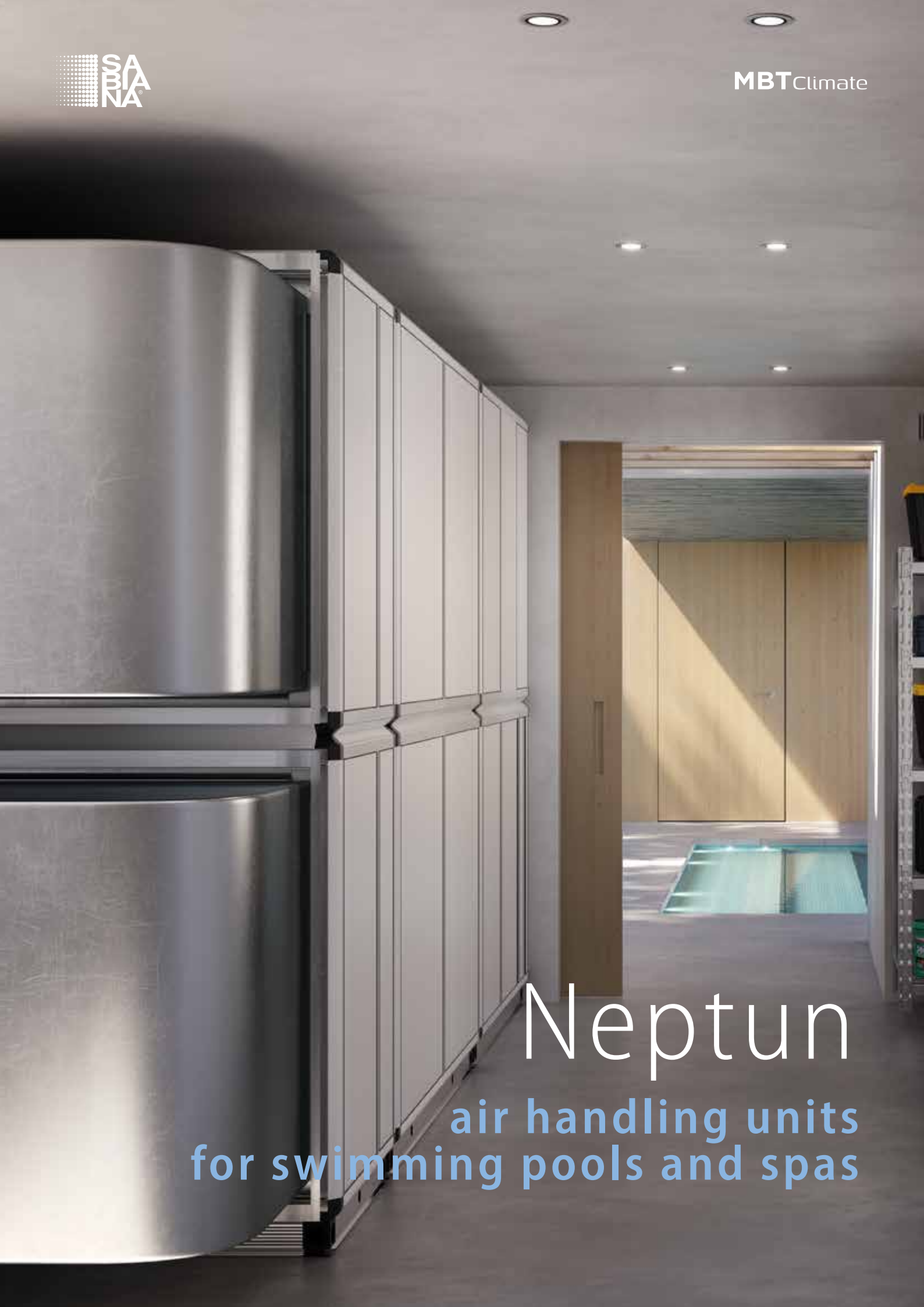




Neptun

air handling units
for swimming pools and spas





Neptun

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Why choose Sabiana :

- high quality components
- care for finishes
- protection of components against corrosion
- high level control
- remote control included with Cloud access
- reliable performance
- experience and consultancy

**What is more, Neptun units are certified
EUROVENT**



The fact that swimming, both at amateur and sports, school or therapeutic levels is increasingly widespread, has led, in recent years, to the considerable spread of indoor swimming pools, for public as well as private use, in nursing homes, hotels and sports centres.

Air conditioning in indoor swimming pools features special issues that differ substantially from the conventional systems intended for offices, theatres and the like.

In a swimming pool, people wear no clothes and their bodies are wet, thus making them more susceptible to changes in temperature, humidity and air flow, due to the high evaporation of water on skin, which takes heat away from the body and therefore makes them feel cold.

The **proper internal temperature and humidity conditions**, the minimum indispensable quantity of moving air and simple and effective temperature control are the essential ingredients for the success of these systems.

Relative humidity in the environment, for instance, is greatly affected by the pool's water surface area and its value must be kept within the tolerability limit of the human body, determined by the inability to sweat if the values are too high and by excessive superficial evaporation, with consequent cold feeling, if the values are too low.

Controlling relative humidity in the environment is also important for the condensation phenomenon on internal surfaces, especially those bordering on the outside; this naturally depends on the internal surface temperature of the various structural elements which, in order to be dry, must be higher than the dew point of the indoor air.

Furthermore, the content of chlorine and other sanitisers typically used to disinfect pool water, any salinity and sulphur due to the use of thalassotherapy or hot spring water, make the humid air in the environment aggressive towards internal elements (such as metal ladders, window frames and others) and towards the components of the ventilation and air conditioning system, which must be specially built to withstand possible structural decay over time.

Sabiana provides experience and expertise to guide customers and designers through the assessment of temperature and humidity conditions in the environment and through the choice of the Neptun air handling unit, specifically designed for swimming pool dehumidification.



Neptun-V

Designed for spas and small swimming pools with reduced surface

Highly efficient, compact-sized unit thanks to the double recovery stage, complete with control, it is suitable for dehumidification of spa rooms and swimming pools installed in areas where fresh air has low humidity.

Applications:
HOTELS
SPAS
RETIREMENT HOMES
PRIVATE SWIMMING POOLS



Neptun-V-HP

Ideal for spas and small swimming pools

Compact unit with double static recovery stage plus third thermodynamic recovery stage thanks to the heat pump circuit. Fully controlled, it is ideal for dehumidification of spa rooms and swimming pools and assures high energy savings.

Applications:
HOTELS
SPAS
RETIREMENT HOMES
PRIVATE SWIMMING POOLS



Neptun

Designed for all types of swimming pools, from private to Olympic-size swimming pools

The high efficiency of the plate heat recovery unit, the control and high quality of the components associated to its competitiveness on the market, make this unit a good solution for all kinds of swimming pools. Suitable for the dehumidification of swimming pools installed in areas where fresh air has low humidity.

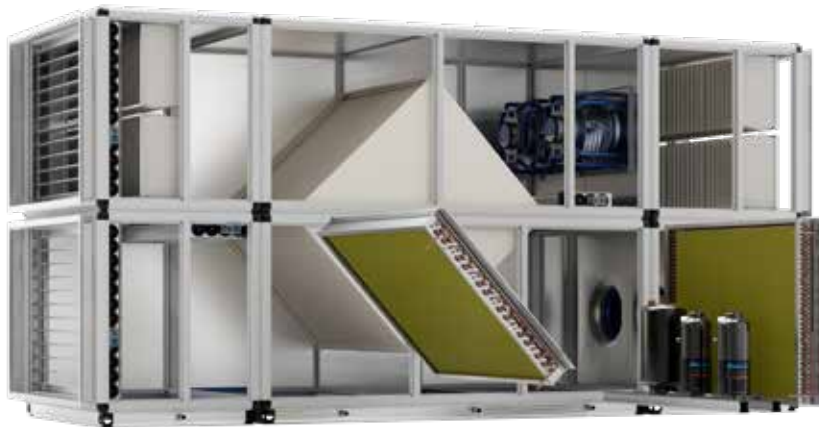
Applications:
HOTELS
SPAS
PUBLIC SWIMMING POOLS

Neptun-HP

Ideal for all types of swimming pools, from private to Olympic-size swimming pools

The highest level of comfort and a wide range of control parameters make this air handling unit highly appreciated by those who seek a top user experience. In addition to energy savings and temperature and humidity control, the unit has two-stage heat recovery with the plate heat recovery unit and heat pump. This makes it possible to achieve a high level of dehumidification and rapid return on your investment.

Applications:
HOTELS
SPAS
PUBLIC SWIMMING POOLS
LARGE SPORTS CENTRES



Direct drive fans

- contribute to reducing the dimensions of the air handling unit
- simple air flow control
- built-in frequency controller
- high energy efficiency

Plate heat recovery unit

- high recovery efficiency
- constructed in polypropylene for maximum hygiene level
- available in aluminium with epoxy protective coat
- low pressure drops
- no air current mixing

Heat pump

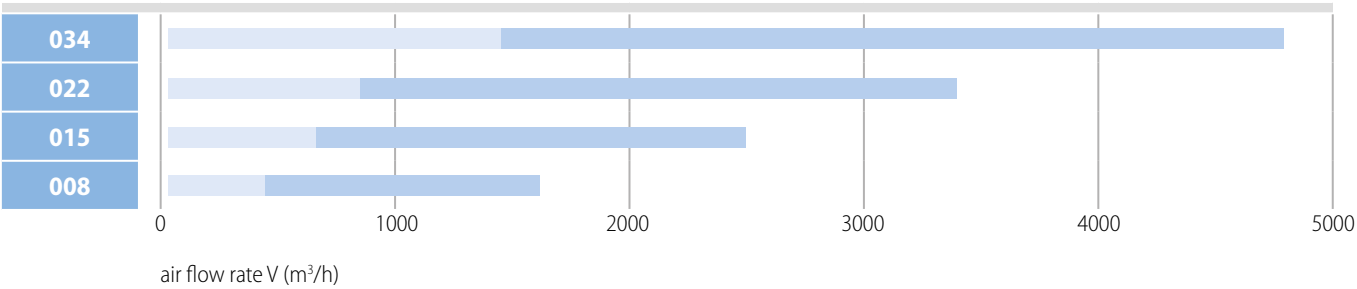
- maximum performance level
- compressor with inverter technology
- evaporator coil and condenser coil made of lamellar aluminium panels with epoxy protection and drawn copper tubes
- high energy savings
- internal humidity control independent from external conditions

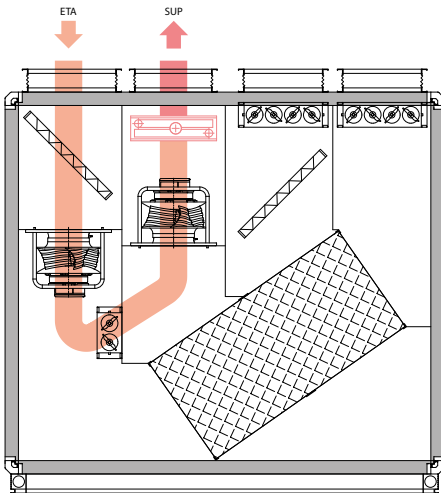
Neptun-V

Main features		min	max
Air flow	m³/h	450	3400
Dehumidification according to VDI 2089	kg/h	2.8	21.3
Heat recovery with double plate heat recovery unit	%	70	85



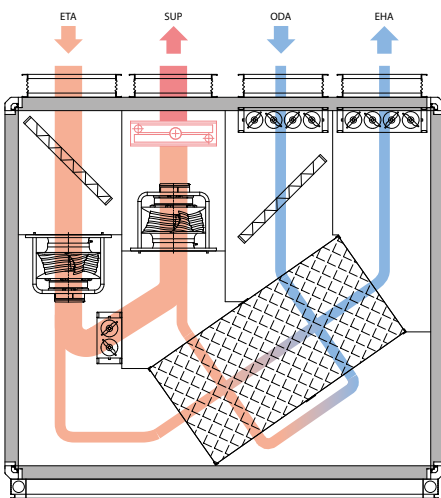
Air handling unit air flow diagram





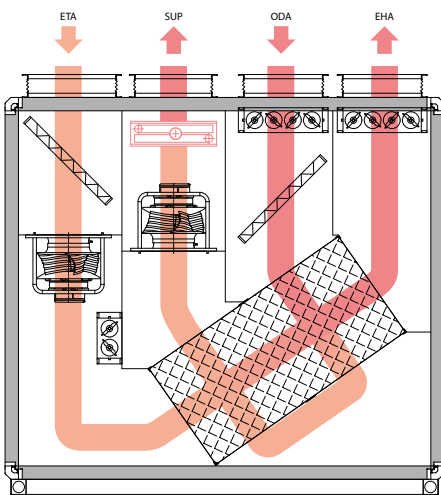
Start-up mode for rapid heating in the winter months

The air is heated by means of hydronic row coils with full recirculation mode, thanks to the specific damper within the unit.



Dehumidification mode in the winter months

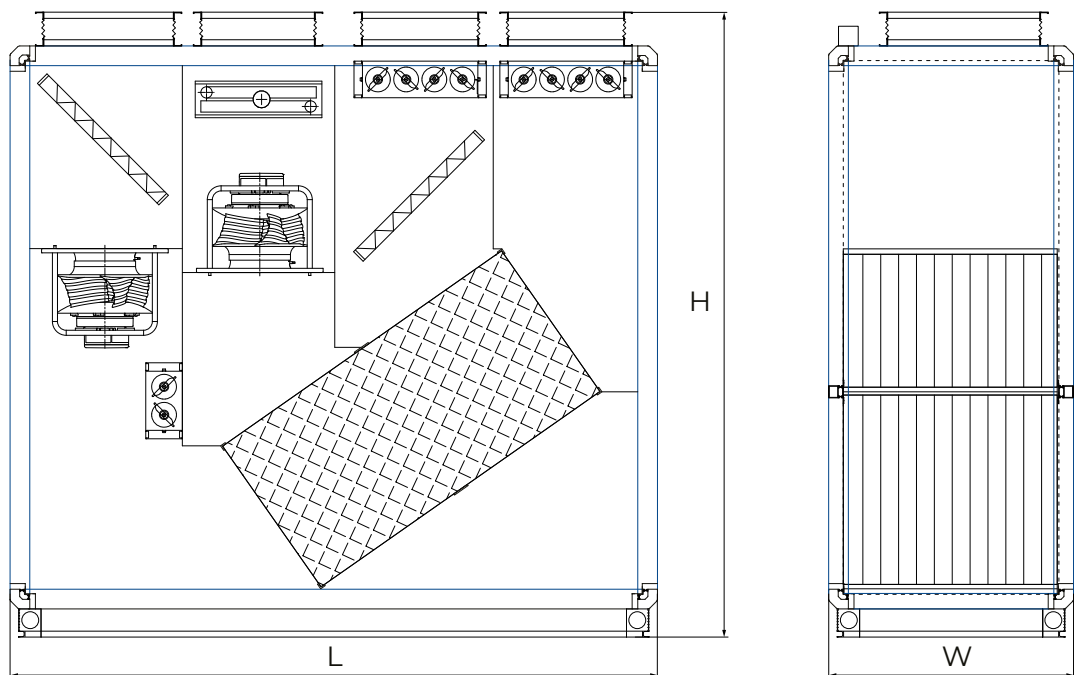
In this mode, the fresh air intake is as required to reach the proper ambient humidity levels and to assure the proper set air exchanges. The remaining air intake volume comes from the internal air recirculation, assuring high energy savings. The mixed air is heated before being fed out into the swimming pool area.



Dehumidification mode at higher external temperatures

In this mode the heating coil is not active and the unit works up to 100% with fresh air to assure the utmost comfort in the swimming pool area.

Neptun-V



Unit type	Nominal air flow rate		Dimensions *	
	m ³ /h	Width (mm)	Height (mm)	Length (mm)
008	800	720	1770	1860
015	1500	820	2020	2060
022	2200	870	2220	2300
034	3400	1025	2320	2700

Unit type	Min	Nom	Max
	m ³ /h	m ³ /h	m ³ /h
008	450	800	1600
015	650	1500	2500
022	850	2200	3400
034	1450	3400	4800

* The dimensions change according to the chosen construction (indoor/outdoor, type of plate heat recovery unit)

CONTROL

- humidity control
- air temperature control
- fan control
- damper control
- hydronic heat coil control

INFORMATION

- information on the conditions of the fresh, indoor and supply air humidity
- information on the conditions of the fresh, indoor and supply air temperature
- information on the condition of filters
- information on system malfunctions

		Unit type			
		008	015	022	034
Nominal air flow rate	m³/h	800	1500	2200	3400
Dehumidification capacity [VDI 2089]	kg/h	4.9	9.2	13.5	20.9
Filtration according to EN 779:2012 ISO 16890					
Fresh air			M5 ePM10 60%		
Return air			M5 ePM10 60%		
Pressure drop outside *					
Fresh air and supply air ducting	Pa	300	300	300	300
Return and emission air ducting	Pa	300	300	300	300
Hot water coil ^{2,3}					
Heating capacity	kW	3.1	5.8	8.4	13.0
Water flow rate	m³/h	0.13	0.25	0.37	0.57
Water pressure drop	kPa	0.5	1.9	1.8	2.3
Fittings	DN	20	20	20	20
Wiring data					
Nominal input - supply air fan	kW	0.23	0.45	0.66	1.04
Nominal input - return air fan	kW	0.20	0.35	0.51	0.80
Nominal total electrical power	kW	0.43	0.80	1.17	1.84
Total current consumption	A	5.0	7.6	13.2	13.6
Sound power level ⁵					
Supply air connection	dB(A)	69	66	63	66
Return air connection	dB(A)	76	71	69	71
Fresh air connection	dB(A)	67	63	60	64
Emission air connection	dB(A)	74	68	65	68
Sound pressure 1 m away from the device	dB(A)	76	71	69	71
Operating voltage			1 ~ 230 V 50 Hz		

1 According to the operating conditions

2 At a supply temperature of 40 °C for nominal air flow rate FL = 60 °C , SA=40 °C

3 Inlet conditions after the double plate heat recovery unit

4 With average filter contamination

5 At middle band frequency of 250 Hz

The data are valid for the following settings	
Indoor temperature	30°C
Indoor relative humidity	54%
Outdoor winter temperature and relative humidity	-15°C/90%
Outdoor summer temperature and relative humidity	33°C/33%

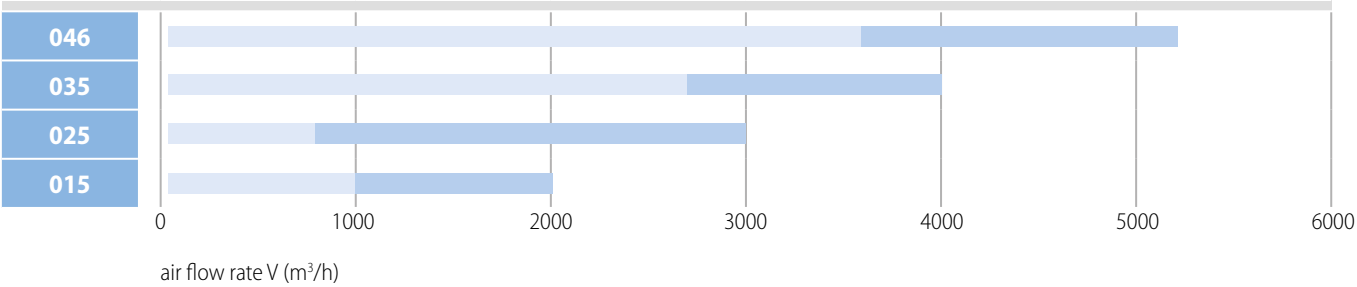
Please request approval of technical data and specifications before starting the design process.

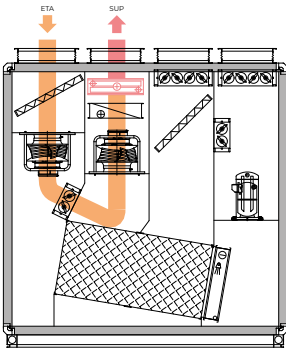
Neptun-V HP

Main features		min	max
Air flow	m³/h	1000	4000
Dehumidification according to VDI 2089	kg/h	6.3	25.1
Heat recovery with double plate heat recovery unit	%	70	85



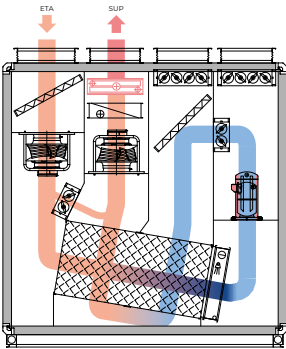
Air handling unit air flow diagram





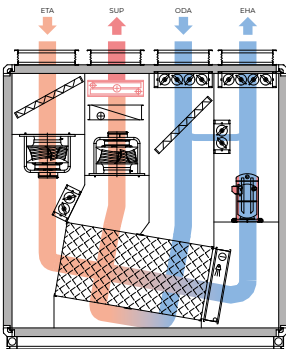
Start-up mode for rapid heating in the winter months

The air is heated by means of hydronic row coils with full recirculation mode, thanks to the specific damper within the unit.



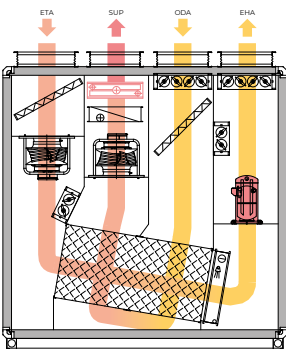
Dehumidification mode in the winter months without users

This saving mode works with 100% recirculation air, reducing absolute air humidity through the heat pump evaporator. The dehumidified air is then heated in the condenser and fed out into the swimming pool area.



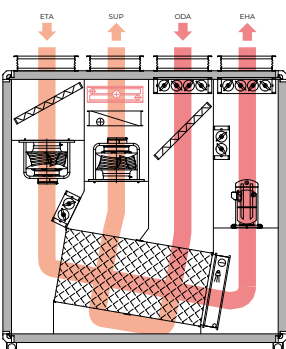
Dehumidification mode in the winter months with users

In this mode, the return air from the swimming pool area is first dehumidified through the evaporator of the refrigeration unit, then partly mixed with fresh air before being fed out. The mixture is then fed back into the double plate heat recovery unit and heated with the condenser, assuring a high level of heat recovery and energy savings. The air is then further heated through the hydronic heat coil and finally fed out into the premises.



Dehumidification mode in the transition period

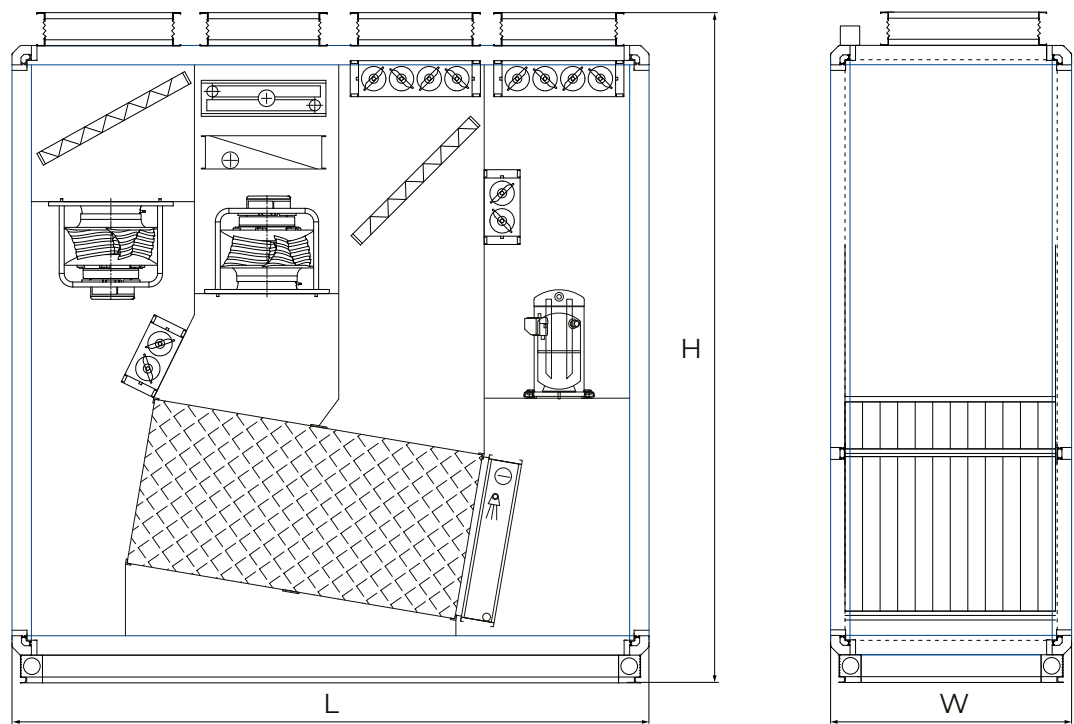
The proper level of ambient humidity is achieved by using up to 100% of fresh air, leaving the heat pump on which makes it possible to have a third stage of heat recovery and preheating the air before it is fed out into the environment through the condenser. The hydronic coil makes it possible to provide the supply air with any remaining thermal power to reach the temperature setpoint.



Dehumidification mode at higher external temperatures

In this mode the heating coil is not active and the unit works up to 100% with fresh air to assure the utmost comfort in the swimming pool area.

Neptun-V HP



Unit type	Nominal air flow rate	Dimensions *		
		Width (mm)	Height (mm)	Length (mm)
015	1500	720	2020	1860
025	2500	820	2220	2060
035	3500	870	2420	2300
046	4600	1025	2670	2620

Unit type	Min	Nom	Max
	m³/h	m³/h	m³/h
015	1000	1500	2000
025	1800	2500	3000
035	2700	3500	4000
046	3600	4600	5200

* The dimensions change according to the chosen construction (indoor/outdoor, type of plate heat recovery unit)

CONTROL

- humidity control
- air temperature control
- fan control
- damper control
- hydronic heat coil control

INFORMATION

- information on the conditions of the fresh, indoor and supply air humidity
- information on the conditions of the fresh, indoor and supply air temperature
- information on the condition of filters
- information on system malfunctions

		Unit type			
		015	025	035	046
Nominal air flow rate	m³/h	1500	2500	3500	4600
Dehumidification capacity [VDI 2089]	kg/h	9.2	15.4	21.5	28.3
Filtration according to EN 779:2012 ISO 16890					
Fresh air			M5 ePM10 60%		
Return air			M5 ePM10 60%		
Double plate heat recovery unit					
Material		Polypropylene			
Built-in heat pump ¹					
Heating capacity	kW	7.4	8.4	9.8	14.2
Heat pump heating capacity	COP	4.5	5.4	5.5	5.6
Pressure drop outside *					
Fresh air and supply air ducting	Pa	300	300	300	300
Return and emission air ducting	Pa	300	300	300	300
Hot water coil ^{2,3}					
Heating capacity	kW	8.4	13.2	17.1	24.7
Water flow rate	m³/h	0.37	0.57	0.74	1.07
Water pressure drop	kPa	3.3	9.2	6.3	9.1
Fittings	DN	20	20	20	20
Wiring data					
Nominal input - supply air fan	kW	0.50	0.94	1.40	1.70
Nominal input - return air fan	kW	0.37	0.67	0.97	1.27
Nominal input - compressor	kW	1.66	1.55	1.79	2.52
Nominal total electrical power	kW	2.53	3.16	4.16	5.49
Total current consumption	A	11.2	16.3	11.1	12.7
Sound power level ⁵					
Supply air connection	dB(A)	72	74	74	74
Return air connection	dB(A)	78	83	79	82
Fresh air connection	dB(A)	65	65	73	72
Emission air connection	dB(A)	72	71	77	79
Sound pressure 1 m away from the device	dB(A)	78	83	79	82
Operating voltage			3 ~ 400 V 50 Hz		

1 According to the operating conditions

2 At a supply temperature of 40 °C for nominal air flow rate FL = 60 °C , SA=40 °C

3 Inlet conditions after the double plate heat recovery unit

4 With average filter contamination

5 At middle band frequency of 250 Hz

The data are valid for the following settings	
Indoor temperature	30°C
Indoor relative humidity	54%
Outdoor winter temperature and relative humidity	-15°C/90%
Outdoor summer temperature and relative humidity	33°C/33%

Please request approval of technical data and specifications before starting the design process.

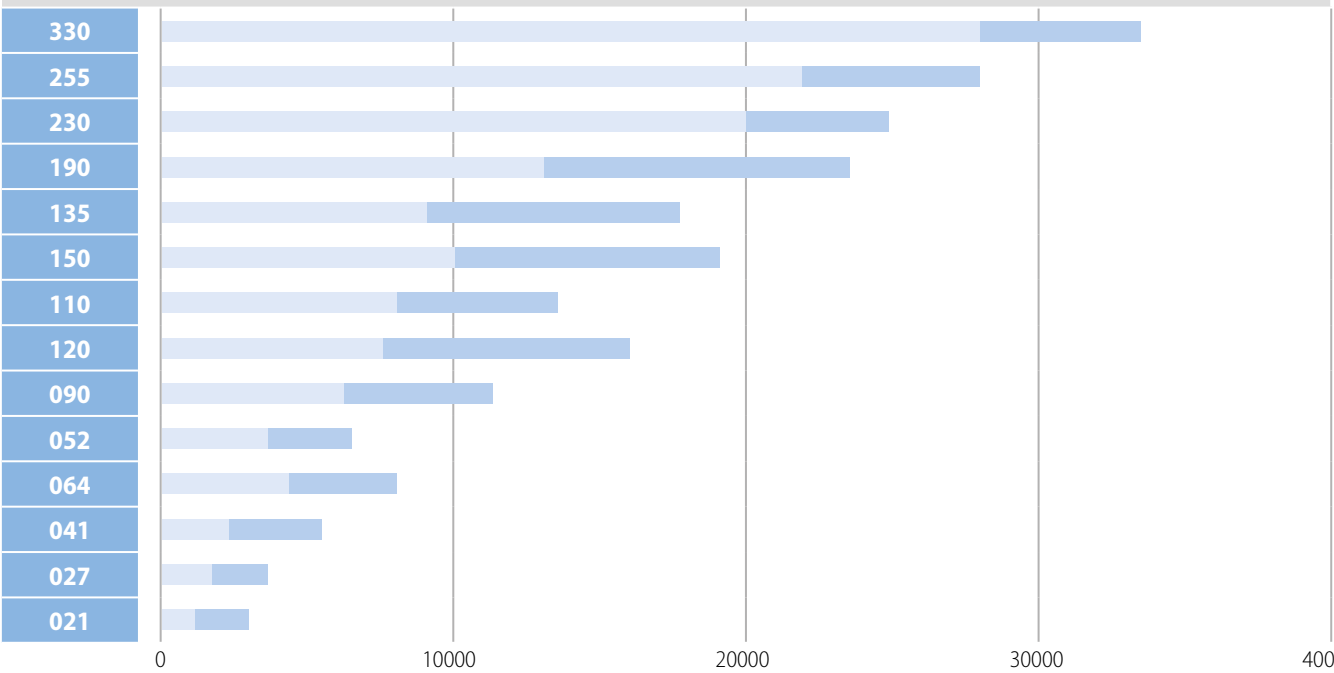
Neptun

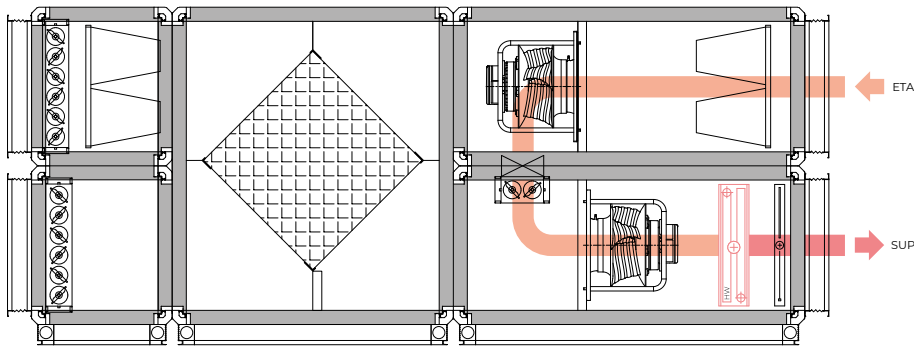
Main features		min	max
Air flow	m³/h	1200	37000
Dehumidification according to VDI 2089	kg/h	7.5	231.8
Heat recovery with double plate heat recovery unit	%	55	85



Air handling unit air flow diagram

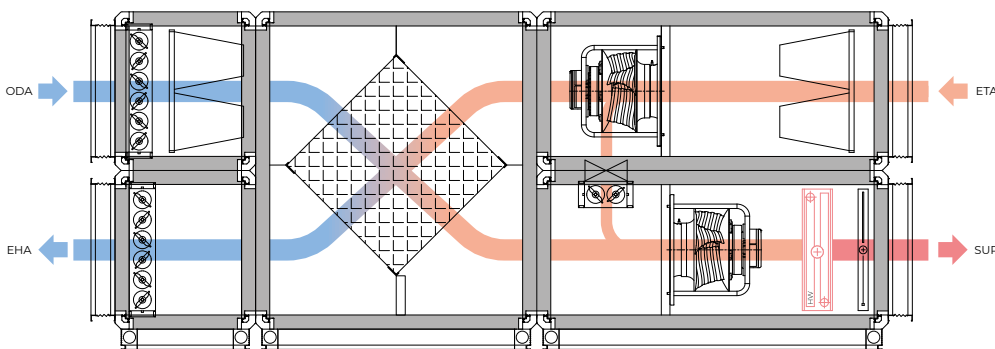
air flow rate V (m³/h)





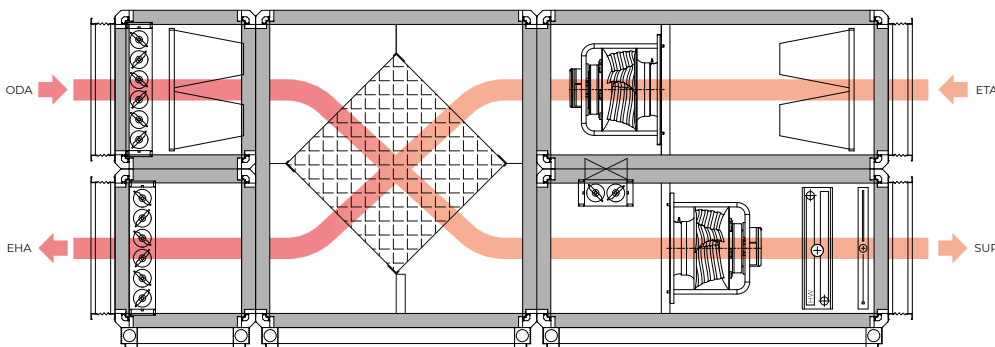
Start-up mode for rapid heating in the winter months

The air is heated by means of hydronic row coils with full recirculation mode, thanks to the specific damper within the unit.



Dehumidification mode in the winter months

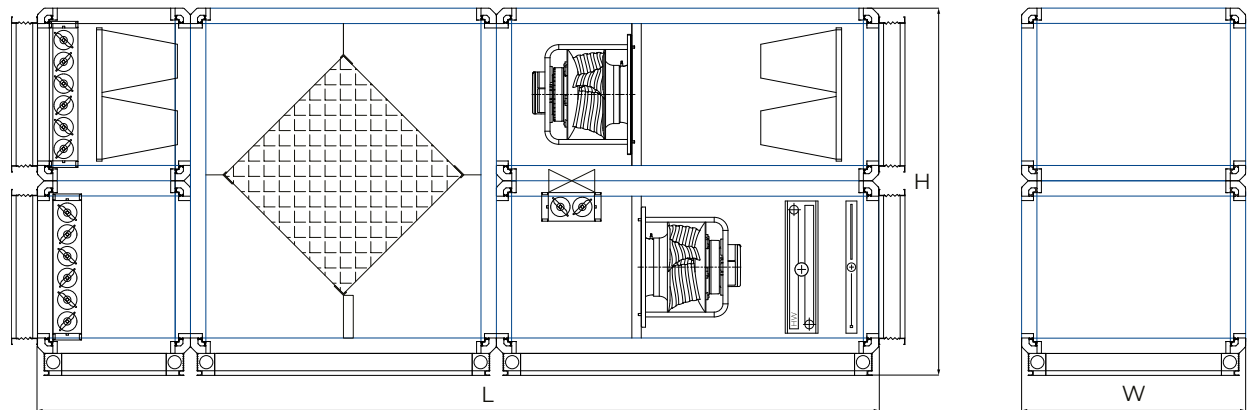
In this mode, the fresh air intake is as required to reach the proper ambient humidity levels and to assure the proper set air exchanges. The remaining air intake volume comes from the internal air recirculation, assuring high energy savings. The mixed air is heated before being fed out into the swimming pool area.



Dehumidification mode at higher external temperatures

In this mode the heating coil is not active and the unit works up to 100% with fresh air to assure the utmost comfort in the swimming pool area.

Neptun



Unit type	Nominal air flow rate m³/h	Dimensions *			Min	Nom	Max
		Width (mm)	Height (mm)	Length (mm)	m³/h	m³/h	m³/h
021	2100	720	1480	3590	1200	2100	3000
027	2700	720	1680	3840	1800	2700	3700
041	4100	1025	1680	3890	2300	4100	5600
064	6400	1025	2290	4540	4400	6400	8000
052	5200	1330	1680	4090	3800	5200	6600
090	9000	1330	2290	4690	6400	9000	11200
120	12000	1330	2900	4890	7600	12000	16000
110	11000	1635	2290	4890	8000	11000	13500
150	15000	1635	2900	4790	10000	15000	19000
135	13500	1940	2290	4890	9000	13500	17600
190	19000	1940	2900	5190	13000	19000	23400
230	23000	1940	3205	5690	20000	23000	25000
255	25500	2245	2900	5690	22000	25500	28000
330	33000	2550	3205	5690	28000	33000	33500

* The dimensions change according to the chosen construction (indoor/outdoor, type of plate heat recovery unit)

CONTROL

- humidity control air temperature control
- fan control
- damper control
- hydronic heat coil control

INFORMATION

- information on the conditions of the fresh, indoor and supply air humidity
- information on the conditions of the fresh, indoor and supply air temperature
- information on the condition of filters
- information on system malfunctions

		Unit type													
		021	027	041	064	052	090	120	110	150	135	190	230	255	330
Nominal air flow rate	m³/h	2100	2700	4100	6400	5200	9000	12000	11000	15000	13500	19000	23000	25500	33000
Dehumidification capacity [VDI 2089]	kg/h	12.9	16.6	25.2	39.4	32.0	55.4	73.9	67.7	92.3	83.1	117.0	141.6	157.0	203.1
Filtration according to EN 779:2012 ISO 16890															
Fresh air								F7 ePM1 60%							
Return air								M5 ePM10 60%							
Double plate heat recovery unit															
Material								Polypropylene							
Pressure drop outside *															
Fresh air and supply air ducting	Pa	300	300	300	300	300	300	300	300	300	300	400	400	400	400
Return and emission air ducting	Pa	300	300	300	300	300	300	300	300	300	300	400	400	400	400
Hot water coil ^{2,3}															
Heating capacity	kW	6.8	7.3	11.1	16.6	13.9	26.7	32.0	29.0	39.3	35.5	50.7	61.1	67.0	87.7
Water flow rate	m³/h	0.30	0.32	0.48	0.72	0.61	1.17	1.40	1.26	1.71	1.55	2.21	2.66	2.92	3.82
Water pressure drop	kPa	1.2	1.6	1.4	1.1	1.4	2.0	1.6	1.2	1.7	1.4	1.2	1.9	1.4	1.6
Fittings	DN	20	20	20	25	25	25	32	32	40	32	50	50	50	65
Wiring data															
Nominal input - supply air fan	kW	0.57	0.72	1.10	1.98	1.37	2.32	3.55	2.85	4.85	3.70	6.30	7.69	9.96	12.07
Nominal input - return air fan	kW	0.44	0.56	0.86	1.60	1.08	2.09	3.05	2.48	4.16	3.19	5.32	7.01	8.90	11.20
Nominal total electrical power	kW	1.01	1.28	1.96	3.58	2.45	4.41	6.60	5.33	9.01	6.89	11.62	14.70	18.86	23.27
Total current consumption	A	7.6	7.6	8.0	11.6	6.8	14.8	28.8	16.4	33.6	32	30.4	32	50.4	52.8
Sound power level ⁵															
Supply air connection	dB(A)	64	65	69	77	72	76	81	73	85	77	82	85	94	92
Return air connection	dB(A)	69	71	75	82	78	79	84	77	89	79	84	89	97	95
Fresh air connection	dB(A)	62	65	69	76	72	75	80	73	85	77	82	84	93	92
Emission air connection	dB(A)	66	71	74	81	77	79	84	77	89	79	84	88	96	95
Sound pressure 1 m away from the device	dB(A)	69	71	75	82	78	79	84	77	89	79	84	89	97	95
Operating voltage								3 ~ 400 V 50 Hz							

1 According to the operating conditions

2 At a supply temperature of 40 °C for nominal air flow rate FL = 60 °C , SA=40 °C

3 Inlet conditions after the double plate heat recovery unit

4 With average filter contamination

5 At middle band frequency of 250 Hz

The data are valid for the following settings

Indoor temperature	30°C
Indoor relative humidity	54%
Outdoor winter temperature and relative humidity	-15°C/90%
Outdoor summer temperature and relative humidity	33°C/33%

Please request approval of technical data and specifications before starting the design process.

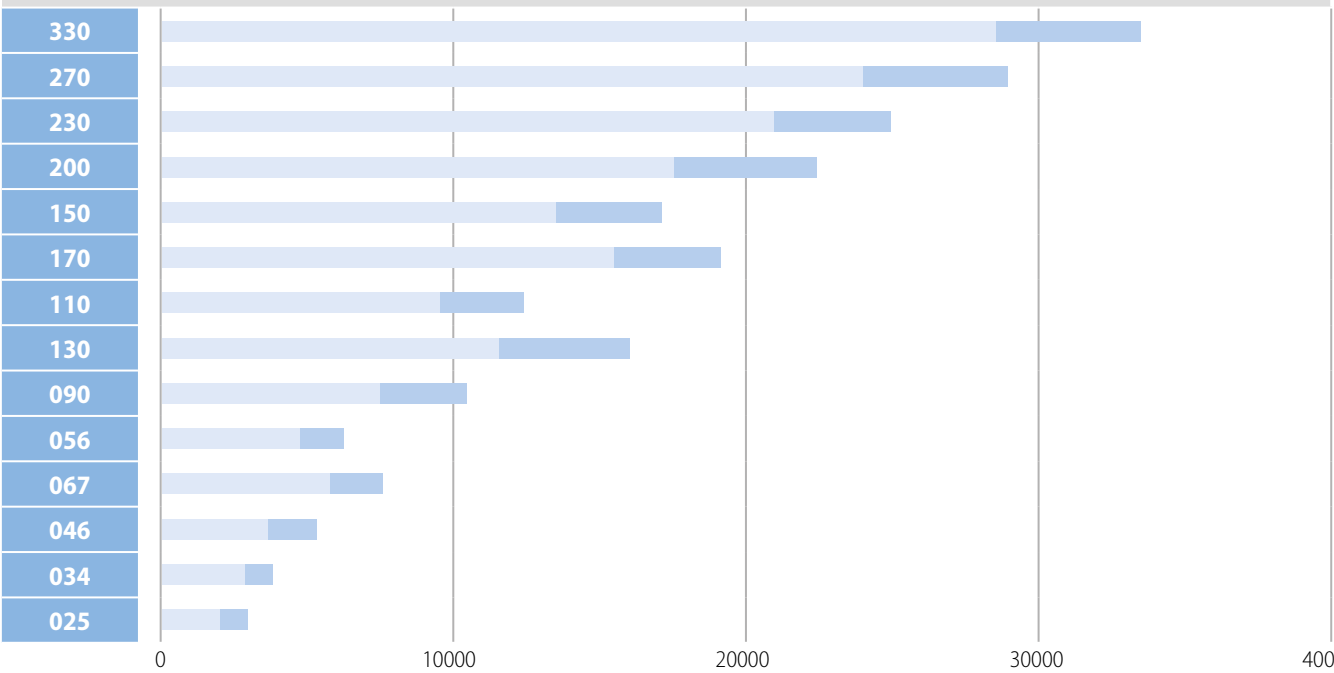
Neptun HP

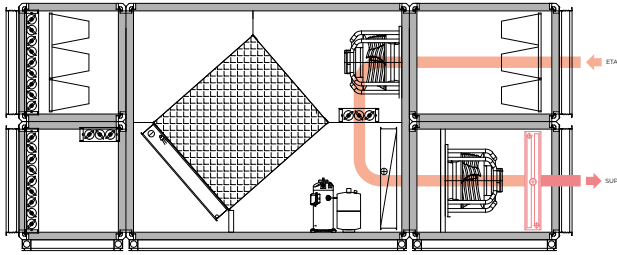
Main features		min	max
Air flow	m³/h	2000	37000
Dehumidification according to VDI 2089	kg/h	12.5	231.8
Heat recovery with double plate heat recovery unit	%	55	90



Air handling unit air flow diagram

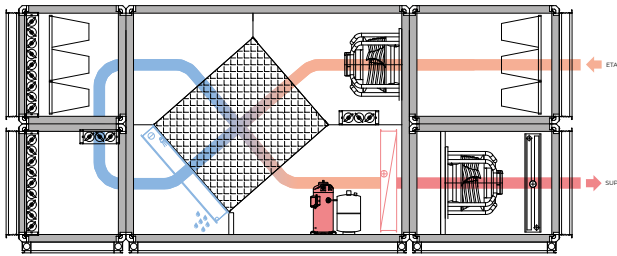
air flow rate V (m³/h)





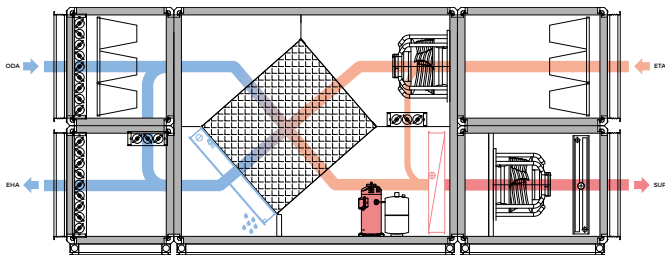
Start-up mode for rapid heating in the winter months

The air is heated via the hydronic row coils with full recirculation mode, thanks to the specific damper within the unit.



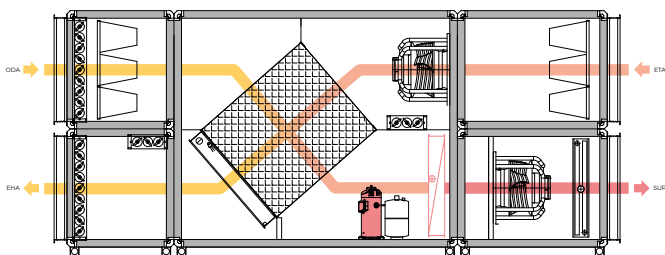
Dehumidification mode in the winter months without users

This saving mode works with 100% recirculation air, reducing the absolute humidity of air through the heat pump evaporator. The dehumidified air is then heated in the condenser and fed out into the swimming pool area.



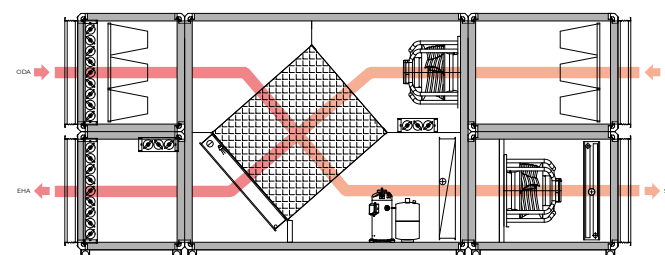
Dehumidification mode in the winter months with users

In this mode, the return air from the swimming pool area is first dehumidified through the evaporator of the refrigeration unit, then partly mixed with fresh air before being fed out. The mixture is then fed back into the double plate heat recovery unit and heated with the condenser, assuring a high level of heat recovery and energy savings. The air is then further heated via the hydronic heat coil and finally fed out into the premises.



Dehumidification mode in the transition period

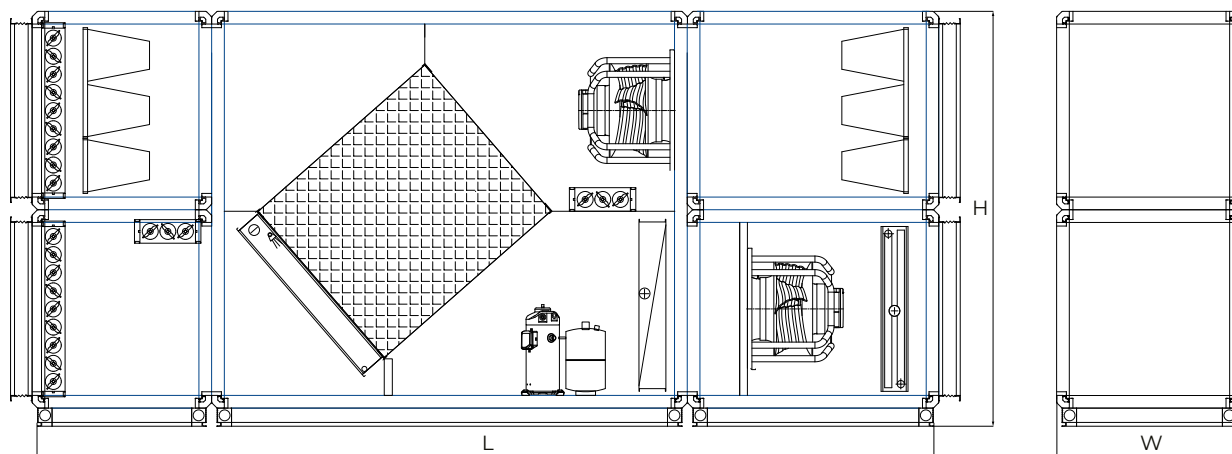
The proper level of ambient humidity is achieved by using up to 100% of fresh air, leaving the heat pump on which makes it possible to have a third stage of heat recovery and preheating the air before it is fed out into the environment through the condenser. The hydronic coil makes it possible to provide the supply air with any remaining thermal power to reach the temperature setpoint.



Dehumidification mode at higher external temperatures

In this mode the heating coil is not active and the unit works up to 100% with fresh air to assure the utmost comfort in the swimming pool area.

Neptun HP



Unit type	Nominal air flow rate m ³ /h	Dimensions *			Min	Nom	Max
		Width (mm)	Height (mm)	Length (mm)	m ³ /h	m ³ /h	m ³ /h
025	2500	720	1480	4490	2000	2500	3000
034	3400	720	1680	4590	2800	3400	3800
046	4600	1025	1680	4590	3600	4600	5200
067	6700	1025	2290	5240	5900	6700	7500
056	5600	1330	1680	4690	4800	5600	6200
090	9000	1330	2290	5290	7500	9000	10500
130	13000	1330	2900	5990	11500	13000	16000
110	11000	1635	2290	5740	9500	11000	12500
170	17000	1635	2900	5940	15500	17000	19000
150	15000	1940	2290	5490	13500	15000	17000
200	20000	1940	2900	6140	17500	20000	22500
230	23000	1940	3205	6440	21000	23000	25000
270	27000	2245	2900	6540	24000	27000	29000
330	33000	2345	3205	7240	28500	33000	33500

* The dimensions change according to the chosen construction (indoor/outdoor, type of plate heat recovery unit)

CONTROL

- humidity control air temperature control
- fan control
- damper control
- hydronic heat coil control

INFORMATION

- information on the conditions of the fresh, indoor and supply air humidity
- information on the conditions of the fresh, indoor and supply air temperature
- information on the condition of filters
- information on system malfunctions

		Unit type													
		025	034	046	067	056	090	130	110	170	150	200	230	270	330
Nominal air flow rate	m³/h	2500	3400	4600	6700	5600	9000	13000	11000	17000	15000	20000	23000	27000	33000
Dehumidification capacity [VDI 2089]	kg/h	15.4	20.9	28.3	41.2	34.5	55.4	80.0	67.7	104.7	92.3	123.1	141.6	166.2	203.1
Filtration according to EN 779:2012 ISO 16890															
Fresh air								F7 ePM1 60%							
Return air								M5 ePM10 60%							
Double plate heat recovery unit															
Material		Polypropylene													
Built-in heat pump ¹															
Heating capacity	kW	11.9	11.9	14.9	21.3	19.0	28.9	42.2	36.3	53.1	47.1	62.8	72.8	82.2	105.8
Heating capacity heat pump	COP	5.7	5.7	6.4	5.7	6.4	5.8	5.8	5.7	6.0	5.9	6.0	5.9	5.7	6.1
Pressure drop outside *															
Fresh air and supply air ducting	Pa	300	300	300	300	300	300	300	300	300	300	400	400	400	400
Return and emission air ducting	Pa	300	300	300	300	300	300	300	300	300	300	400	400	400	400
Hot water coil ^{2,3}															
Heating capacity	kW	8.4	11.4	14.9	19.9	17.2	26.4	38.3	31.2	51.6	35.5	63.4	65.8	73.1	96.0
Water flow rate	m³/h	0.37	0.49	0.65	0.87	0.75	1.15	1.67	1.36	2.25	1.55	2.76	2.87	3.19	4.18
Water pressure drop	kPa	5.2	3.7	3.9	3.1	3.2	3.2	3.2	1.4	2.8	1.4	3.4	2.4	2.7	3.3
Fittings	DN	20	20	20	25	25	25	32	32	40	32	40	50	50	50
Wiring data															
Nominal input - supply air fan	kW	0.80	1.14	1.45	2.21	1.63	2.92	4.47	3.15	5.73	4.67	6.36	8.54	12.77	12.58
Nominal input - return air fan	kW	0.59	0.85	1.09	1.73	1.24	2.18	3.72	2.61	5.43	3.96	6.26	7.30	10.34	15.50
Nominal input - compressor	kW	2.10	2.10	2.32	3.71	2.97	5.01	7.26	6.33	8.89	7.92	10.44	12.27	14.40	17.38
Nominal total electrical power	kW	3.49	4.09	4.86	7.65	5.84	10.11	15.45	12.09	20.05	16.55	23.06	28.11	37.51	45.46
Total current consumption	A	11.7	11.7	12.4	15.1	13.9	21.1	43.7	29.4	40.3	36.9	44.6	57.6	91.2	101.1
Sound power level ⁵															
Supply air connection	dB(A)	69	72	72	77	74	75	85	73	90	82	84	87	94	90
Return air connection	dB(A)	73	77	79	84	77	79	87	77	92	83	86	92	97	93
Fresh air connection	dB(A)	64	72	72	76	73	76	83	73	89	84	83	84	94	97
Emission air connection	dB(A)	69	75	77	82	76	79	86	77	92	83	85	88	97	97
Sound pressure 1 m away from the device	dB(A)	73	77	79	84	77	79	87	77	92	83	86	92	97	97
Operating voltage															
3 ~ 400 V 50 Hz															

1 According to the operating conditions

2 At a supply temperature of 40 °C for nominal air flow rate, FL = 60 °C, SA=40 °C

3 Inlet conditions after the double plate heat recovery unit

4 With average filter contamination

5 At middle band frequency of 250 Hz

The data are valid for the following settings

Indoor temperature	30°C
Indoor relative humidity	54%
Outdoor winter temperature and relative humidity	-15°C/90%
Outdoor summer temperature and relative humidity	33°C/33%

Please request approval of technical data and specifications before starting the design process.

References



Celencovic swimming pool | Serbia

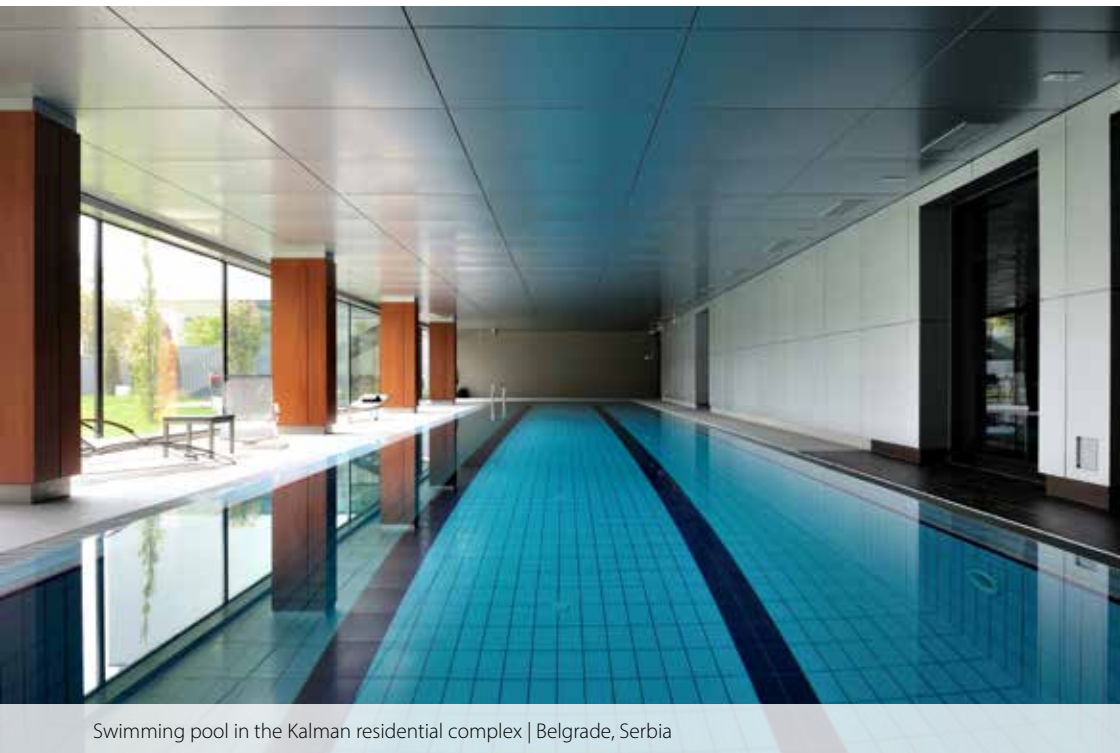


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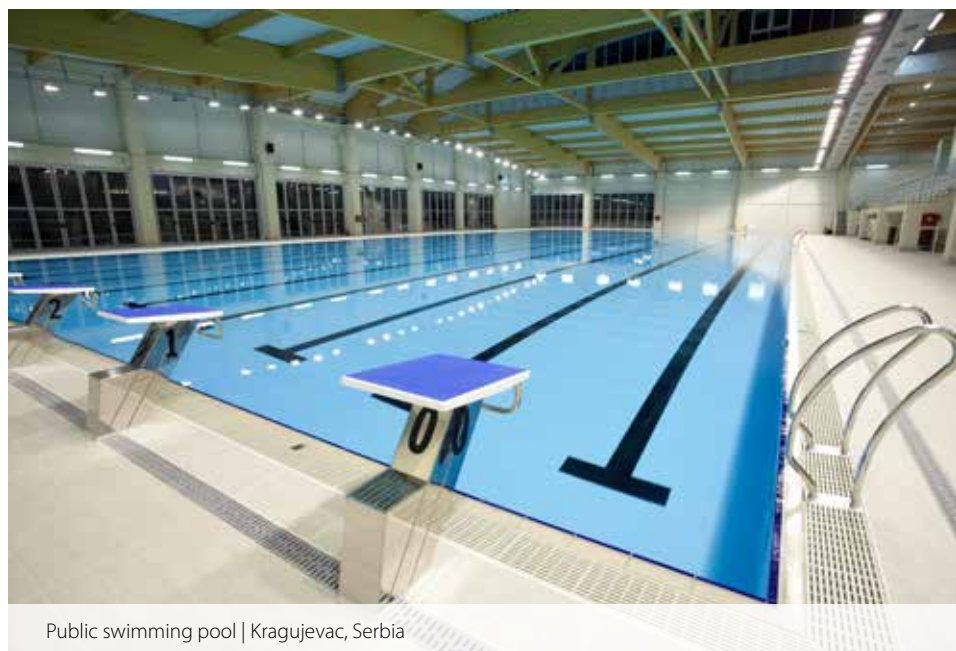
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Swimming pool in the Kalman residential complex | Belgrade, Serbia

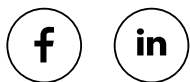


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