ENERGY **RECUPERATION**

NEOTIME®

RANGE / 1300

Counter-flow, self-regulating, very high efficiency (90%), high yield, super slim, double flux station.
Econological® solution.
Flow rate 100 to 2400 m³/h

01

bpc Ventilation

ERP2018 CALADAIR RESPECT bluetech MADE BY CALADAIR

APPLICATION

▲ Ventilation and energy recovery self-regulating, with very high energy efficiency and yield for tertiary and industrial installations.

▲ Yields greater than **90 %** (EN308), in accordance with the **RT2012** and directive **ErP 2009/125/EC**.

● Air filtration, temperature control.

▲ Monobloc, compact, super slim, plug and play and networked station (except the SEASON version).

RANGE

● Available in 5 models, the **NEOTIME®** range covers flow rates from 100 to 2400 m³/h.

The **NEOTIME®** range is on offer with 5 finishes:

SEASON : a station for use in a temperate climate, designed for building air renewal and energy recovery, summer/ winter functioning of the bypass, adjustment of flow rates through the potentiometer.

FIRST : self-regulating station for use in a temperate climate and the active management of temperatures for the optimisation of energy consumption and climatic control.

SMART : Identical to FIRST with a compensating electric defrosting battery for external temperatures as low as -20°C.

PREMIUM : Identical to FIRST but equipped with either a changeover water battery (CO), or an electric battery (BE) for external temperatures of as low as -10°C.

INFINITE : identical finish to PREMIUM with an electric defrosting battery as standard for exterior temperatures as low as -20°C.

COMPOSITION

● 10/10e double-skin panels.

▲ Insulation: 25 mm, A2-S1, M0 high density mineral wool (Class T3 and L1 for envelope air-tightness in accordance with EN1886).

● External face: RAL 7035 prelacquered metal with protective film.

● Internal face: galvanised steel.

▲ Circular branch connections with lip seals to guarantee networks remain airtight (ATEC CSTB n° 13-224-12).

● Crimped brackets as part of the structure to enable roof mounting.

▲ "**EASY**" technical compartment grouping the electrical and regulating components. Access via an opening panel straightforward maintenance. Fixed panel integrating the series proximity switch, the potentiometers (SEASON version) and the power cord grommet.

▲ Filter access via access hatches and via removable panels for the other interior elements.

● Inclined and removable condensate tray for the evacuation of condensates where stations are assembled without an incline.

▲ **100% internal**, motorised and self-regulating, air regulation **RT2012**, bypass, except **SEASON** (summer/ winter management via thermostat and all/ nothing opening).

FAN MOTORS

▲ Direct drive, continuous current motorised fans with high yield electric commutation **(EC)** and integrated heat and speed variation protection. **EC** EC technology is an econological® solution guaranteeing low energy consumption (**RT2012**) for the management, control and command of the point of functioning (regulation of flow rates from 10 to 100%). Low noise levels for superior acoustic comfort.

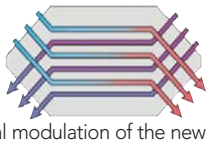
EXCHANGER

● High efficiency, **counter-flow** static exchanger with aluminium plates. Air exchangers - air products by KLINGENBURG which participates in the **Eurovent** certification programme for AAHE.

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

ECHANGEUR INTEGRE

▲ Efficiency greater than 90% (**EN 308**).



● Automatic, sequenced defrosting through the proportional opening of the bypass (except **SEASON**, All or Nothing) then via the electric, self-regulating defrosting battery for the **SMART** and **INFINITE** versions and lastly through eventual modulation of the new air flow rate (except **SEASON**)..

FILTERS

▲ As standard, the **NEOTIME®** station features an F7, high efficiency opacimetric filter (large filter surface) for new air and a G4 gravimetric filter for extracted air.

● Relative to the components, filters are always mounted upstream in order to ensure protection.

● Mounted on slide rails for straightforward replacement.

EQUIPMENT AND FUNCTIONS

▲ The **FIRST SMART**, **PREMIUM** and **INFINITE** versions are fitted as Standard with **"EASY"**, regulation, networked on MODBUS, BACNET or WEB (choice of language activated on the website). It integrates an LCD, remote control function (100m to 1km with repeater). The possibility (option) of completing the **"EASY"** regulation with a touch activated remote control, with a user interface and screen for the main functions (temperature control, restart, fault...) as well as a maintenance interface enabling access to general parameters (command panel works from a distance of 100m.

▲ **100% bypass**, built-in to the station, fitted with servomotors that are automatically guided by integrated regulation ensuring the **FREE-COOLING** and **NIGHT-COOLING** functions (nighttime over-ventilation with adjustable flow rate).

For the **SEASON** version the **100% Bypass** ensures summer/ winter management in All or Nothing mode via integrated thermostats.

▲ 4 choices of flow rate modulation to guarantee optimal energy consumption (RT2012, EN15232).

SEASON: Rotation speed adjustment for each fan via potentiometers mounted and wired to the facade of the regulation compartment.

ECO: Rotation speed adjustment for each fan via modification of the two flow rates (PV-GV) in **EASY** regulation.

LOBBY®: air flow modulation at CONSTANT PRESSURE, adjustable

For each fan (**FIRST**, **SMART, PREMIUM** and **INFINITE**).

DIVA®: Proportional modulation of the flow rate of each fan relative to the CO_2 level. Sensor built in to the station intake (**FIRST**, **SMART, PREMIUM** and **INFINITE**).

● Internal timers ensuring the programmable, two flow rate functioning chosen on the website (except SEASON).

● Weekly timer and timer for holidays and public holidays (except. SEASON).

▲ The pressure switch filters new with default return air on command (dry contact for SEASON).

● The pressure switch controls the air flow for each fan with default return on the command panel (dry contact for SEASON).

▲ A proximity switch mounted on the unit facade.

▲ **Fire safety** function (except **SEASON**) enabling control of the output and intake fans in 5 available modes Within regulation parameters (function activated on the website). An alarm will then be displayed on the screen "Fire alarm":
"Shutdown": Complete station shutdown.
"Active" Activation or continued operation of the station at High Speed. The fire function will take priority in the event of any other alarm.
"Auto": Continued station operation in accordance with site configuration (Shutdown/ Low Speed/ High Speed).
"Output active": Activation or continued high speed operation of the output ventilator (intake in shutdown).
"Intake active" Activation or continued high speed operation of the intake fan (output in shutdown).
For that, the **NEOTIME®** station features the digital input "External Shutdown" In this case, the external command takes priority over fire safety if subsequently activated by any of the 5 modes below.

INSTALLATION

▲ Concealed behind a false ceiling.

▲ Direct access to the electrical cabinet and filters.

CLIMATE VERSIONS

▲ The **NEOTIME®** station offers a number of versions enabling guaranteed, optimal climate control (except SEASON).
These functions are automatically managed via **"EASY"**. regulation.
Water or electric batteries are integrated into the station and the associated temperature sensors are mounted, wired and factory tested so that the **NEOTIME®** is a true **"PLUG& PLAY"** station:
Temperature sensors (x4) integrated into the station: output, intake, bypass defrosting, external temp. and for **SMART** and **INFINITE** versions there is a sensor for the defrosting battery.

● Built in frost protection thermostat (THA) ensuring the protection of the cooling battery in **PREMIUM/INFINITE CO** versions.

● A built-in, manually reset safety thermostat (THS) ensuring the protection of the electric defrost and heating batteries for **SMART**, **PREMIUM BE** and **INFINITE BE** versions.

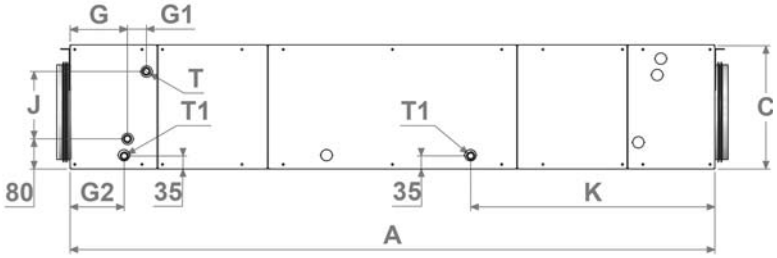
DOUBLE FLOW UNIT DESCRIPTION NEOTIME®

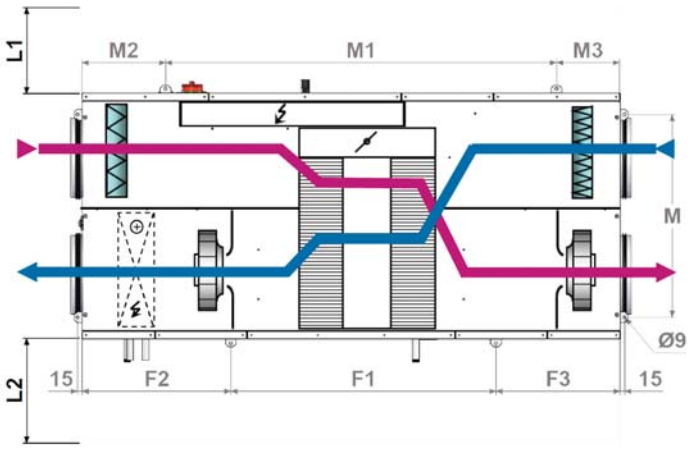
Versions	INTEGRATED THERMAL BATTERY				EXTERNAL MODULE					
	DEFROSTING	HEATER		CHANGEOVER Warm/cold	REFRESH Cold Only		DEHUMIDIFYING Cold + Warm			
	Electric	Electric	water	water	water	R410A	Eau/Eau	water/Elec	R410A/water	R410A/ELEC
SEASON	-	-	-	-	-	-	-	-	-	-
FIRST	-	-	-	-	CBX-BF	CBX-DX	CBX-FH	CBX-FE	CBX-DXH	CBX-DXE
SMART	✔	-	-	-	CBX-BF	CBX-DX	CBX-FH	CBX-FE	CBX-DXH	CBX-DXE
PREMIUM BE	-	✔	-	-	CBX-BF	CBX-DX	-	-	-	-
PREMIUM CO	-	-	✔	✔	standard	CBX-DX	NEOTIME/CBX-BC	NEOTIME/CBX-BE	-	-
INFINITE BE	✔	✔	-	-	CBX-BF	CBX-DX	-	-	-	-
INFINITE CO	✔	-	✔	✔	standard	CBX-DX	NEOTIME/CBX-BC	NEOTIME/CBX-BE	-	-

▲ The dehumidification function (can be activated on the website) consists of associating a COMBIBOX CONCEPT® module with the NEOTIME® station fitted with a heating battery (water or single cold DX) followed by a cooling battery (water or electric). In this case the regulator will automatically manage the cooling or warming effect necessary for dehumidification while maintaining an optimal functioning temperature. During a period of where cold is requested, temperature management takes priority over of dehumidification

DIMENSIONS CHARACTERISTICS NEOTIME®

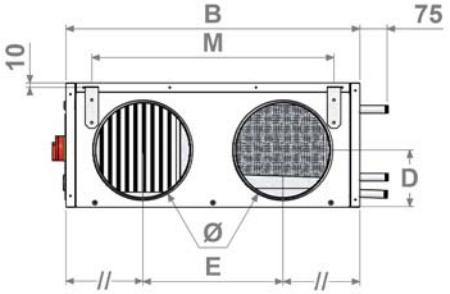
NEOTIME® model	Ø	A	B	C	D	E	F1	F2	F3	G	G1	G2	J	K	M	M1	M2	M3	T	T1	SEASON	FIRST SMART	PREMIUM BE INFINIT BE	PREMIUM CO INFINIT CO
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg	Kg	Kg	Kg
600	250	1700	780	330	160	370	-	-	-	150	50	145	170	645	640	-	-	-	1/2"	1/2"	120	127	130	135
900	315	2020	965	415	210	460	-	-	-	150	50	145	250	780	750	-	-	-	1/2"	1/2"	180	190	195	200
1300	355	2190	1220	415	190	600	795	735	660	430	50	425	250	880	950	1170	510	510	1/2"	1/2"	255	265	270	275
1800	400	2275	1220	495	245	600	915	725	635	430	50	425	330	885	950	1115	580	580	1/2"	1/2"	275	285	290	295
2500	400	2395	1740	495	235	910	840	785	770	430	50	425	330	985	1350	1235	580	580	3/4"	1/2"	380	390	400	405





Fresh air

Return air



		NEOTIME®				
MAINTENANCE ESPACE (mm)		600	900	1300	1800	2500
FILTER ACCESS / SWITCH CABINET	L1	275	375	520	520	690
FANS ACCESS	L2	225	320	380	435	435
FANS ACCESS / EXCHANGER / BATTERY CO	L2	470	560	670	670	1020

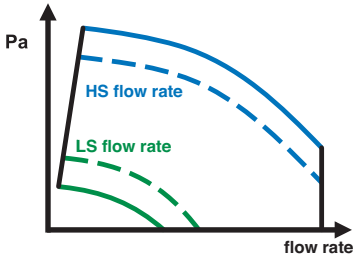
ELECTRICAL CHARACTERISTICS NEOTIME®

Model	Electrical power (W)	Usage temp. (°C / °C)	Protection index Classe	thermal cutout *	SEASON/FIRST & PREMIUM CO Power supply voltage (V / Ph / Hz)	SEASON/FIRST & PREMIUM CO Protection current (A)	INFINITE CO & SMART Power supply voltage (V / Ph / Hz)	INFINITE CO & SMART Protection current (A)	PREMIUM BE Power supply voltage (V / Ph / Hz)	PREMIUM BE Protection current (A)	INFINITE BE Power supply voltage (V / Ph / Hz)	INFINITE BE Protection current (A)
600	2x169W	-20/60	IP54/B	PTI	230 / 1 / 50	2,8	230 / 1 / 50	8,2	230 / 1 / 50	8,2	230 / 1 / 50	13,7
900	2x220W	-20/60	IP44/B	PTI	230 / 1 / 50	3,4	230 / 1 / 50	14,3	230 / 1 / 50	11,0	230 / 1 / 50	21,9
1300	2x400W	-20/40	IP44/F	PTI	230 / 1 / 50	8,6	230 / 1 / 50	23,8	230 / 1 / 50	19,5	230 / 1 / 50	34,7
1800	2x400W	-20/40	IP44/F	PTI	230 / 1 / 50	8,6	230 / 1 / 50	24,9	230 / 1 / 50	24,9	400 / 3+N / 50	15,1
2500	2x400W	-20/40	IP44/F	PTI	230 / 1 / 50	8,6	230 / 1/ 50	31,4	230 / 1/ 50	31,4	400 / 3+N / 50	19,5

**PTI: Integrated thermal cutout*

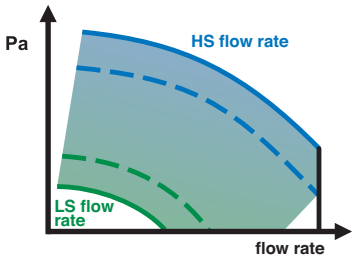
MODULATION SOLUTIONS NEOTIME®

The **NEOTIME®** station offers networked EASY regulation (except SEASON), enabling configuration of the flow modulations detailed below:



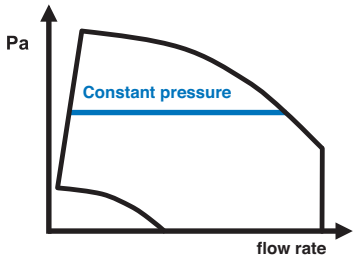
NEOTIME® ECO functioning

Choice of 1 or 2 flow rates (PV/ GV) per fan
Except SEASON, 1 adjustable flow rate per potentiometer



NEOTIME® DIVA functioning

PROPORTIONAL ventilation
between two flow rates (PV/ GV) per fan



NEOTIME® LOBBY® functioning

CONSTANT PRESSURE ventilation per fan

Front access to internal NEOTIME® elements

Remote, LCD display control
(delivered as standard, except for the SEASON version)
max 100m or 1000m with repeater.

ED-TOUCH touch screen.
(optional, non-compatible with SEASON)
with user screen and maintenance
interface (until 100m)

ACOUSTIC CHARACTERISTICS NEOTIME®

- The Lp4m dB(A) curves correspond to the level of acoustic pressure at 4m in a hemispherical free field on a reflective plain, the "new air inlet" and "discharge intake air" sides not being connected, the "new output air" and "extraction intake air" not being connected. To achieve the overall acoustic pressure Lp dB(A), at a certain distance, add the values below to Lp4m.

Distance (m)	1,5	3	4	5	7	10
Distance weighting dB(A)	9	3	0	-2	-5	-8

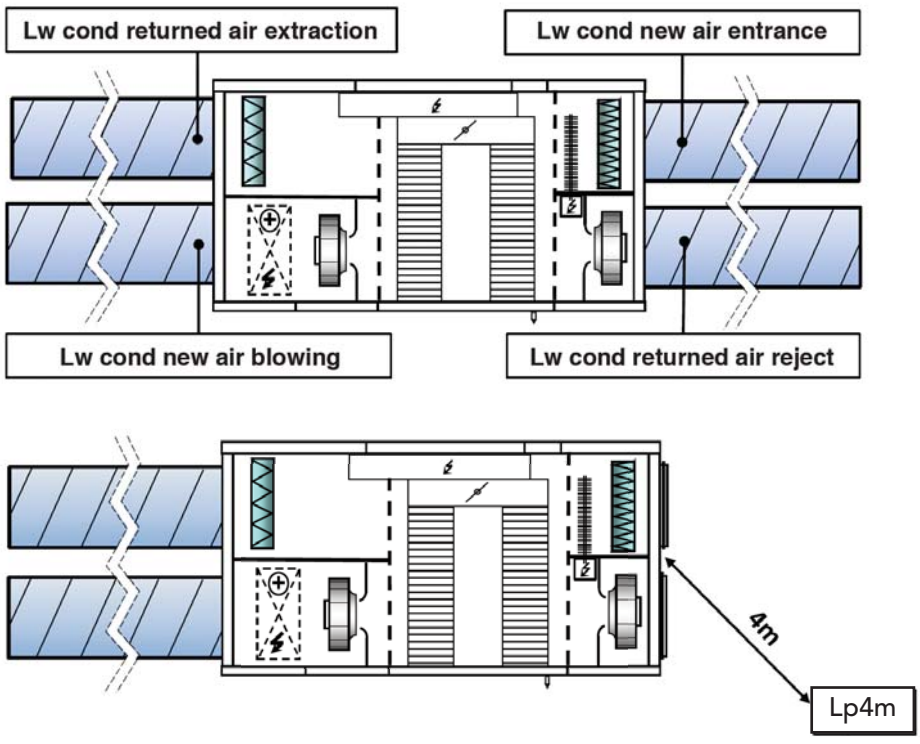
- The curves for "Lw output air cond dB(A)" correspond to the overall acoustic power emitted on the "new output air" side or "discharge intake air". To achieve the range of acoustic power Lw cond output dB(A), on the "new output air" or "discharge intake air", add the below values to the acoustic power "Lw cond output" displayed on the curves.

Downstream acoustic spectrum weighting function "Lw cond blower dB(A)" Indicated on the curves								
Frequency	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Weighting NEOTIME 600 dB(A)	-37	-26	-15	-7	-5	-6	-9	-11
Weighting NEOTIME 900 dB(A)	-29	-17	-11	-7	-5	-5	-11	-18
Weighting NEOTIME 1300 dB(A)	-31	-20	-5	-8	-6	-8	-10	-16
Weighting NEOTIME 1800 dB(A)	-32	-20	-6	-8	-6	-8	-10	-13
Weighting NEOTIME 2500 dB(A)	-37	-23	-7	-8	-6	-7	-9	-13

- The curves for "Lw cond extraction dB(A)" correspond to the overall acoustic power emitted on the duct sides "extraction air intake" and new air inlet". To achieve the range of acoustic power Lw cond extraction dB(A), on the "extraction air intake" and "new air inlet" sides, add the values below to the acoustic power "Lw cond extraction" read on the curves

Upstream acoustic spectrum weighting function "Lw cond extraction dB(A)" Indicated on the curves								
Frequency	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Weighting NEOTIME 600 dB(A)	-32	-24	-14	-7	-5	-5	-11	-15
Weighting NEOTIME 900 dB(A)	-21	-12	-7	-5	-6	-10	-16	-22
Weighting NEOTIME 1300 dB(A)	-28	-19	-4	-8	-6	-8	-16	-23
Weighting NEOTIME 1800 dB(A)	-30	-19	-4	-8	-6	-8	-15	-20
Weighting NEOTIME 2500 dB(A)	-33	-21	-5	-8	-6	-7	-14	-20

- To achieve the acoustic range NSC4 dB(A) (noise level at 4m in a hemispherical free field, with the device placed on the ground on a reflecting plane, with station terminals connected to the intake and discharge by ducts with the same level of sound insulation), deduct 18 dB(A) from the Lp4m value.



NOTA: Tolerance =
Global Values + / - 3 dB(A)
Acoustic spectra +/- 5 dB(A)

Uniclima
Syndicat des industries thermiques, aérauliques et frigorifiques

AFFICHAGE DES PERFORMANCES
Les produits repérés par ce logo respectent les recommandations d'affichage des performances définies par Uniclima.

NOTA : the curves are created on the basis of new air (Static Pressure) all pressure gauges connected (configuration D in accordance with regulation NF EN 13141-4)

EQUIPMENT	SEASON	FIRST	SMART	PREMIUM BE	PREMIUM CO	INFINITE BE	INFINITE CO
Low energy consumption, EC fan motors	●	●	●	●	●	●	●
Opacimetric, F7 new air filter	●	●	●	●	●	●	●
Gravimetric, G4 intake filter	●	●	●	●	●	●	●
High efficiency plates (>90%), EUROVENT certified counter-flow exchanger	●	●	●	●	●	●	●
100% internal bypass	●	●	●	●	●	●	●
Inclined condensate trays (thermal CO battery and exchanger)	●	●	●	●	●	●	●
25 mm, RAL7035 double skin	●	●	●	●	●	●	●
Circular branch connections with lip seals (ATEC CSTB n° 13-224-12)	●	●	●	●	●	●	●
Remote, LCD display control (up to 100m)	-	●	●	●	●	●	●
Regulation MODBUS and BACNET RS485 network or TCP/IP WEB TCP/IP (selected from the menu)	-	●	●	●	●	●	●
Rotation speed regulating potentiometer	●	-	-	-	-	-	-
Discharge temperature sensor	-	●	●	●	●	●	●
Intake temperature sensor	-	●	●	●	●	●	●
Bypass defrost sensor	●	●	●	●	●	●	●
Exterior temperature sensor	●	●	●	●	●	●	●
Defrost battery sensor	-	-	●	-	-	●	●
Anti-freeze thermostat on the water battery	-	-	-	-	●	-	●
Electric safety thermostat defrost battery	-	-	●	-	-	●	●
Electric safety thermostat heating battery	-	-	-	●	-	●	-
Lockable proximity switch	●	●	●	●	●	●	●
Power cord grommet	●	●	●	●	●	●	●

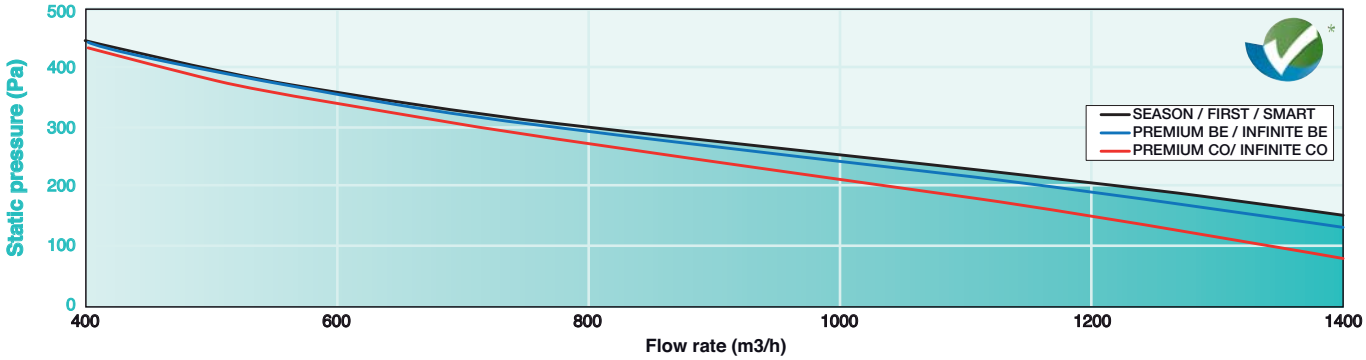
FUNCTIONS	SEASON	FIRST	SMART	PREMIUM BE	PREMIUM CO	INFINITE BE	INFINITE CO
Bypass defrost	●	-	-	-	-	-	-
Sequenced defrost: bypass + battery (SMART/INFINITE) + new air flow rate modulation	-	●	●	●	●	●	●
Self-regulating, electric, defrost battery	-	-	●	-	-	●	●
Self-regulating, electric, heating battery	-	-	-	●	-	●	-
Self-regulating CHANGEOVER water battery (hot/cold)	-	-	-	-	●	-	●
100% internal bypass, All or Nothing, automatic management summer/winter	●	-	-	-	-	-	-
100% internal bypass, self-regulating and modulating (0-100%)	-	●	●	●	●	●	●
Free-Cooling Management	-	●	●	●	●	●	●
Night-cooling management (night-time over-ventilation)	-	●	●	●	●	●	●
Output air temperature management (air regulation)	-	●	●	●	●	●	●
Ambient temperature management (intake)	-	●	●	●	●	●	●
Weekly timer	◆	●	●	●	●	●	●
Holiday and public holiday timer	-	●	●	●	●	●	●
New Air filter pressure switch	●	●	●	●	●	●	●
Flow rate control pressure switch (output and intake)	●	●	●	●	●	●	●
Fire safety in accordance with 5 available modes	-	●	●	●	●	●	●
COMBIBOX CONCEPT® dehumidification management module	-	●	●	●	●	●	●

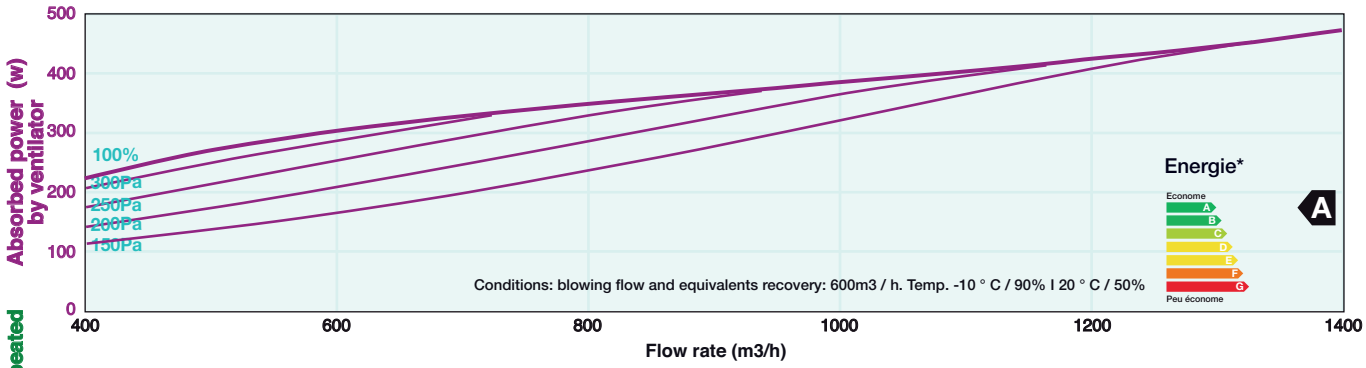
FACTORY INSTALLED OPTIONS	SEASON	FIRST	SMART	PREMIUM BE	PREMIUM CO	INFINITE BE	INFINITE CO
LOBBY®: air flow modulation at CONSTANT PRESSURE	-	❍	❍	❍	❍	❍	❍
DIVA®: proportional CO_2 flow rate modulation	-	❍	❍	❍	❍	❍	❍

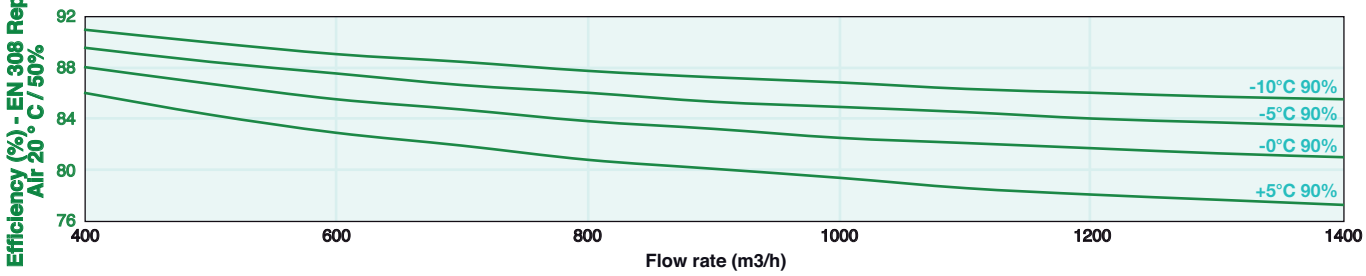
OPTIONS	SEASON	FIRST	SMART	PREMIUM BE	PREMIUM CO	INFINITE BE	INFINITE CO
Changeover pad for switching between hot/ cold for CO versions	-	◆	◆	◆	◆	◆	◆
Touch activated remote control (up to 100m)	-	◆	◆	◆	◆	◆	◆
LON networked	-	◆	◆	◆	◆	◆	◆
Ambient temperature management via touch activated remote control	-	◆	◆	◆	◆	◆	◆
1000M LCD repeater for remote control	-	◆	◆	◆	◆	◆	◆
Wonderoom®, networked area regulator Automatically with the NEOTIME®	-	◆	◆	◆	◆	◆	◆
COMBIBOX CONCEPT® dehumidification module	-	◆	◆	-	◆	-	◆

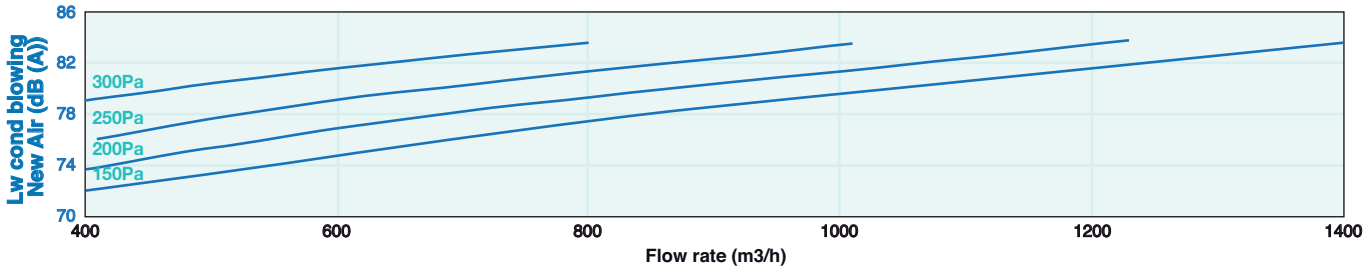
● : *Standard equipment or functions.*
❍ : *OPTIONAL equipment or functions. Supplied assembled and cabled at the factory*
◆ : *OPTIONAL equipment or functions. Supplied unassembled*

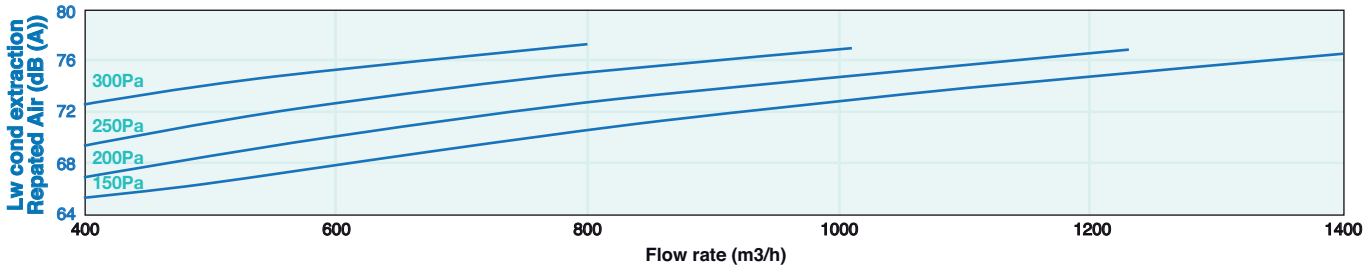
NEOTIME® 1300

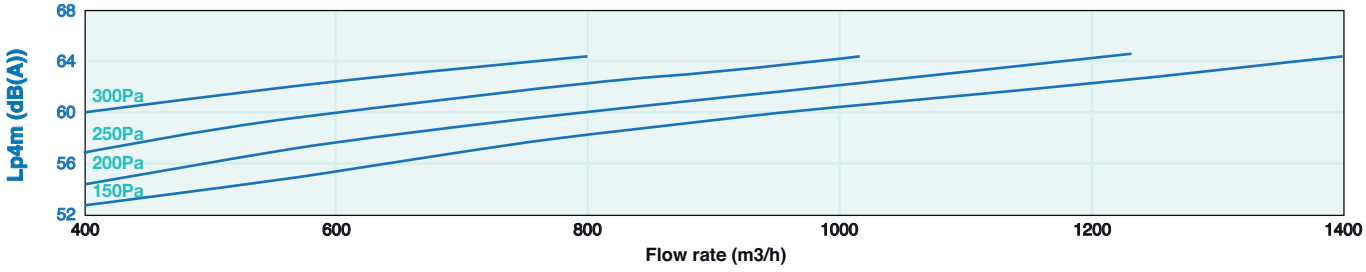












NEOTIME® 1300

Changeover coil - PREMIUM / INFINITE CO

Water temp. (°C/°C)	Air inlet temp. (°C)	Flow rate (m³/h)	400	600	800	1000	1200
80/60	11	Motor (kW)/Air outlet temp (°C)	6,8/62	9,4/58	11,6/54	13,7/52	15,5/50
		Water flow(l/h)/DP water (kPa)	300/4	410/8	510/9	600/12	680/15
	15	Motor (kW)/Air outlet temp (°C)	6,4/63	8,7/58	10,8/55	12,7/53	14,4/51
		Water flow(l/h)/DP water (kPa)	280/4	380/7	480/8	560/10	630/13
60/50	11	Motor (kW)/Air outlet temp (°C)	5,0/49	7,0/46	8,7/43	10,2/42	11,6/40
		Water flow(l/h)/DP water (kPa)	440/9	610/12	760/19	890/23	1010/28
	15	Motor (kW)/Air outlet temp (°C)	4,6/49	6,3/47	7,9/44	9,3/43	10,5/41
		Water flow(l/h)/DP water (kPa)	400/7	550/10	690/15	810/19	920/24
45/40	11	Motor (kW)/Air outlet temp (°C)	3,6/38	5,0/36	6,2/34	7,3/33	8,3/32
		Water flow(l/h)/DP water (kPa)	620/14	860/22	1080/33	1270/43	1450/54
	15	Motor (kW)/Air outlet temp (°C)	3,1/38	4,3/37	5,4/35	6,4/34	7,3/33
		Water flow(l/h)/DP water (kPa)	540/11	750/19	940/26	1110/35	1260/42
7/12	32-40	Motor (kW)/Air outlet temp (°C-%HR)	3,5/13,9-87	4,8/15,3-84	5,9/16,3-81	6,9/17,1-79	7,9/17,7-78
		Water flow(l/h)/DP water (kPa)	610/15	830/24	1020/35	1190/45	1350/56
	27-50	Motor (kW)/Air outlet temp (°C-%HR)	2,7/13,1-91	3,7/14,2-88	4,6/15,1-86	5,3/15,7-84	6,0/16,2-83
		Water flow(l/h)/DP water (kPa)	470/12	640/16	780/22	910/29	1030/36
	25-50	Motor (kW)/Air outlet temp (°C-%HR)	2,1/12,8-91	2,9/13,8-88	3,5/14,5-86	4,1/15,0-85	4,6/15,5-83
		Water flow(l/h)/DP water (kPa)	370/8	490/10	600/15	700/19	780/22
6/11	32-40	Motor (kW)/Air outlet temp (°C-%HR)	3,8/13,1-87	5,2/14,5-83	6,4/15,6-81	7,5/16,5-79	8,5/17,2-77
		Water flow(l/h)/DP water (kPa)	650/17	890/28	1100/40	1280/51	1450/64
	27-50	Motor (kW)/Air outlet temp (°C-%HR)	3,0/12,3-90	4,1/13,5-88	5,0/14,4-86	5,8/15,1-84	6,6/15,6-83
		Water flow(l/h)/DP water (kPa)	510/11	700/20	860/26	1000/34	1130/41
	25-50	Motor (kW)/Air outlet temp (°C-%HR)	2,4/12,0-91	3,2/13,1-88	4,0/13,8-86	4,6/14,4-84	5,2/14,9-83
		Water flow(l/h)/DP water (kPa)	410/10	560/13	680/19	790/22	890/28

NEOTIME® 1300

Electric coil

Fresh air Flow rate (m³/h)	0° 1300	-5° 1300	-10° 1300	-15° 1300	-15°* 1300	0° 1300	-5° 1300	-10° 1300	-10°* 1300	-10° 1300	-15° 1300	-15°* 1300
Version	FIRST SEASON		SMART			PREMIUM BE				INFINITE BE		
			Preheating coil			Heating coil				Preheating + heating coil		
Total power kW	-		3,5			2,5				3,5+2,5		
Temp. °C on output from the unit	16,8	15,4	16,8	13,7	17,5	22,7	21,2	16,4	23,0	22,6	19,5	24,7

This data is provided to enable optimal regulation configuration relative to the exterior temperatures in question.
Permanent station output temperature, considering the proportional opening of the bypass to avoid exchanger frosting.
** 20% reduction of the NEW AIR flow rate (standard function).*