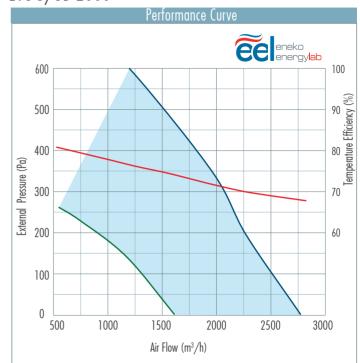


Performance Data

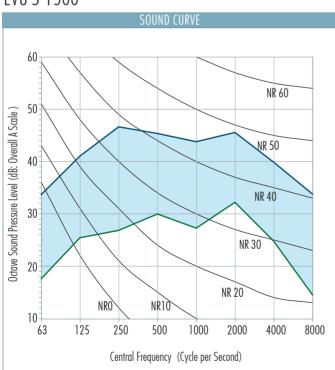
EVU-S/SD 1500



EVU-S/SD 2000

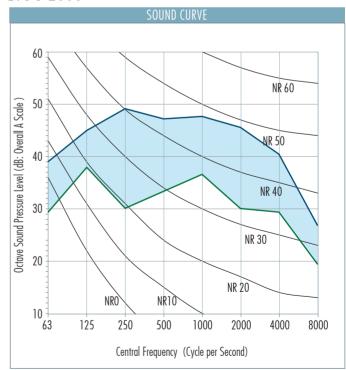


EVU-S 1500



^{*}Acoustic test is performed 1.5 meter away from the unit.

EVU-S 2000



*Acoustic test is performed 1.5 meter away from the unit.

Technical Specifications



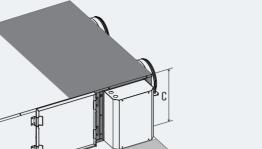
Product Model Identifier		EVU-S/SD 250	EVU-S/SD 500	EVU-S/SD 800	EVU-S/SD 1000	EVU-S/SD 1500	EVU-S/SD 2000
Manufacturer		ENEKO					
Erp				Erp 2	2018		
Declared typology				NRVU	/BVU		
Type of drive				Variable spee	d drive (VSD)		
Type of HRS	%			Oth	ner		
Thermal efficiency of HRS ¹	%	73.0	73.0	73.0	73.0	75.0	74.6
Nominal flow rate	m³/s	0.054	0.107	0.174	0.231	0.306	0.425
Effective electric power input	W	53	107	177	233	361	468
SFPint	$W(m^3/s)$	321	451	577	586	771	732
Face velocity at design flow rate	m/s	0.58	0.72	0.86	0.86	0.99	1.04
Nominal external pressure ($\Delta P_{s,ext}$)	Pa	100	100	100	100	100	100
Internal pressure drop of ventilation components ($\Delta P_{s,int}$)	Pa	62	95	144	149	202	210
Internal pressure drop of non-ventilation components ($\Delta P_{s,add}$)	Pa			N/	A/		
Static efficiency of fans used in accordance with		39	42	50	51	52	57
Regulation (EU) No. 327/2001		57	42	J0	JI	JZ	JI
Declared maximum external leakage rate	%			<	3		
Declared maximum internal leakage rate	%			<	5		
Energy classification of the filters (Energy performance)			Coarse	>40% (Acco	rding to ISO	16890)	
Description of visual filter warning for NRVUs intented		Timer					
for use with filters							
Casing sound power level (LwA)		51/48 52/49 63/59 58/55 59/57 65/62					
Internet adress for pre-/dis-assembly instructions				www.ene	ko.com.tr		

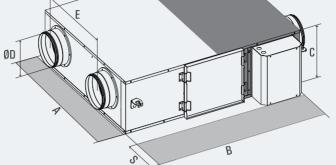
¹ EN 308 condition (OA = 5°C & 72%, RA = 25°C & 28%).



Unit Dimensions

EVU-S/SD Unit Dimensions





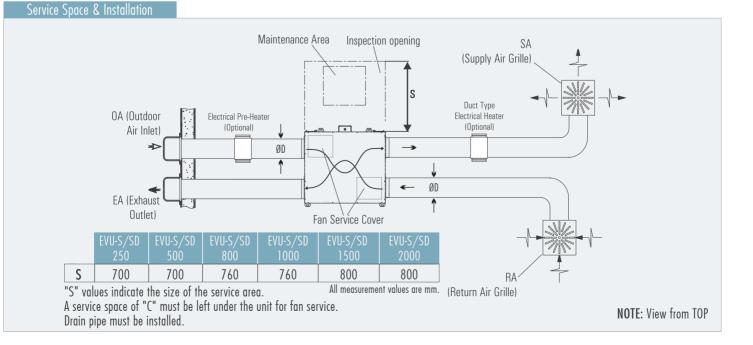
	EVU-S 250	EVU-S 500	EVU-S 800	EVU-S 1000	EVU-S 1500	EVU-S 2000
A	750	922	1014	1294	1128	1428
В	907	1130	1214	1606	1807	1807
C	296	344	410	410	552	552
ØD	Ø160	Ø200	Ø250	Ø300	Ø355	Ø355
E	404	499	589	719	623	921
Unit Weight	34	46	51	79	97	106

*All measurement values are mm. **Unit weight is kg.

AUTODESK REVIT

	EVU-SD 250	EVU-SD 500	EVU-SD 800	EVU-SD 1000	EVU-SD 1500	EVU-SD 2000
А	808	981	1071	1351	1185	1485
В	956	1186	1264	1657	1856	1856
C	358	416	472	472	614	614
ØD	160	200	250	300	355	355
E	404	505	590	720	623	921
Unit Weight	52	83	97	135	164	179

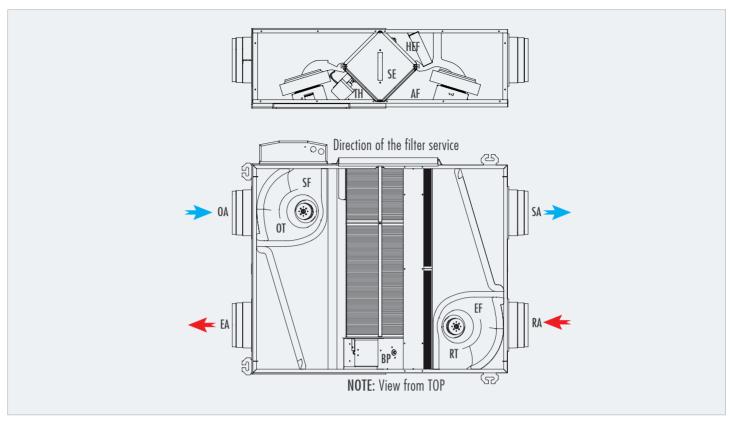
*All measurement values are mm. **Unit weight is kg.



7

Working Principle of Unit





Descriptions:

- SA Supply Air
- RA Return Air

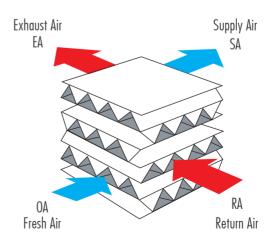
EA - Exhaust Air

OA - Outdoor Air

- BP By-Pass Damper SF - Supply Air Fan OT - Outdoor Air Temperature Sensor EF - Exhaust Air Fan
- RT Return Air Temperature Sensor
- AF Exhaust Air Filter
- SE Cellulosic Exchanger
- TH Fresh Air Filter
- HEF High efficient F class filter (Optional)

- Cellulosic Exchanger

- High Efficiency Sensible & Latent Enthalpy Transfer
- Humidity Transfer
- Up to 20% Reduction in cooling load
- Sound absorbing material



Casing & Insulation (EVU-P)-

High corrosion resistive 200 gr/m² galvanize coated steel is used for the casing. Inside of outdoor air stream is insulated with 10 mm, outside of outdoor air stream is insulated with 5 mm; inside of indoor air stream is insulated with 10 mm non-flammable acoustics foam against sound and thermal conduction.

Casina & Insulation (EVU-PD) -

The unit's casina is made up of double skinned high corrosion resistive 200 ar/m² aalvanize coated steel. 30 mm thickness and 50ka/m³ density of Rockwool insulation between the walls is used for thermal and sound insulation. Non-flammable EPS modules are used for directing the air flow homogeneously. Density of EPS is 40 kg/m³.

By-Pass

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• Supply and Exhaust Air Filters

To increase indoor air quality and to protect the equipments used in unit, G class filters (according to ISO 16890 standard) are used for both exhaust and supply air streams. F class filters can be also used optionally in the unit. F class filters reduce the available static pressure of the unit for the nominal air flow rate.

Control System -Plug&Play -----

ENECON PLUS control unit is developed for controlling of heat recovery units' equipments, meeting the demands coming from the customers and is user-friendly designed. ENECON PLUS is capable of commanding the equipments in standard unit and optional accessories. ENECON PLUS Control unit can be performed the basic functions without any control panel, with Standard Panel can be also used more functional. Besides, the control unit can control the all functions via ModBus and switch on/off via BMS as optional. Alternatives different from ENECON PLUS controller are listed in "Control System" part.

Heat Recovery Exchanger (Aluminum) EVU-P-PD heat recovery ventilation units have aluminum counterflow, high efficient plate heat certification.

EVU-P/PD 250/500/800/1000/1500/2000 **Ceiling Type High Efficient Heat Recovery Unit**



EVU-P/PD units have by-pass ventilation as standard. During by-pass ventilation, no heat transfer occurs between exhaust and fresh air stream. In transition periods and at nights in summer, by-pass module helps to cool down (free-cooling) and heat up (free-heating) the building without

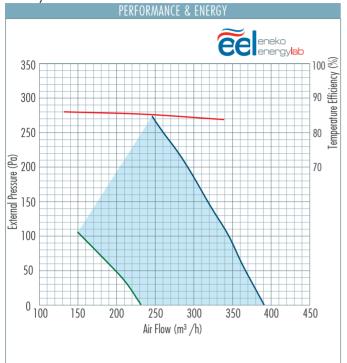
• Supply and Exhaust Air Fans

The fans in heat recovery units are equipped with innovative Electronically Commutated EC motor technology. EC motors have higher efficiency and simple speed control. Fan blades have high aerodynamic efficient backward curved design. Using the EC motors reduce the energy consumption and increase the energy efficiency of the unit. With EC Fans, maintenance costs are reduced as the fans are directly connected to the motors; the belt and pulley problems are eliminated

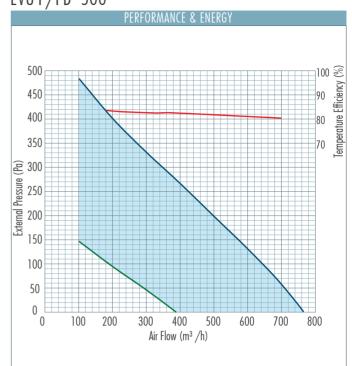
recovery exchangers. Plate heat recovery exchangers have plates that are produced improved surface areas to provide high efficient and leakage free design. With the optimization of exchanger heat transfer is increased and pressure drop is decreased. Heat recovery exchanger has Eurovent



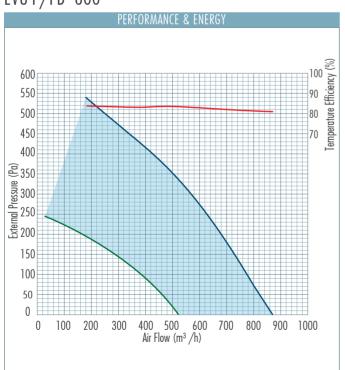
EVU-P/PD 250



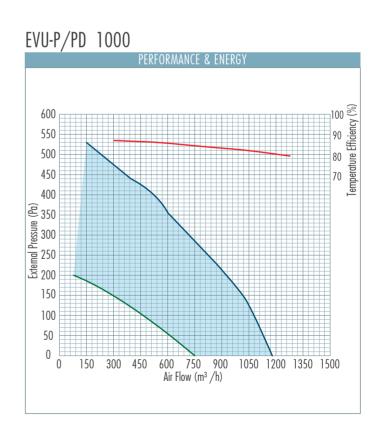
EVU-P/PD 500



EVU-P/PD 800

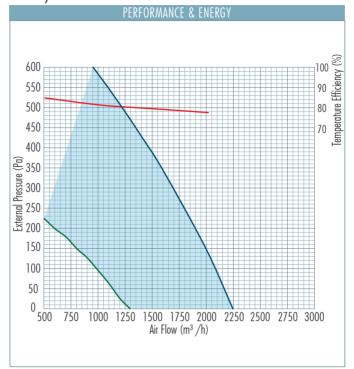


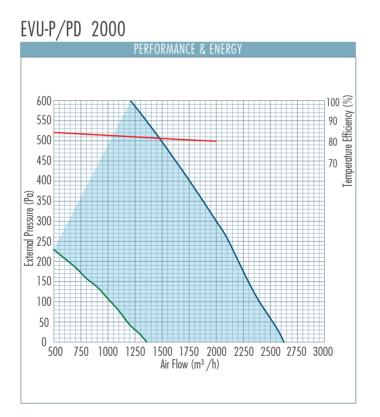
Note: Efficiency values are calculated according to EN 308 standard.





EVU-P/PD 1500





Note: Efficiency values are calculated according to EN 308 standard.



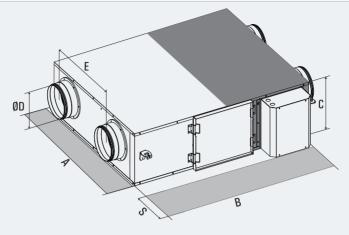
Technical Specifications

Product Model Identifier		EVU-P/PD 250	EVU-P/PD 500	EVU-P/PD 800	EVU-P/PD 1000	EVU-P/PD 1500	EVU-P/PD 2000
Manufacturer		ENEKO					
Erp				Erp 2	2018		
Declared typology				NRVU	/BVU		
Type of drive				Variable spee	d drive (VSD)		
Type of HRS	%			Oth	ner		
Thermal efficiency of HRS ¹	%	83.8	82.2	81.2	81.6	80.0	79.9
Nominal flow rate	m³/s	0.069	0.139	0.222	0.278	0.389	0.528
Effective electric power input	W	71	151	278	270	496	648
SFPint	$W(m^3/s)$	405	584	819	573	900	875
Face velocity at design flow rate	m/s	1.03	1.30	1.54	1.45	1.75	1.79
Nominal external pressure ($\Delta P_{s,ext}$)	Pa	100	100	100	100	100	100
Internal pressure drop of ventilation components ($\Delta P_{s,int}$)	Pa	80	132	206	155	252	258
Internal pressure drop of non-ventilation components ($\Delta P_{s,add}$)	Pa			N/	Ά		
Static efficiency of fans used in accordance with Regulation (EU) No. 327/2001		40	45	50	54	56	59
Declared maximum external leakage rate	%			<	3		
Declared maximum internal leakage rate	%			<	5		
Energy classification of the filters (Energy performance)		Coarse > 40% (According to ISO 16890)					
Description of visual filter warning for NRVUs intented				Tim	er		
for use with filters							
Casing sound power level (LwA)		51/48 52/49 63/59 58/55 59/57 65/62					65/62
Internet adress for pre-/dis-assembly instructions				www.enel	ko.com.tr		

¹ EN 308 condition (OA = 5°C & 72%, RA = 25°C & 28%).

Unit Dimensions



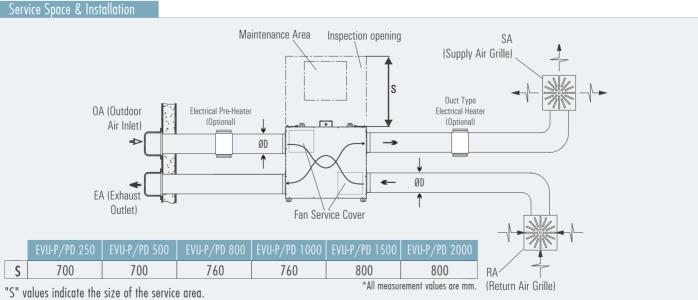


	EVU-P 250	EVU-P 500	EVU-P 800	evu-p 1000	EVU-P 1500	EVU-P 2000
A	760	934	1024	1304	1138	1438
В	1110	1325	1387	1780	1920	1920
C	296	355	400	410	552	552
ØD	160	200	250	300	355	355
E	404	499	589	719	623	921
Unit Weight	45	64	71	113	117	140

*All measurement values are mm. **Unit weight is kg.

	EVU-PD 250	EVU-PD 500	EVU-PD 800	EVU-PD 1000	EVU-PD 1500	EVU-PD 2000
Α	808	981	1071	1351	1185	1485
В	1163	1378	1440	1833	1973	1973
C	355	412	469	469	610	610
ØD	160	200	250	300	355	355
E	404	500	590	720	625	920
Unit Weight	59	84	95	145	156	184

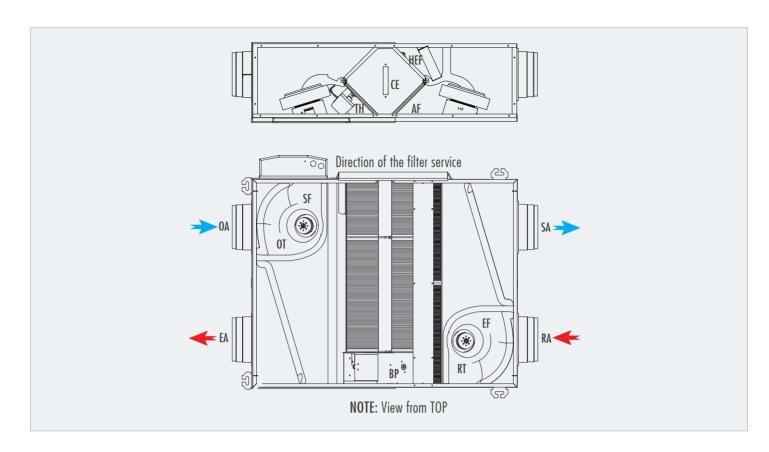
*All measurement values are mm. **Unit weight is kg.



A service space of "C" must be left under the unit for fan service. Drain pipe must be installed.

NOTE: View from TOP

Working Principle of Unit



Descriptions:

www.eneko.com.tr

- SA Supply Air
- RA Return Air
- EA Exhaust Air
- OA Outdoor Air

- BP By-Pass Damper
- SF Supply Air Fan
- OT Outdoor Air Temperature Sensor
- EF Exhaust Air Fan

- RT Return Air Temperature Sensor
- AF Exhaust Air Filter
- CE Aluminium Exchanger (Counter-Flow)
- TH Fresh Air Filter
- HEF High efficient F class filter (Optional)



Automati	on Options	Control Cards							
Standard	Ontional	Ctandard	Altern	ative 1	Alternative 2				
Sialiaala	Optional	Standard	Type 1	Type 2	Type 1	Type 2			
OA Temperature Sensor		S	S	S	S	S			
RA Temperature Sensor		\odot	Ø	\odot	\odot	\odot			
SA Fan Control		S	S	S	S	S			
RA Fan Control		S	S	S	S	S			
ByPass Damper		S	S	S	S	S			
Filter Contamination Info (Time)		S	S	S	S	\odot			
Modbus RTU		S	Ø	S	S	\odot			
Weekly Timer		S	Ø	S	S	I I I I I I I I I I I I I I I I I I I			
· ·	On/Off Damper Control	\odot	- Č	Ø	Ö				
	Proportional Damper Control	\otimes	Ø	\odot	\odot	Ś			
	Airflow Control	\otimes							
	Humidity Control								
	CO2 Control								
	SA Temperature Sensor	\odot	\odot	\odot	\odot	Ś			
	On/Off Heating Coil	\odot	Ø	\odot	\odot	Ś			
	Proportional Heating Coil	\odot	Ø	\odot	\odot	Ś			
	On/Off Cooling Coil	\odot	Ø	\odot	\odot	Ś			
	Proportional Cooling Coil Electrical Pre-Heater	S	Ø	\odot	S	Ø			
	Electrical Pre-Heater	S	Ø	S	S	S			
	Electrical After-Heater	S	S	S	S	Ø			
	BacNET	\otimes	S	\odot	S	S			
	Web Browser (TCP/IP)	\otimes	S	S	S	S			
	Filter Contamination Info (DPS)	\otimes	\odot	S	S	S			

Filter Contamination Info (DPS) Only one of them the defined functions is selectable for this control card.

 \bigtriangleup The optional features in the table vary according to the product.

	(Control Panel	Control Cards					
Panel Type		Panel Descriptions	Standard	Alterno			ative 2	
			Juliuulu	Type 1	Type 2	Type 1	Type 2	
Watter	Standard	Wall-mounted type Max:30 m communication ability	S	\otimes	\otimes	\otimes	\otimes	
+		Wall-mounted type hand panel, IP 30 protection class, Max:100 m communication ability	\otimes	\bigotimes	\otimes	\otimes	\otimes	
	Wall-mounted type hand par IP 30 protection class, Max:100 m communication a		\otimes	\otimes	S	\otimes	\otimes	
8- 		Magnet type, IP 31 protection class, Max:700 m communication ability	\otimes	\otimes	\otimes	\bigotimes	S	
	Alternative-2.2	Hand Panel 1: Wall-mounted type, IP 65 protection class for only front side of panel, Max:50 m communication ability Hand Panel 2: Magnet type, IP 65 protection class for whole panel, Max:50 m communication ability	8	8	8	Ś	S	



Unit Model EVU-S/SD/P/PD	Unit Voltage (V)	Unit Power Input (kW)	Current (A)	Fuse (A)	Cable Cross-Section(mm²) for 50M and PF=0.8
250	230	0.138	0.94	1.00	1.5
500	230	0.248	1.78	2.00	1.5
800	230	0.330	2.58	3.15	1.5
1000	230	0.360	2.98	4.00	1.5
1500	230	1.040	4.58	5.00	2.5
2000	230	1.040	4.58	5.00	2.5

- Selection of Electrical Cable Cross-Section

The data in the table shows the maximum power/current values. Please check unit label for updated values.

Cable Cross-Section Formulas

 $\label{eq:constraint} \begin{array}{l} 1 \\ I_{current} = \displaystyle \frac{P}{U.CosQ} \\ I_{cable} > I_{current} \\ \begin{array}{l} 2 \\ \% e = \displaystyle \frac{100.P.L}{k.S.U^2} \ , \quad S = \displaystyle \frac{100.P.L}{k.\% e.U^2} \\ \% e = \% 3 \\ \begin{array}{l} 3 \\ I_{cable} > \ I_{fuse} \geq I_{current} \\ \end{array} \\ \begin{array}{l} Cable \ Cross-Section \ S = Max \ (S1, S2, S3, 1.5mm^2) \end{array} \end{array}$

P : Power

I : Current

U : Voltage

S : Conductor cross section

k : Conductor coefficient

L : Conductor length

%e: The voltage drop

Example of Cable Cross-Section Calculation

P :1 kW	L : 50m
U :230V	%e :%3
PF: CosQ : 0.8	k :56m/Ω

1

 $I_{current} = \frac{1000 \text{ W}}{230.0,8} = 5.43 \text{ A}$

The cable will be used, is selected from the cable cross-section table so that the equivalent ampere value in the table should be higher than calculated "I $_{\rm current}$ " value.

$$S1 = 1.5 \text{ mm}^{-1}$$

2

%e = %3

$$S = \frac{100.1000.50}{56.3.230^2} = 0.56 \text{ mm}^2$$

 $S2 \ge 0.56 \text{ mm}^2 \ge 0.75 \text{ mm}^2$

 $S2 = 0.75 \text{ mm}^2$

3

$$\label{eq:lcurrent} \begin{split} I_{cable} > I_{fuse} \ge I_{current} \\ I_{cable} > 10A \ge 5.43A \\ ``I_{fuse}'' which will be higher than ``I_current'', is selected. \end{split}$$

The cable will be used, is selected from the cable cross-section table so that the equivalent ampere value in the table should be higher than selected "I $_{\rm fuse}$ " value.

 $I_{cable} = 24A$

 $S3 = 1.5 \text{ mm}^2$

Cable cross-section S = Max (S1, S2, S3, 1.5 mm²)

S = Max (1.5, 0.75, 1.5, 1.5) S = 1.5 mm²



Electric Heaters



Electric heaters are optionally supplied in cold climates for supply air and in extreme climates for both supply and outdoor air sides against freezing. Electric heaters are manufactured according to circular or rectangular duct systems.

Standard types are produced of stainless steel heating elements and galvanized metal casing. Stainless steel casing is also available. Electric heaters are equipped with two circuit cutting thermostats. Factory setting for the automatically operating one is 70 °C and for the manual operating 110 °C.

Electric heaters capacity can be controlled up to 3 steps with control panel according to the set temperature from the room control panel and room (or supply air) temperature. Speed controls shall not be used with Electric heater installations. Eneko electric heaters are connected in Delta connection in standard models.

Heating Capacity Calculation

 $Q = 0,33x V x (T_2 - T_1)$

Q : Heating Capacity (W)

V $\,$: Air Flow through electric heater (m³/h) $\,$

 $\rm T_{\rm l}$: Air temperature before the heater (°C)

 $\rm T_{_2}$: Air temperature after the heater (°C)

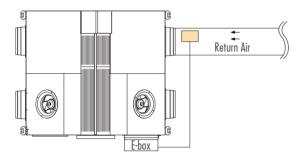
	Electrical Heater Capacity							
Unit /	Unit Model		Capacity (Pre-Heater) (kW) (Outdoor air between 0°C and -5°C)	Capacity (Pre-Heater) (kW) (Outdoor air between -5°C and -15°C)	Capacity (After-Heater) (kW) (Heating the supply air to 25°C)			
	250	160	1	1.5	-			
	500	200	1	3	-			
	800	250	1.5	4.5	-			
EVU-S/SD	1000	300	2	6	-			
	1500	355	4	10	-			
	2000	355	4	10	-			
	250	160	1	1.5	1			
	500	200	1	3	2			
רעון מע	800	250	1.5	4.5	3			
EVU-P/PD	1000	300	2	6	4			
	1500	355	4	10	6			
	2000	355	4	12	8			

*Except this application about electic heaters, please contact us.



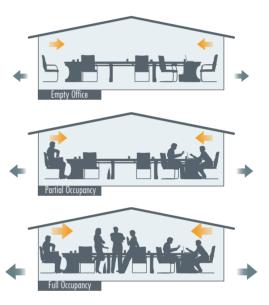
- Ventilation on Demand

Air Quality Sensor (CO_2 / Humidity) is mounted to the return air duct and is connected to control system of unit. The set point for the desired indoor air quality is set during the installation. According to the demand indoors, EVUVENT units are modulated automatically by the sensor. Annual energy consumption of the unit is reduced as a result of the modulation, ending in reduction in energy costs.



Fresh air demand in a space is calculated according to human occupancy and/or physical properties of the conditioned space. The calculation is based on the maximum indoor occupancy. In practice maximum occupany is observed for only a small period of time annually where lower air flow rates will be sufficient for most of the year. By reducing the air flow rate according to the fresh air demand; it is possible to reduce units electrical consumption and reduce also energy consumption used to condition the space. It should be noted that by increasing fresh air rate, indoors heating/cooling demand will also be increased.

With the help of control panel, it is possible to regulate fresh air rate according to the demand indoors. Eneko Indoor air quality sensor (CO_2 /Humidity) sensor is mounted to the return duct or the conditioned space and the demanded condition is set. A 0-10 V signal will be created and EVUVENT unit's air flow will be regulated according to the signal.

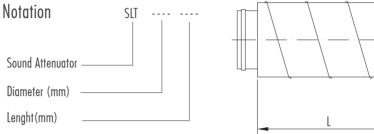


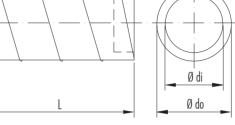
www.eneko.com.tr

- Sound Attenuator For Circular Ducts



Sound attenuators are designed for standard duct dimensions. Various lenghts are available accoring to attenuation demand. Sound attenuation capacities are given in the table.For better performance sound attenuators can be used in series. For the best result the sound attenuators shall be installed just after the unit.





Sound Attenuator Capacity [dB]

			/ -	-					
SLT	63	125	250	500	1k	2k	4k	8k	
200-300 200-600	1 2 2	2 3	3 6 7	6 7	10 13	14 17	12 18	14 20	
200-900	3	4	7	10	16	18	21	22	
250-300 250-600 250-900	1 2 3	2 3 4	6 7 9	6 7 8	13 18 21	16 21 24	14 20 21	15 22 23	
300-300 300-600 300-900	1 1 2	2 3 4	4 6 7	4 7 8	10 13 15	12 15 17	12 17 18	15 19 21	
355-600 355-900	1 4	3 4	8 13	8 13	9 11	6 7	5 6	7 8	

Sound Attenuator Dimensions [mm]

SLT	length (L)	Ø di	Ø do			
200-300	300	200	260			
200-600	600	200	260			
200-900	900	200	260			
250-300	300	250	310			
250-600	600	250	310			
250-900	900	250	310			
300-300	300	300	360			
300-600	600	300	360			
300-900	900	300	360			
355-600	600	355	415			
355-900	900	355	415			

= Final Filter (F Class - Optional)



F class filters are optionally available for EVUVENT units. Additional pressure drop due to final filters are indicated on the diagrams. To reduce initial and operational pressure drop innovative pleated type filters are used to increase filtration surface. Units' maximum air flow is reduced due to filter pressure drop.



General Terms and Conditions of Sale



GENERAL

The sale of all Products of ENEKO shall exclusively be made on the basis of these General Terms and Conditions of Sales. Any other conditions and General Conditions of Purchase of the Buyer are not accepted.



OFFFRS

Our offers are non-binding and without obligation. Contracts for delivery and all other agreements (including subsidiary agreements) as well as declarations of our representatives shall only become legally binding for us after written confirmation. We do not render planning service. Proposals made and information provided by our representatives shall be non-binding. Illustrations, drawings, dimensions and weights or other performance data shall only be binding if this is expressly agreed in writing.



TERMS OF ORDER

Purchase orders shall be sent to ENEKO in written form and shall be non-binding unless they are accepted by written confirmation (order confirmation) from ENEKO. Each order shall include properly identified Products ordered and relevant shipping dates.



PRICE OF THE GOODS

Prices are net Ex Works according to current Incoterms unless stated otherwise and do not include any kind of taxes. Prices are valid at the date of delivery will be applied. We reserve the right to adjust prices for confirmed orders as well to reflect any increase in our costs for any reason beyond our control like force majeure, shortage of primary material or labor strikes, official orders, transportation or similar problems. In this case, a new price agreement shall be required for higher rates. If such an agreement is not made, we shall be entitled to withdraw from the contract by written notice within 15 days.



TERMS OF PAYMENT

Payments shall be carried out according to the contractual terms as defined and set forth in the order confirmation. If the payment conditions have not been agreed upon conclusion of the contract, the payment terms and payment dates specified in our invoices shall be binding. Deadlines for discounts and periods allowed for payment shall begin to run upon receipt of the invoice. Payments by draft, bills of Exchange or anyway extended payments shall mean neither credit novation, nor prejudice to the Retention of Title agreement, nor to territorial competence. If buyer fails to make payment by due date, we are entitled to charge the buyer with a relevant interest on the unpaid amount.



TERMS OF DELIVERY

Delivery time information is only approximate. We shall only be in default if the performance is due and a written demand for payment was issued. Delivery day is the day of dispatch Ex Works. We shall also not be liable with regard to bindingly agreed periods and dates in the event of delays an delivery and of performance due to force majeure and events which considerably complicate or make delivery impossible not only temporarily-strike lockout, breakdown, delay in supply with important raw and auxiliary materials even if the delay occurs at our supplier, in particular. These delays entitle us to postpone delivery for the period of the impediment plus a reasonable start-up period or to withdraw from the contract as a whole or in part. If delivery time is extended or we are released from our delivery commitment, the buyer may not derive a claim for damages from it. However, we may only rely on the circumstances mentioned if we notify the buyer immediately. We shall be entitled to make part deliveries. Any part delivery shall be considered as independent transaction. In case of default, our liability is limited to contract-typical foreseeable damage.

General Terms and Conditions of Sale





SHIPMENT

Shipment is made for the buyer's account. Mode of shipment and shipping route, transport and packaging and other securities respectively shall be at our choice. We shall be entitled, however, not obliged to insure deliveries in the name and for account of the buyer. Risk passes to the buyer when shipment is handed over to the person performing the transport or left our Works for shipment. If shipment is delayed upon buyer's request, risk passes to the buyer with the ready for shipment note. If ordered goods are rejected after the ready for shipment note, we shall be entitled to request payment and store the goods at buyer's expense. Discharge of the goods is made at buyer's expense.



RETENTION OF TITLE

In any event ENEKO shall retain full ownership of all materials supplied whilst the payment conditions of the entire amount have not been complied with, said materials may be removed from the customer at our request. Should the customer be declared bankrupt or insolvent and has not made paid the entire amount of payments. ENEKO shall be entitled to recover the goods. ENEKO may interrupt the supply without incurring any liability whatsoever if he had notice of or became aware of a decrease in the creditworthiness of the purchaser or if any of the existing negotiable instruments or debts were not properly complied with, shall result as being unpaid and protested.



WARRANTY

ENEKO Products are under warranty (defect in material or workmanship) for 2 years from the date of sale reflected on the invoice. Under this warranty, ENEKO is under the obligation to replace the part requested under warranty.

- The followings are excluded from ENEKO warranty:
- Normal wear and tear
- Defective assembly or handling
- Third party compensation

Parts the subject of a claim shall be sent to our warehouse as carriage paid with relevant report completely filled in, wherein the parts shall be subjected to analysis.



HABILITY

ENEKO, for any losses/damages, shall only be responsible within the limits of the law.Owing to basic obligations undertaken by simple negligence, if the contract is violated, ENEKO's liability shall be limited to compensate for losses which are emerged specific and predictable. ENEKO shall not carry any responsibility in case of a single negligence in breach of non-essential contractual obligations.



PROPERTY RIGHTS

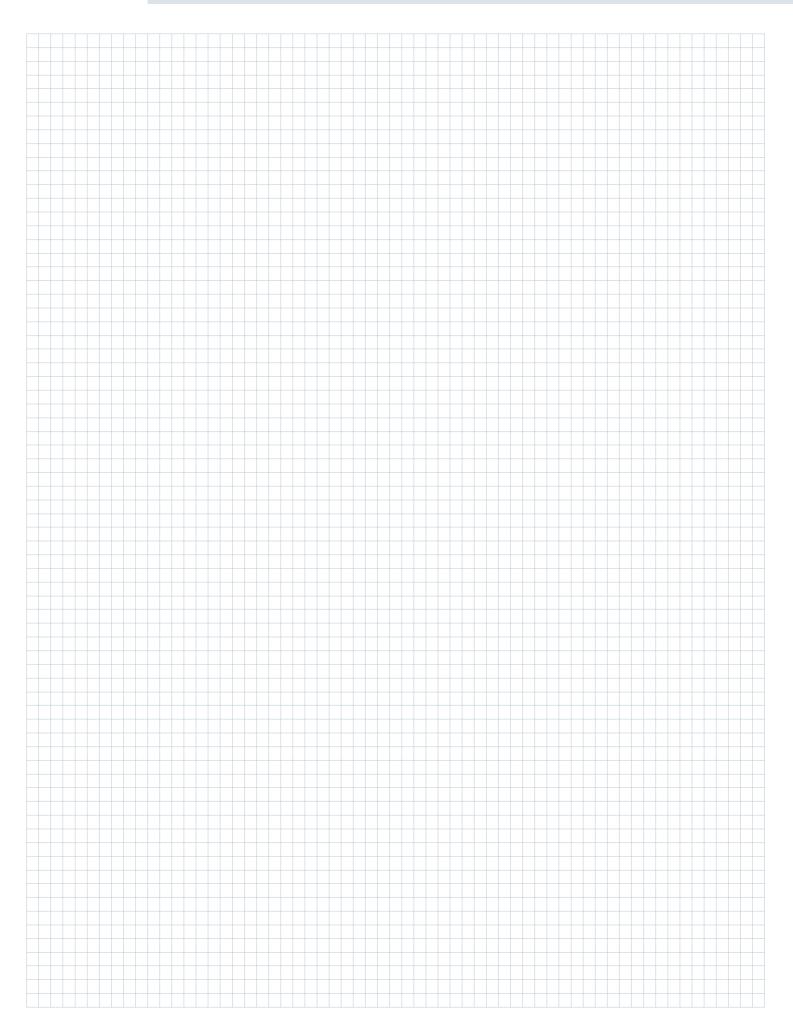
The purchaser in no event and under no circumstances whatsoever shall publish or use the trademark, trade name or loao of ENEKO without a prior written permission.



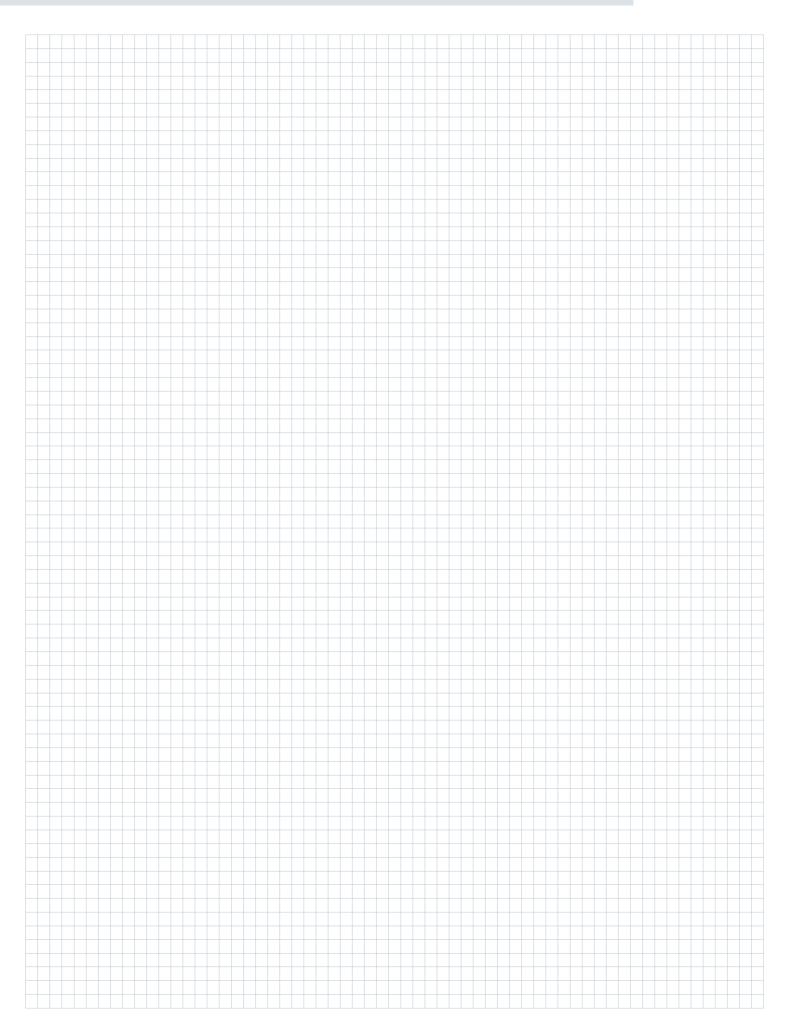
GOVERNING LAW AND JURISDICTION

This agreement shall be governed with all aspects of the Turkish Law. The courts of Izmir/Turkey shall have an exclusive jurisdiction to adjudicate any dispute arising under or in connection with this agreement.

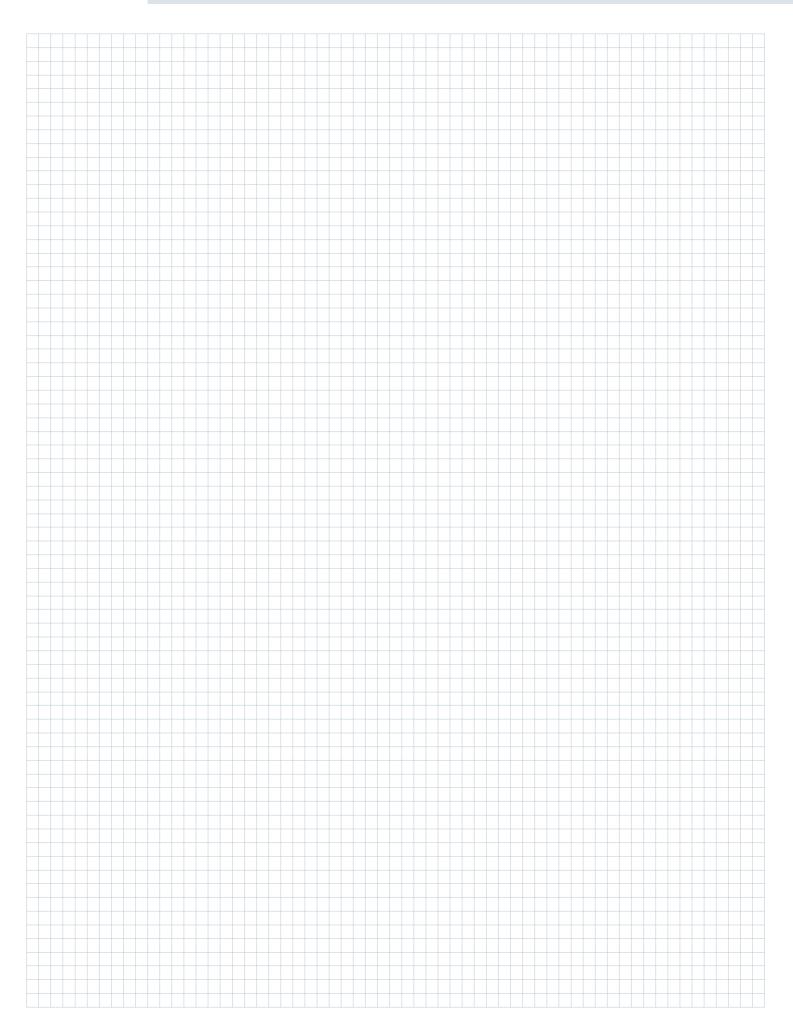












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