Zehnder Hexamotion™

Technical specification

always the best climate

Application

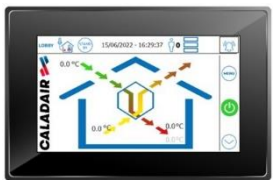
Self-regulating heat recovery unit, high efficiency and high performance for tertiary and industrial applications such as: offices, schools, day-care centers, shopping centers, catering facilities, etc.

Compact communicating unit for outdoor installation on a roof or indoor installation in a technical room.

All internal components are factory mounted and programmed according to the chosen configuration. It's our PLUG&PLAY - SET& FORGET™ concept !

Aluminium variable-speed rotary heat exchanger with over 80% efficiency (EN308), compliant with RE2020 and ErP Directive 2009/125/EC.

Air filtration and temperature management for optimal comfort and IAQ.



EUROVENT CERTIFIED PERFORMANCE
BLUETECH - N°21.03.72
www.eurovent-certification.com

Benefit for the user

- 9 different sizes with airflows ranging from 100 m³/h to 8 000 m³/h, so you can always choose the optimum unit size.
- Two configurations available for each size, with right (D) or left (G) access in the direction of fresh air.
- Version (S) incorporating a rotary sorption heat exchanger, providing energy savings in temperate zones and exploiting the humidity in the air. This creates a comfortable indoor climate for the well-being of the occupants.
- Optimal inside air quality thanks to possible dual filtration on fresh air (ePM1 55% [F7] + ePM10 50% [M5] or ePM1 80%[F9]). Included ePM10 50% [M5] filter for exhausted air.
- Silent operation is ensured by double-skinned panels with high-density thermal insulation (50 mm mineral wool). Thermal class T3 and airtightness class L1(M) [-400Pa] in accordance with EN 1886.
- User interfaces installed as standard with remoting possibility. Flexible and easy connection to BMS with on-board communication protocols (Modbus, BACnet and Web).
- Eurovent (N°21.03.72) certified solution, compliant with the requirements of the ErP 2018 directive.

Range

The Hexamotion™ range is available in 9 sizes which cover airflows from 100 m³/h to 8 000 m³/h and in 3 versions :

FIRST : unit used for temperate climatic zones, with dynamic temperature management to optimize energy consumption and comfort.
PREMIUM : unit equipped with a heating coil, either electric (BE), water change-over (CO) or direct expansion (DXR).
SEASON : unit used for temperate climatic zones, designed for air renewal in buildings with energy recovery, airflow adjustment by potentiometer.

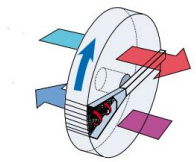
Airflow modulation

5 airflow modulation solutions with EASY 5.0 control ensure optimum energy consumption (RE 2020, EN 15232).

ECO : 2 speed settings (LS/HS) per fan.
MAC 2 : 2 constant airflows.
DIVA : proportional fan speed modulation on CO_2 levels.
QUATTRO : proportional airflow modulation on CO_2 levels.
LOBBY : constant pressure airflow modulation on each fan.

Rotary heat exchanger

High-efficiency aluminium rotary exchanger with variable speed (except SEASON). Exchanger in a rigid frame mounted on guides for easy extraction and maintenance, Eurovent certified in accordance with the AARE program with an efficiency of over 80% (EN 308).



Variable exchanger speed to improve unit performance, particularly in mid-season. Rotation detector connected to the EASY control unit to indicate operating status (except SEASON).

Version (S) featuring a rotary sorption heat exchanger, providing energy savings of around 65% in summer and 12.5% in winter in temperate zones.

Constitution

The Hexamotion™ range features the Eurovent (L1(M) [-400Pa]/D2/T3/TB3/F9) certified AIRTOP™ AND AIRSMART™ self-supporting model boxes in accordance with EN1886.

- 10/10th double-skin panels and 50 mm of M0 (A2-S1) high-density 60 kg/m3 mineral wool insulation.
- Exterior panels in RAL 9007 coated steel with protective film and interior in galvanized steel.
- Unit fitted as standard with dual seal round spigot on intake and outlet panels to guarantee network sealing, rectangular for size 80. Complaint with French CSTB ATEx n°13-224-V2.
- EASY 5.0 technical cabinet containing the electrical components and the control system (in the case of SEASON versions, the potentiometers).
- Access to all components and filters via a hinged lockable door featuring a IP65 LCD display and lockable main power cut-off switch.
- Outlets for hydraulic connections and condensate drainage (PREMIUM CO and DXR versions) on the unit side.
- Monobloc version for the first sizes, then multibloc (size 60 and 80) with simplified and quick mechanical and electrical connection.

Filters

As standard, the Hexamotion™ unit features factory-mounted filters that ensure an optimal indoor air quality.

Fresh Air

ePM1 filter 55% [F7] + optional double filtration stage (ePM10 50% [M5] or ePM1 80% [F9])

Extracted Air

ePM10 filter 50% [M5]

Filters are always mounted on slides for easy replacement, and ahead for components protection.

Fan motor

DC motor with high-efficiency electronic commutation (EC), thermal protection and integrated speed control. EC technology is an eco-friendly™ solution which brings low energy consumption and allows operating point monitoring, managing and controlling (airflow modulation from 10 to 100%). Low noise level for greater acoustic comfort.

Equipment and functions

The FIRST and PREMIUM versions are supplied as standard with an EASY 5.0 control system, communicating via MODBUS, BACNET or WEB (choice of language can be activated on site). It includes a PG 5.0 touchscreen control (IP54 protection class) for simple and direct access to parameters and functions.

EASY 5.0 can be optionally fitted with an USER room remote touch control EDT2, featuring a user interface and display for the main functions (temperature control, restart, fault...) (remote control up to 100 m).

- Internal timers for scheduled operation with 2 different airflows, programmable as required on site.
- Weekly and vacation schedule.
- Fresh air filter pressure switch with error feedback on the touchscreen control (dry contact relay for SEASON).
- Airflow pressure switch for each fan, with error feedback on the touchscreen control (dry contact relay for SEASON).
- Lockable main power cut-off switch and power cable pass-through integrated near the extracted air duct.

High-efficiency aluminium rotary exchanger with variable speed, managed by the controller providing FREE-COOLING, FREE-HEATING and NIGHT-COOLING functions. For the SEASON version, the rotary exchanger provides summer/winter management in On/Off mode using integrated thermostats.

- **FREE COOLING : i**n summer, when the outdoor temperature is lower than the set indoor temperature, the rotary heat exchanger slows down and rotates until it stops completely, bringing cold fresh air into the building. If this function is not sufficient to reach the set temperature, the optional cooling coil is activated.
- **FREE HEATING :** mainly in the off-season, when the outdoor temperature is higher than the indoor temperature, the rotary heat exchanger slows down and rotates until it stops completely, bringing warm fresh air into the building. If this function is not sufficient to reach the set temperature, the optional heating coil is activated.
- **NIGHT COOLING :** The Night Cooling function lowers the building's indoor temperature according to the weather conditions of the last 24 hours. For example, between midnight and 7 a.m. (adjustable time range), the Night Cooling function is activated if the outside temperature has exceeded 22°C (adjustable value) during the day (between 6 a.m. and 10 p.m.). The Night Cooling function is activated if the outdoor temperature is between 10 and 18°C (adjustable value) and if the extract air temperature is above 18°C (adjustable value).

4 temperature control modes to guarantee optimal energy consumption (RT2012, EN15232).

- **Constant supply air temperature** : Keeps the supply temperature at the setpoint.
- **Supply air temperature adjustable according to outdoor temperatures** : Outdoor conditions considered.
- **Constant extract air temperature** : Extract temperature management acting in cascade on the supply temperature.
- **Extracted air temperature adjustable according to outdoor temperatures** : Outdoor conditions considered.

Fire safety function (except SEASON) to control supply and extract fans according to 5 available modes in the control parameters (function can be activated on site). A pictogram of a fire alarm is displayed on the screen:

- **Stop** : Complete unit shutdown.
- **Continue** : Continuous start-up or operation of the unit without taking time schedules into account.
- **Under normal start/stop conditions** : Maintains the unit according to the schedule and parameters set on site.
- **Supply only** : Start or maintain supply air fan (extract at stop).
- **Extract only :** Start or maintain extract air fan (supply at stop).

Moreover, the Hexamotion™ features an "External Stop" digital input that enables a manually operated control (to be connected on site). In this case, the external control takes priority over any fire safety activated by one of the 5 modes above.

Installation

The structure of the Hexamotion™ features feet crimped into the structure, facilitating handling and ensuring a robust attachment to the ground. It is designed with an integrated roof allowing both indoor and outdoor installation.

Its compact size and reduced depth mean that it can be connected from the side using round spigots with seals, making installation simple, fast, airtight and economical, with no need for additional components (with the exception of size 80).

Climatic version

The Hexamotion™ features finishes to ensure optimal climatic comfort (except SEASON). These features are managed automatically by the "EASY 5.0" control system. The sensors needed to regulate the coils and fans built into the unit are factory-mounted, wired and tested to make the Hexamotion™ a true PLUG&PLAY - SET& FORGET™ unit:

- Temperature sensors (x3) integrated into the unit: supply, extract, and outdoor temperature.
- Integrated anti-frost thermostat (THA) to protect the hot coil on PREMIUM CO versions.
- Integrated overheating safety thermostat (THS) with manual reset to protect the electric heater on PREMIUM BE version.

The "EASY 5.0" control can manage the CBX-BF and CBX-DX external modules:

- Cold water module (CBX-BF) on all versions and changeover possible on FIRST version.
- CBX-DX R410A direct expansion module.

Unit version with different coils

Zehnder Hexamotion™	Integrated coil (s)							External module					
	Heating			Cooling		Changeover (Hot/Cold)		Heating		Cooling		Changeover (Hot/Cold)	
	Electric	Water	R410A	Water	R410A	Water	R410A	Water	DX	Water	DX	Water	DX
SEASON	-	-	-	-	-	-	-	-	-	-	-	-	-
FIRST	-	-	-	-	-	-	-	BC	DXR	BF	DX	-	-
	-	-	-	-	-	-	-	-	-	-	-	BF	DXR
PREMIUM BE	■	-	-	-	-	-	-	-	-	BF	DX	-	-
PREMIUM CO	-	■	-	-	-	-	-	-	-	BF	DX	-	-
	-	-	-	■	-	-	-	BC	DXR	-	-	-	-
	-	-	-	-	-	■	-	-	-	-	-	-	-
PREMIUM DXR	-	-	■	-	-	-	-	-	-	BF	-	-	-
	-	-	-	-	■	-	-	BC	-	-	-	-	-
	-	-	-	-	-	-	■	-	-	-	-	-	-

CLEARMOTION™, FEE™ et CLEARMOTION FEE™ module

Integrated after the unit, the CLEARMOTION™ module ensures the decontamination, and depollution of the supply air, while supporting the disinfection of Indoor Air and surfaces. This patented innovation is based on ionic oxidation, ionization and UV-C light to purify air and surfaces.

The generated oxidizing agents instantly degrade all the carbon chains inside the air treatment reactor, which are demineralized into stable molecules, H2O, O2, N2 and CO2.

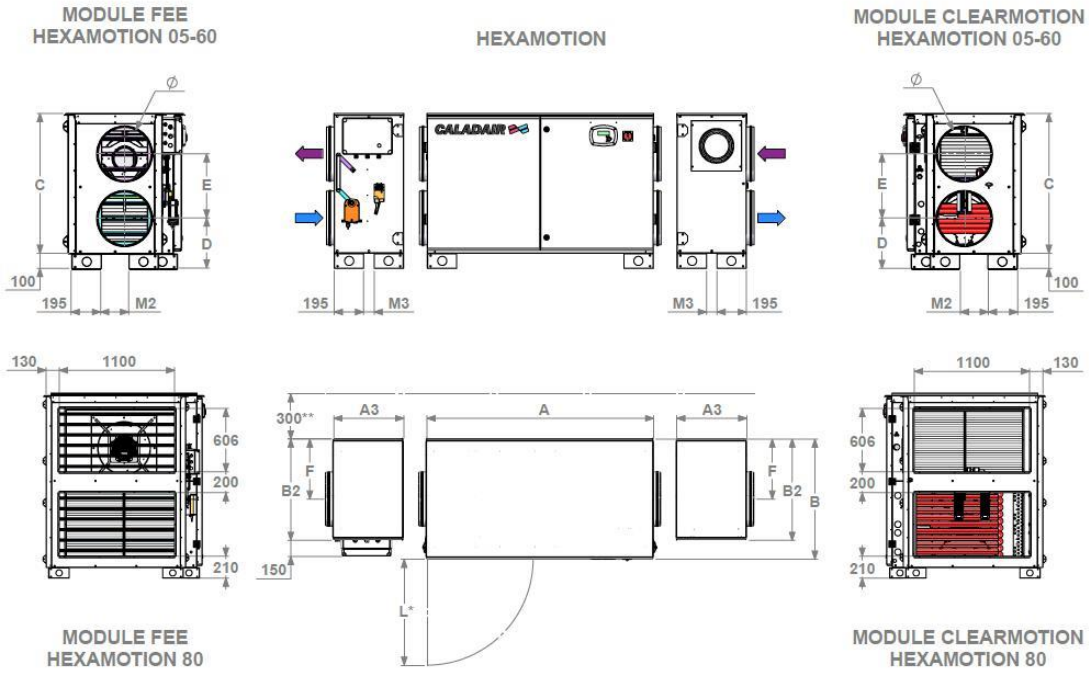
The reaction principle is similar to a standard photocatalysis process, but ionic oxidation creates a "mist" of oxidizing agents (natural oxidizing ions) that treats the entire polluted air volume while avoiding the creation of intermediate residues.

The FEE™ module (EASY 3.6 control for FEE™ equipped versions) is a 3-way mixing box installed above the unit in order to treat all the Indoor Air. The airflow is continuously adjusted by the control system according to 2 key criteria:

- The occupancy rate of the building, by measuring the concentration of CO2 in the return air.
- Thermal requirements, by measuring the outside air temperature and the inside temperature.

Thanks to air recirculation managed continuously by the control system, the concentration of disinfectants is increased throughout the system, even in the internal parts of the ventilation unit. A time slot for total air recycling during a period when the space is unoccupied can be managed and is recommended. The FEE™ module can be combined with the CLEARMOTION™ to form the HEXACLEAR FEE™.

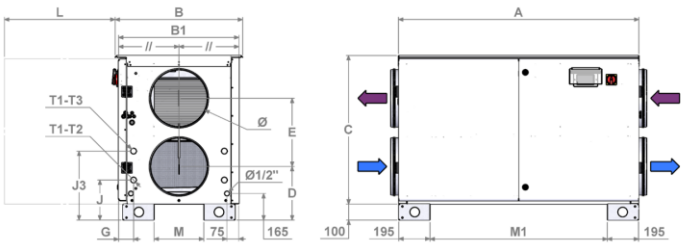
Zehnder HEXAMOTION™	Ø	A	A3	B	B2	C	D	E	F	M2	M3	L*	FEE module weight	CLEARMOTION module weight
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
05	200	1215	445	675	540	805	305	350	335	55	50	555	50	40
08	250	1345	465	805	670	925	335	410	400	185	70	620	60	45
15	355	1500	465	805	670	925	335	425	400	185	70	700	60	45
20	400	1525	465	885	750	1005	335	465	440	265	70	710	70	55
27	450	1730	515	975	840	1205	405	550	505	355	120	745	80	65
35	500	1730	515	1140	1005	1205	405	565	615	520	120	910	90	75
45	630	1860	575	1265	1100	1495	475	715	660	615	180	1035	120	95
60	630	2050	575	1465	1100	1495	475	715	660	615	180	1235	120	95
80	-	2260	575	1545	1380	1645	-	-	-	895	180	1315	150	120



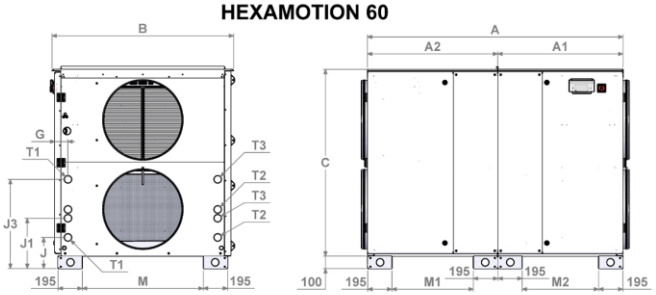
Dimensions characteristics

Zehnder HEXAMOTION™	Ø	A	A1	A2	B	B1	C	D	E	G	J	J1	J2	J3	L	M	M1	M2	T1	T2 OUT	T3 IN
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	EAU	DXR	DXR
05	200	1215	-	-	675	620	805	305	350	95	245	-	-	375	555	180	820	-	1/2"	1/2"	3/8"
08	250	1345	-	-	805	750	925	335	410	95	250	-	-	430	620	310	950	-	1/2"	5/8"	1/2"
15	355	1500	-	-	805	750	925	335	425	95	250	-	-	430	700	310	1105	-	1/2"	5/8"	1/2"
20	400	1525	-	-	885	830	1005	355	465	95	250	-	-	470	710	390	1130	-	1/2"	3/4"	1/2"
27	450	1730	-	-	975	920	1205	405	550	95	250	-	-	570	745	480	1335	-	1/2"	7/8"	5/8"
35	500	1730	-	-	1140	1085	1205	405	565	95	250	-	-	570	910	645	1335	-	3/4"	7/8"	5/8"
45	630	1860	-	-	1265	1210	1495	475	715	105	250	405	475	715	1035	770	635	635	1"	3/4"	1/2"
60	630	2050	1045	1005	1465	1410	1495	475	715	105	250	405	475	715	1235	970	652	612	1"	7/8"	5/8"
80	-	2260	1155	1105	1545	1490	1645	-	-	105	250	435	515	790	1315	1050	762	712	1"	1"1/8	3/4"

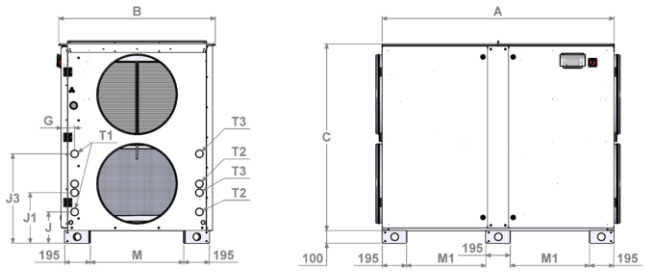
HEXAMOTION 05-35



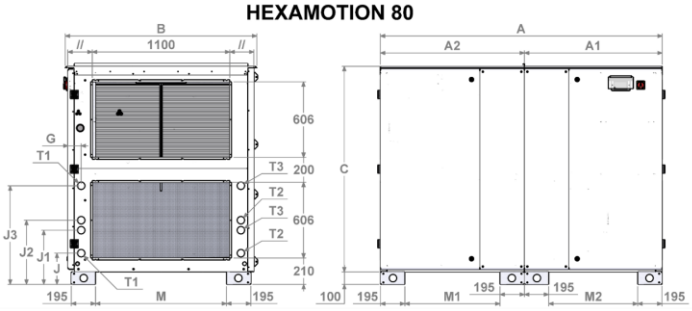
HEXAMOTION 60



HEXAMOTION 45

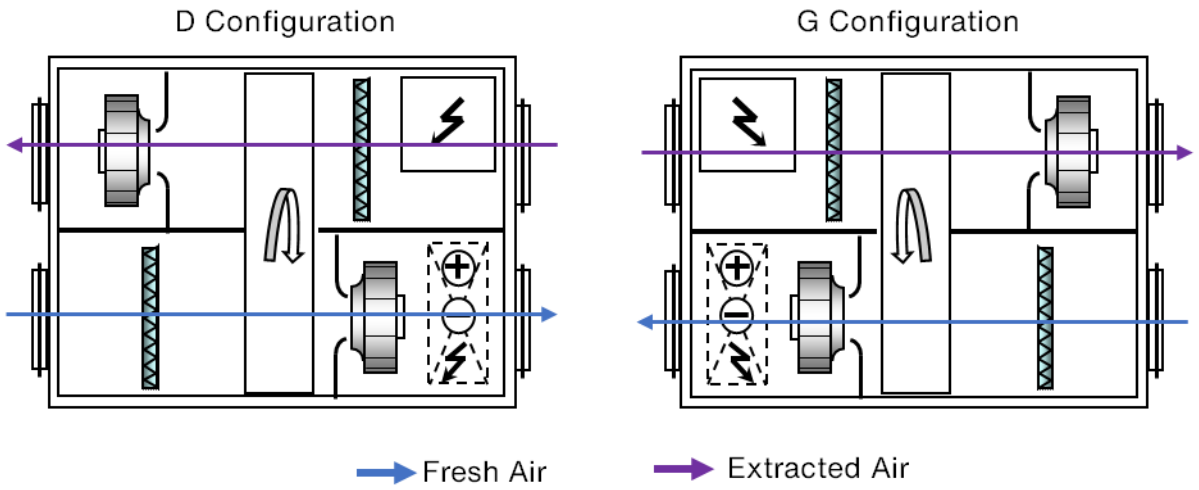


HEXAMOTION 80



Zehnder HEXAMOTION™	FIRST SEASON	PREMIUM BE	PREMIUM CO PREMIUM DXR
	kg	kg	kg
05	175	180	185
08	225	230	235
15	245	255	260
20	280	290	300
27	360	375	385
35	420	435	450
45	510	530	545
60	650	675	690
80	790	820	835

Configurations



Electrical characteristics

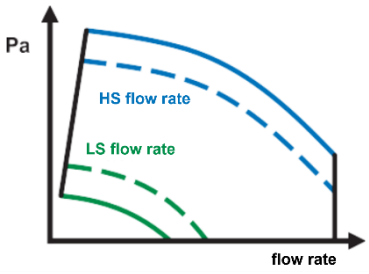
					SEASON / FIRST / PREMIUM CO&DXR		PREMIUM BE	
Zehnder Hexamotion™	Motor fan Power (W)	Operation temp. (°C / °C)	IP Motor fan /Class	Thermal protection*	Voltage (V/Ph/Hz)	Protection intensity (A)	Voltage (V/Ph/Hz)	Protection intensity (A)
05	2 x 169 W	-20 / 60	IP54 / B	PTI	230 / 1 / 50	3,8	230 / 1 / 50	14,7
08	2 x 220 W	-20 / 60	IP44 / B	PTI	230 / 1 / 50	4,4	230 / 1 / 50	20,7
15	2 x 480 W	-20 / 40	IP54 / B	PTI	230 / 1 / 50	5,3	230 / 1 / 50	28,1
20	2 x 750 W	-20 / 40	IP54 / B	PTI	230 / 1 / 50	7,6	400 / 3+N / 50	18,5
27	2 x 1000 W	-20 / 50	IP54 / B	PTI	400 / 3+N / 50	4,3	400 / 3+N / 50	23,8
35	2 x 1000 W	-20 / 50	IP54 / B	PTI	400 / 3+N / 50	4,3	400 / 3+N / 50	28,1
45	2 x 1700 W	-20 / 40	IP54 / B	PTI	400 / 3+N / 50	6,2	400 / 3+N / 50	40,9
60	2 x 1950 W	-20 / 50	IP54 / B	PTI	400 / 3+N / 50	7,3	400 / 3+N / 50	59,3
80	2 x 2730 W	-20 / 60	IP55 / F	PTI	400 / 3+N / 50	9,4	400 / 3+N / 50	78,7

* *PTI : Integrated thermal protection*

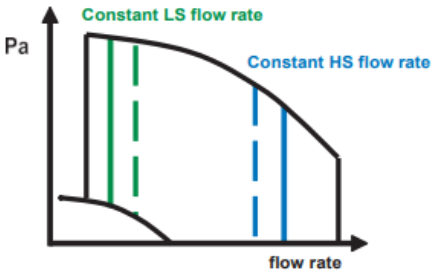
Airflow modulation

The Zehnder Hexamotion™ unit is equipped as standard with a factory-programmable control, which allows you to configure the following operating modes:

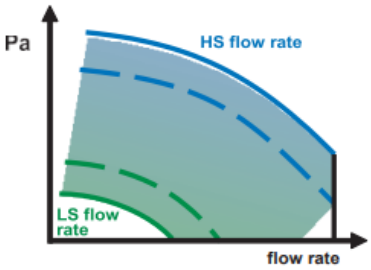
ECO : 2 speed settings (LS/HS) per fan.



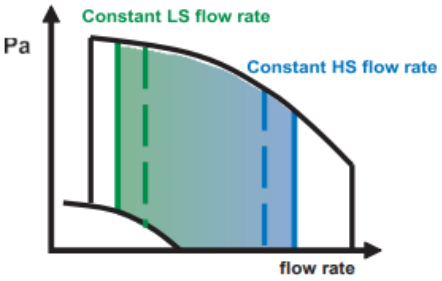
MAC 2 : 2 constant airflows.



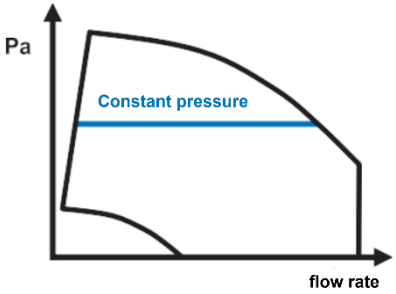
DIVA : proportional fan speed modulation on CO2 levels.



QUATTRO : proportional airflow modulation on CO2 levels.

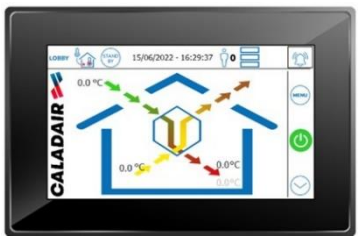


LOBBY : constant pressure airflow modulation on each fan.



EASY 5.0 : MASTER touchscreen control on the Hexamotion™ front panel near the proximity switch, which can be remoted as a wall-mounted control (optional second screen) for setting clocks, airflows, temperature, night over-ventilation monitoring and checking errors...

EDT2 : USER room remote touch control, temperature setpoint offset, 120 min restart, or information display (fan speed and status, operating mode, external forcing, temperature setpoint, and alarms).



General characteristics

Equipment	SEASON	FIRST	PREMIUM BE	PREMIUM CO	PREMIUM DXR
Low energy consumption EC motor fans	●	●	●	●	●
Fresh air filter, ePM1 55 % (F7)	●	●	●	●	●
Extract air filter, ePM10 50 % (M5)	●	●	●	●	●
High-efficiency rotary heat exchanger (>80%), EUROVENT certified	●	●	●	●	●
Variable heat exchanger speed	-	●	●	●	●
50 mm double skin, RAL9007	●	●	●	●	●
Dual seal round spigot (ATEC CSTB number 13-224-V2).	●	●	●	●	●
Communicative control via Modbus in RS485 or TCP/IP, BACnet IP, WEB TCP/IP (selectable)	-	●	●	●	●
Speed control (PV/GV) via EASY 5.0	-	●	●	●	●
Speed regulation potentiometer	●	-	-	-	-
Supply air temperature sensor	-	●	●	●	●
Extract air temperature sensor	-	●	●	●	●
Outdoor temperature sensor	●	●	●	●	●
Water coil anti-frost thermostat (THA)	-	-	-	●	-
Inclined condensate drain tray under changeover and reversible direct expansion coil	-	-	-	●	●
Electric heater over-heating thermostat	-	-	●	-	-
Lockable main power cut-off switch	●	●	●	●	●
Power cable pass-through	●	●	●	●	●

● : Equipment or function as standard
■ : Equipment or function as an option. Supplied mounted and wired at the factory
◆ : Equipment or function as an option. Supplied unmounted

General characteristics

Functions	SEASON	FIRST	PREMIUM BE	PREMIUM CO	PREMIUM DXR
Self-regulating electric preheater	-	-	●	-	-
Self-regulating change-over water coil (hot/cold)	-	-	-	●	-
Self-regulating direct expansion coil R410A	-	-	-	-	●
Free Cooling management	-	●	●	●	●
Free heating management	-	●	●	●	●
Night Cooling management	-	●	●	●	●
Optimum cold recovery control	-	●	●	●	●
Thermostatic cold recovery control (adjustable)	●	-	-	-	-
Optimum heat recovery control	-	●	●	●	●
Thermostatic heat recovery control (adjustable)	●	-	-	-	-
Fan overheating prevention	●	●	●	●	●
Supply air temperature management	-	●	●	●	●
Extract air temperature management	-	●	●	●	●
Weekly schedule	-	●	●	●	●
Holidays and vacation schedule	-	●	●	●	●
Fresh air filter pressure switch	●	●	●	●	●
Airflow pressure switch (supply + extract)	●	●	●	●	●
Fire safety functions following 5 available modes	-	●	●	●	●

●: Equipment or function as standard
■: Equipment or function as an option. Supplied mounted and wired at the factory
◆: Equipment or function as an option. Supplied unmounted

General characteristics

Airflow modulation options	SEASON	FIRST	PREMIUM BE	PREMIUM CO	PREMIUM DXR
ECO : 2 speed settings (LS/HS) per fan	-	■	■	■	■
MAC 2 : 2 constant airflow per fan. Integrated pressure sensor	-	■	■	■	■
DIVA : proportional modulation for each fan speeds	-	■	■	■	■
LOBBY : constant-pressure airflow modulation for each fan	-	■	■	■	■
ECO : 2 speed settings (LS/HS) per fan	-	■	■	■	■

Further options	SEASON	FIRST	PREMIUM BE	PREMIUM CO	PREMIUM DXR
Summer / Winter thermostat	-	◆	-	◆	-
USER room remote touch control (EDT2)	-	◆	◆	◆	◆
Extracted air filter pressure switch	◆	◆	◆	◆	◆

● : Equipment or function as standard
■ : Equipment or function as an option. Supplied mounted and wired at the factory
◆ : Equipment or function as an option. Supplied unmounted

Softwair.fr™
CALADAIR MATRIX SOLUTION

The information provided in this documentation are general information for the Hexamotion™ range. All technical performances refer to the nominal airflow of each size. Therefore, it is recommended for your projects to dimension your units using the Softwair selection software, with Eurovent EN1886 certified results.

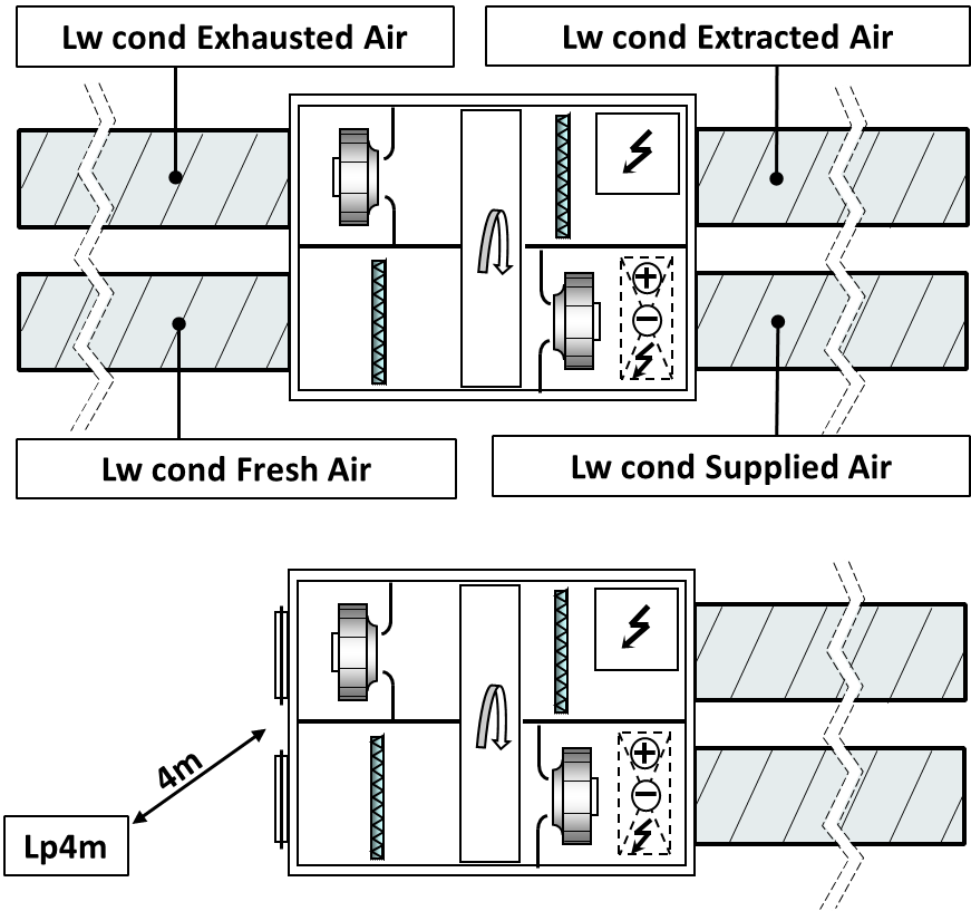
Acoustic characteristics

The Lp4m dB(A) curves correspond to the sound pressure level at 4m in a hemispherical open field on a reflecting plan, with the "fresh air" and "exhaust air" sides unconnected, and the "supply air" and " extract air" sides connected.

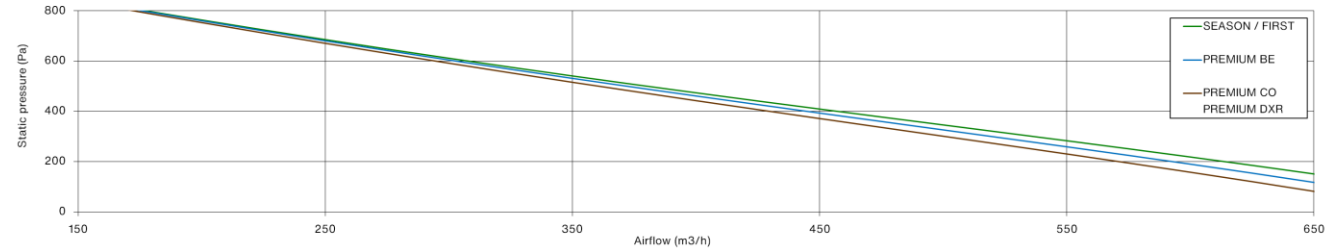
To obtain the global sound pressure level Lp dB(A), at a certain distance, add the values below to Lp4m.

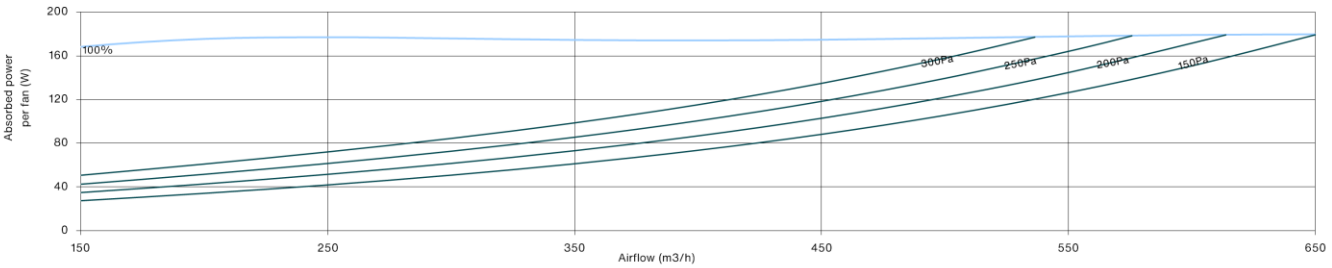
Distance (m)	1,5	3	4	5	7	10
Weighting dB(A)	9	3	0	-2	-5	-8

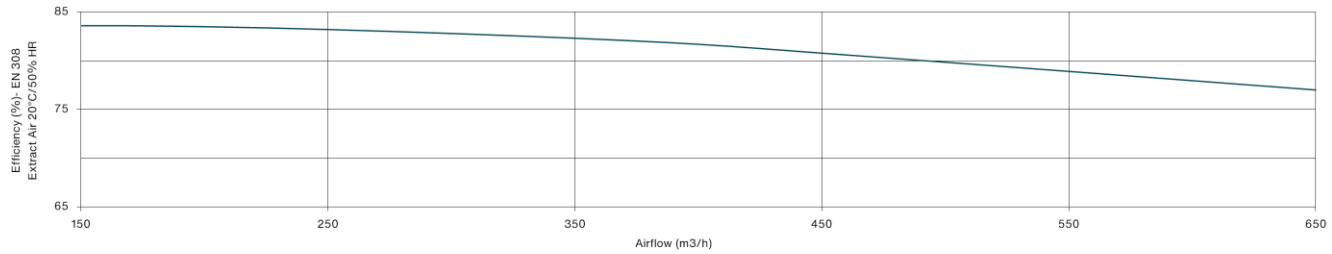
Tolerance : global value +/- 3 dB(A)
acoustic spectrum +/- 5 dB(A)

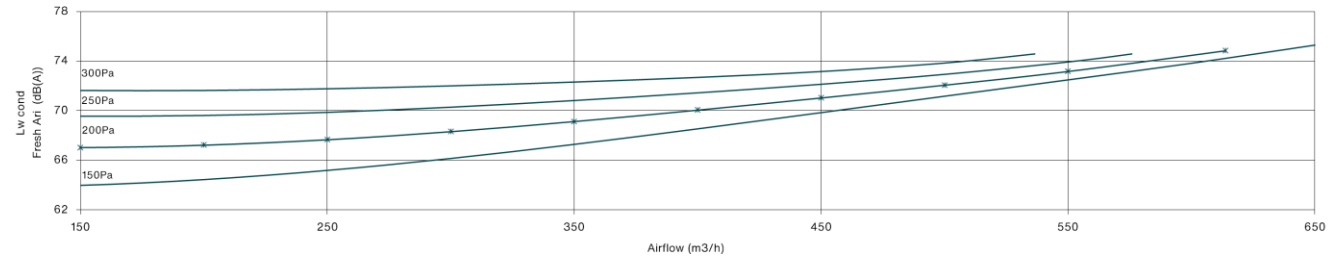


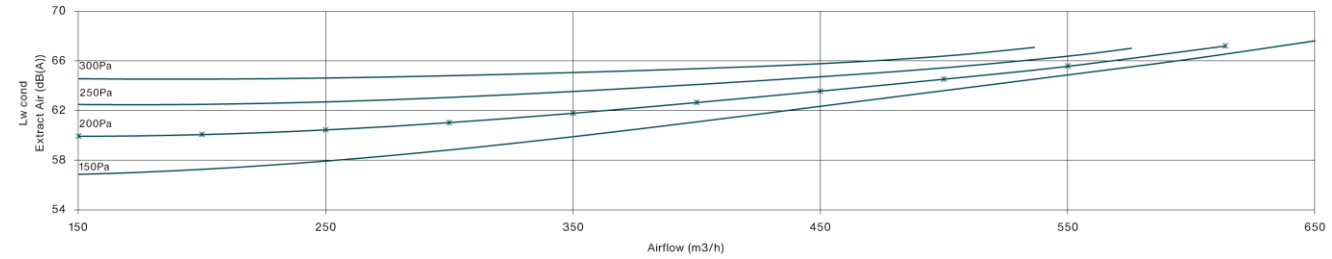
Selection curves Zehnder Hexamotion™ 05

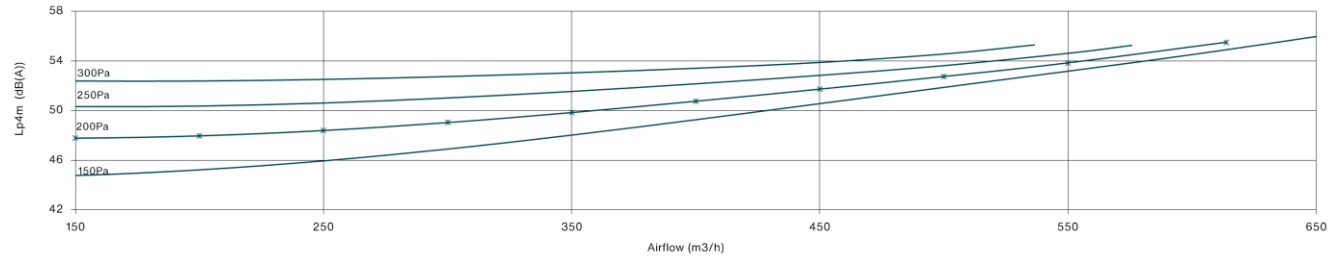












Reversible water coil performance characteristics Zehnder Hexamotion™ 05

CO for PREMIUM versions								Changeover coil
Water Temp. °C / °C	**Air entry Temp.** °C	**Airflow** m3/h	**100**	**200**	**300**	**400**	**500**	**600**
80 / 60	11	Power (kW) / Supply air (°C)	1,8 / 64,2	3,1 / 56,5	4,2 / 51,7	5,1 / 48,3	5,9 / 45,6	6,7 / 43,4
		Waterflow (l/h) / Water DP (kPa)	80 / 0,5	136 / 1,3	183 / 2,2	223 / 3,2	259 / 4,2	291 / 5,1
	15	Power (kW) / Supply air (°C)	1,7 / 64,7	2,9 / 57,4	3,9 / 52,9	4,8 / 49,7	5,5 / 47,2	6,2 / 45,2
		Waterflow (l/h) / Water DP (kPa)	74 / 0,4	127 / 1,1	170 / 1,9	208 / 2,8	241 / 3,7	271 / 4,5
60 / 50	11	Power (kW) / Supply air (°C)	1,3 / 50,1	2,3 / 44,7	3,1 / 41,3	3,8 / 38,9	4,4 / 36,9	5,0 / 35,3
		Waterflow (l/h) / Water DP (kPa)	116 / 1,0	200 / 2,7	270 / 4,7	331 / 6,8	385 / 8,9	433 / 11,1
	15	Power (kW) / Supply air (°C)	1,2 / 50,6	2,1 / 45,7	2,8 / 42,6	3,5 / 40,3	4,0 / 38,5	4,5 / 37,1
		Waterflow (l/h) / Water DP (kPa)	106 / 0,9	182 / 2,3	246 / 4,0	301 / 5,7	349 / 7,5	393 / 9,3
45 / 40	11	Power (kW) / Supply air (°C)	0,9 / 38,7	1,6 / 35,0	2,2 /32,7	2,7 / 30,9	3,2 / 29,6	3,6 / 28,5
		Waterflow (l/h) / Water DP (kPa)	164 / 2,0	284 / 5,4	384 / 9,3	472 / 13,5	549 / 17,8	619 / 22,1
	15	Power (kW) / Supply air (°C)	0,8 / 39,2	1,4 / 36,0	1,9 / 33,9	2,4 / 32,4	2,8 / 31,2	3,1 / 30,2
		Waterflow (l/h) / Water DP (kPa)	143 / 1,6	248 / 4,2	335 / 7,3	411 / 10,5	478 / 13,8	539 / 17,2
7 / 12	32 - 40	Power (kW) / Supply air (°C)	0,9 / 12,9-90	1,6 / 15,6-84	2,1 / 17,2-79	2,5 / 18,5-76	2,8 / 19,4-74	3,1 / 20,2-72
		Waterflow (l/h) / Water DP (kPa)	163 / 2,3	271 / 5,7	354 / 9,3	422 / 12,8	480 / 16,1	530 / 19,3
	27 - 50	Power (kW) / Supply air (°C)	0,7 / 12,4-93	1,2 / 14,5-87	1,6 / 15,8-84	1,9 / 16,8-81	2,1 / 17,5-79	2,4 / 18,1-78
		Waterflow (l/h) / Water DP (kPa)	127 / 1,5	209 / 3,6	272 / 5,8	324 / 7,9	367 / 9,9	405 / 11,8
	25 - 50	Power (kW) / Supply air (°C)	0,6 / 12,4-92	0,9 / 14,2-87	1,2 / 15,3-84	1,4 / 16,1-81	1,6 / 16,7-79	1,8 / 17,2-78
		Waterflow (l/h) / Water DP (kPa)	97 / 0,9	158 / 2,2	205 / 3,4	245 / 4,8	280 / 6,1	310 / 7,3
6 / 11	32 - 40	Power (kW) / Supply air (°C)	1,0 / 12,0-91	1,7 / 14,8-84	2,2 / 16,6-79	2,7 / 17,9-76	3,0 / 18,9-74	3,3 / 19,7-72
		Waterflow (l/h) / Water DP (kPa)	175 / 2,6	292 / 6,6	383 / 10,7	457 / 14,8	520 / 18,7	575 / 22,5
	27 - 50	Power (kW) / Supply air (°C)	0,8 / 11,5-93	1,3 / 13,7-88	1,8 / 15,2-84	2,1 / 16,2-81	2,4 / 17,0-80	2,6 / 17,6-78
		Waterflow (l/h) / Water DP (kPa)	139 / 1,7	230 / 4,3	300 / 6,9	358 / 9,5	407 / 12,0	449 / 14,4
	25 - 50	Power (kW) / Supply air (°C)	0,6 / 11,5-93	1,1 / 13,3-87	1,4 / 14,5-84	1,7 / 15,4-81	1,9 / 16,1-79	2,1 / 16,6-78
		Waterflow (l/h) / Water DP (kPa)	108 / 1,1	184 / 2,8	239 / 4,6	284 / 6,3	323 / 7,9	356 / 9,4

Electric coil performance characteristics Zehnder Hexamotion™ 05

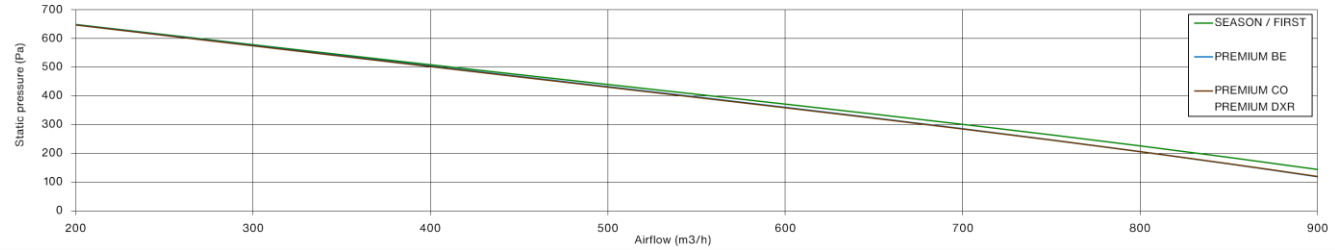
BE for unit version							Electric coil
Fresh airflow	**0°C**	**-5**	**0°C**	**-5°C**	**-10°C**	**-15**	**-20**
(m^3/h)	500		500				
Version	FIRST, SEASON		PREMIUM BE Heater coil				
Power (kW)	-		2,5				
Outlet temperature (°C)	16,2	15,2	31,2	30,2	29,3	28,3	27,3

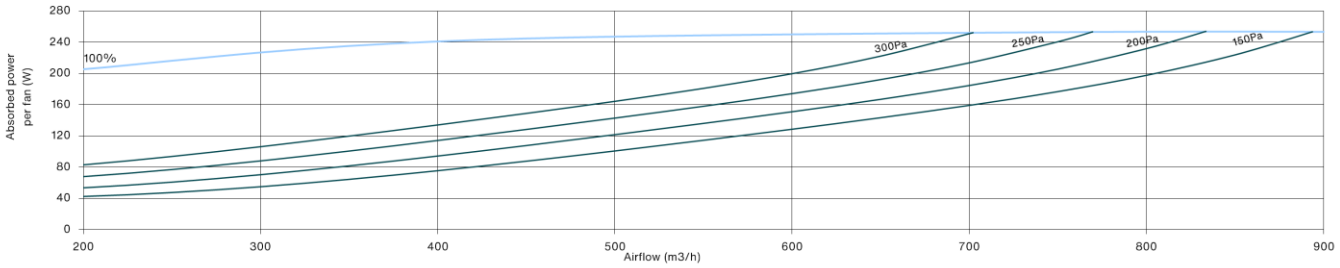
These data are provided for optimal control configuration according to the outdoor temperatures in question.

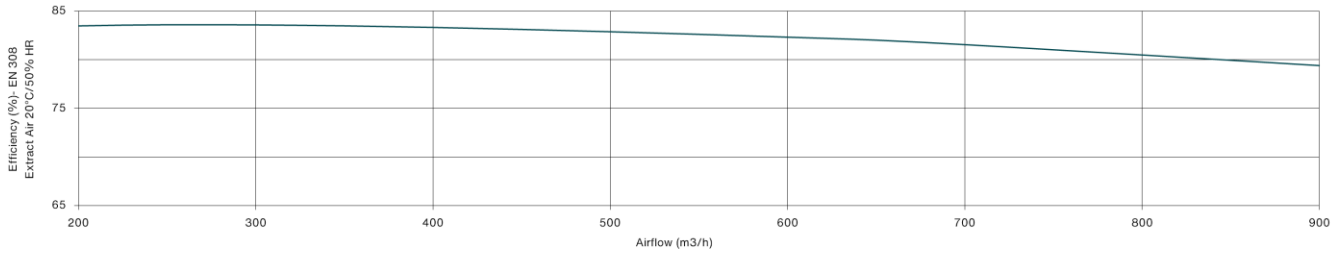
Reversible direct expansion coil performance characteristics Zehnder Hexamotion™ 05

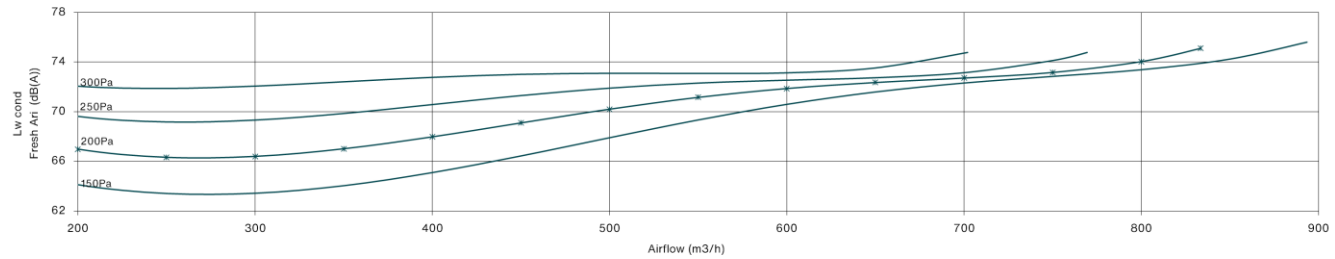
DXR for unit versions	R410A coil
Please refer to Softwair selection software	

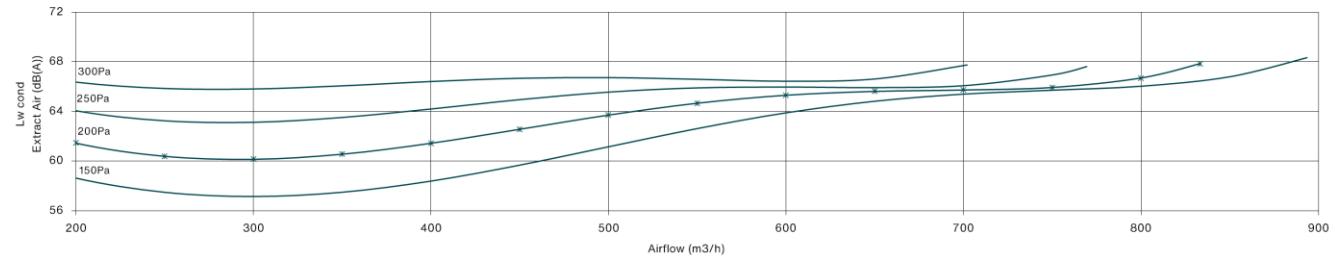
Selection curves Zehnder Hexamotion™ 08

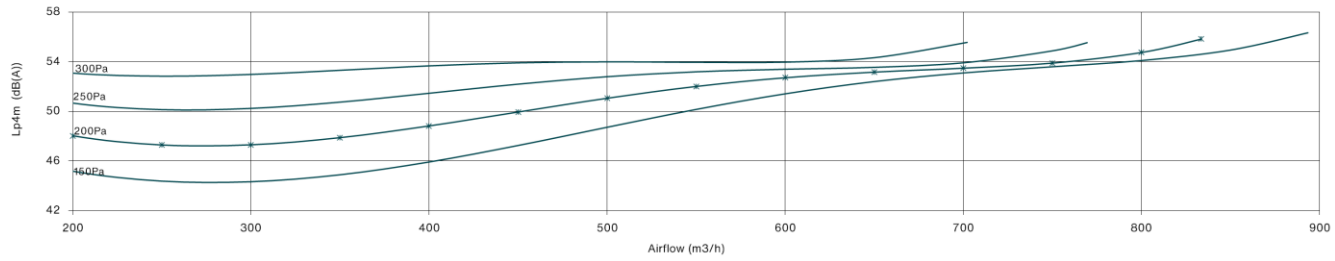












Reversible water coil performance characteristics Zehnder Hexamotion™ 08

CO for PREMIUM versions									Changeover coil
Water Temp. °C / °C	Air entry Temp. °C	Airflow m3/h	200	300	400	500	600	700	800
80 / 60	11	Power (kW) / Supply air (°C)	3,6 / 63,5	4,9 / 58,7	6,1 / 55,4	7,1 / 52,7	8,1 / 50,6	9,0 / 48,7	9,9 / 47,1
		Waterflow (l/h) / Water DP (kPa)	157 / 2,5	214 / 4,3	266 / 6,3	313 / 8,5	355 / 10,7	395 / 13,0	432 / 15,3
	15	Power (kW) / Supply air (°C)	3,4 / 64,1	4,6 / 59,6	5,7 / 56,4	6,7 / 54,0	7,6 / 51,9	8,4 / 50,2	9,2 / 48,6
		Waterflow (l/h) / Water DP (kPa)	147 / 2,2	200 / 3,8	248 / 5,6	292 / 7,5	332 / 9,5	369 / 11,5	403 / 13,5
60 / 50	11	Power (kW) / Supply air (°C)	2,6 / 49,5	3,6 / 46,1	4,5 / 43,8	5,3 / 41,9	6,0 / 40,4	6,7 / 39,0	7,3 / 37,8
		Waterflow (l/h) / Water DP (kPa)	229 / 5,1	313 / 9,0	390 / 13,3	459 / 17,9	523 / 22,7	583 / 27,6	638 / 32,5
	15	Power (kW) / Supply air (°C)	2,4 / 50,1	3,3 / 47,0	4,1 / 44,9	4,8 / 43,1	5,5 / 41,7	6,1 / 40,5	6,7 / 39,4
		Waterflow (l/h) / Water DP (kPa)	209 / 4,3	285 / 7,6	355 / 11,2	418 / 15,1	476 / 19,1	530 / 23,2	580 / 27,4
45 / 40	11	Power (kW) / Supply air (°C)	1,9 / 38,2	2,6 / 35,9	3,2 /34,3	3,8 / 33,0	4,3 / 31,9	4,8 / 31,0	5,2 / 30,1
		Waterflow (l/h) / Water DP (kPa)	322 / 9,8	442 / 17,5	551 / 26,0	651 / 35,1	742 / 44,6	827 / 54,3	905 / 63,9
	15	Power (kW) / Supply air (°C)	1,6 / 38,8	2,2 / 36,8	2,8 / 35,4	3,3 / 34,2	3,8 / 33,3	4,2 / 32,5	4,6 / 31,7
		Waterflow (l/h) / Water DP (kPa)	282 / 7,7	387 / 13,7	482 / 20,4	569 / 27,5	648 / 34,9	722 / 42,5	791 / 50,1
7 / 12	32 - 40	Power (kW) / Supply air (°C)	1,9 / 13,0-89	2,6 / 14,6-85	3,1 / 15,8-82	3,6 / 16,8-79	4,1 / 17,6-77	4,5 / 18,2-76	4,8 / 18,8-74
		Waterflow (l/h) / Water DP (kPa)	327 / 11,7	441 / 20,2	540 / 29,1	626 / 38,0	702 / 46,8	770 / 55,5	833 / 63,8
	27 - 50	Power (kW) / Supply air (°C)	1,5 / 12,4-91	2,0 / 13,7-88	2,5 / 14,6-86	2,8 / 15,4-84	3,2 / 16,0-82	3,5 / 16,5-81	3,8 / 17,0-80
		Waterflow (l/h) / Water DP (kPa)	257 / 7,6	345 / 13,0	421 / 18,6	487 / 24,2	546 / 29,7	599 / 35,1	647 / 40,4
	25 - 50	Power (kW) / Supply air (°C)	1,2 / 12,3-91	1,5 / 13,4-88	1,9 / 14,1-86	2,2 / 14,7-84	2,5 / 15,3-82	2,7 / 15,7-81	3,0 / 16,1-80
		Waterflow (l/h) / Water DP (kPa)	198 / 4,7	264 / 8,0	332 / 12,1	384 / 15,7	429 / 19,2	470 / 22,7	508 / 26,0
6 / 11	32 - 40	Power (kW) / Supply air (°C)	2,0 / 12,2-89	2,8 / 13,8-85	3,4 / 15,1-82	3,9 / 16,1-80	4,4 / 16,9-78	4,8 / 17,6-76	5,2 / 18,3-74
		Waterflow (l/h) / Water DP (kPa)	349 / 13,3	473 / 23,1	580 / 33,3	673 / 43,6	756 / 53,9	831 / 63,9	898 / 73,6
	27 - 50	Power (kW) / Supply air (°C)	1,6 / 11,5-92	2,2 / 12,9-89	2,7 / 13,9-86	3,1 / 14,7-84	3,5 / 15,3-83	3,8 / 15,9-81	4,1 / 16,4-80
		Waterflow (l/h) / Water DP (kPa)	279 / 8,9	377 / 15,3	461 / 22,0	534 / 28,7	599 / 35,4	658 / 41,9	711 / 48,2
	25 - 50	Power (kW) / Supply air (°C)	1,3 / 11,3-91	1,8 / 12,4-88	2,2 / 13,3-86	2,5 / 14,0-84	2,8 / 14,6-82	3,1 / 15,1-81	3,3 / 15,5-80
		Waterflow (l/h) / Water DP (kPa)	227 / 6,1	306 / 10,4	372 / 14,9	431 / 19,4	483 / 23,9	529 / 28,3	572 / 32,5

Electric coil performance characteristics Zehnder Hexamotion™ 08

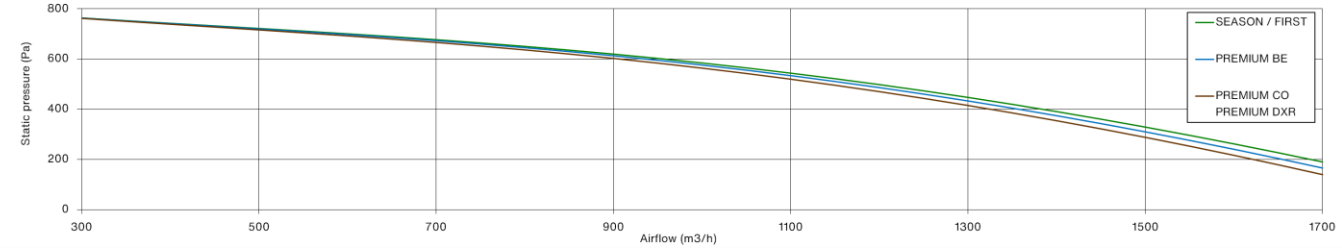
BE for unit version							Electric coil
Fresh airflow	**0°C**	**-5**	**0°C**	**-5°C**	**-10°C**	**-15**	**-20**
(m^3/h)	800		800				
Version	FIRST, SEASON		PREMIUM BE Heater coil				
Power (kW)	-		3,75				
Outlet temperature (°C)	16,4	15,5	30,5	29,6	28,7	27,7	26,8

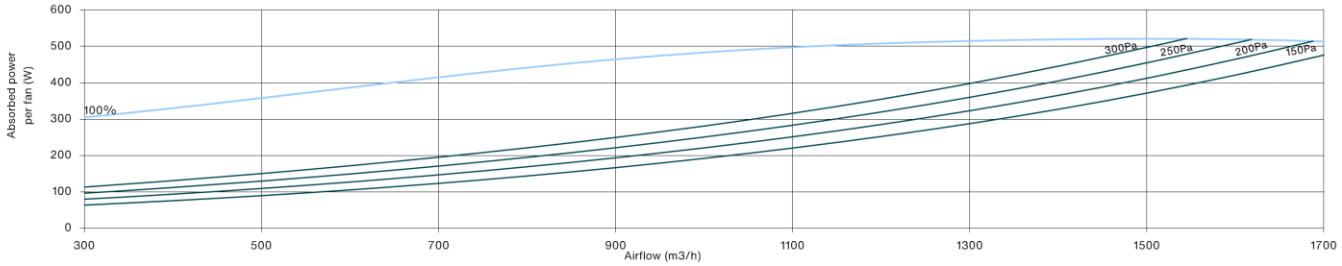
These data are provided for optimal control configuration according to the outdoor temperatures in question.

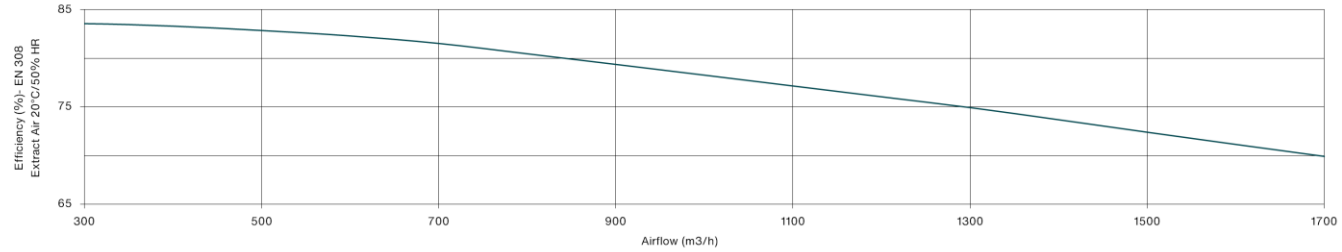
Reversible direct expansion coil performance characteristics Zehnder Hexamotion™ 08

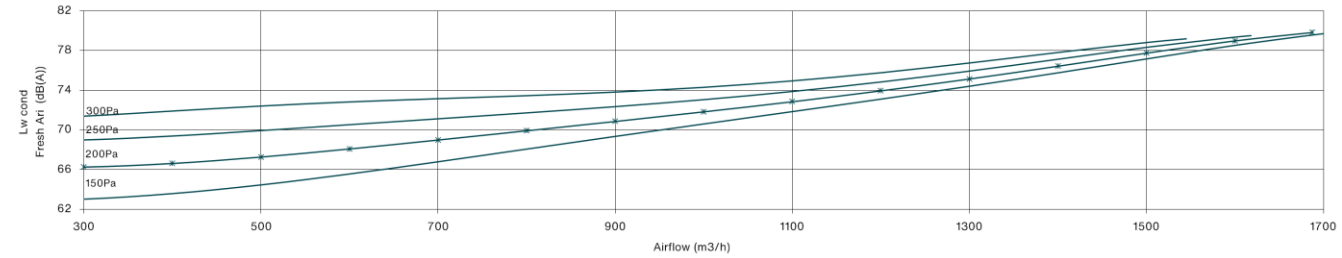
DXR for unit versions	R410A coil
Please refer to Softwair selection software	

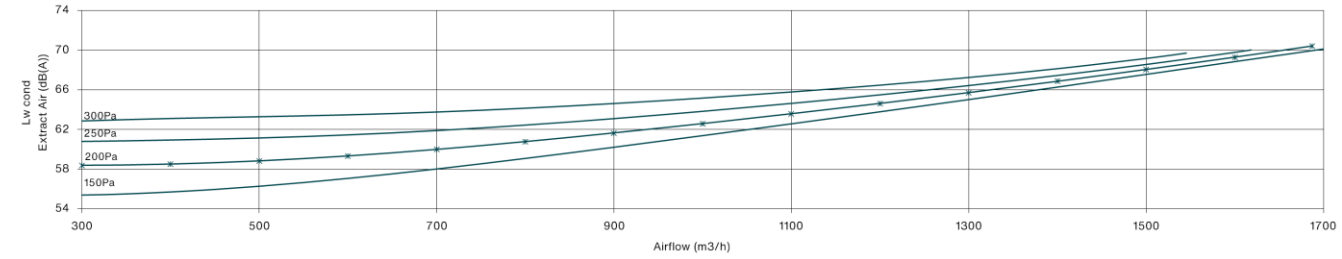
Selection curves Zehnder Hexamotion™ 15

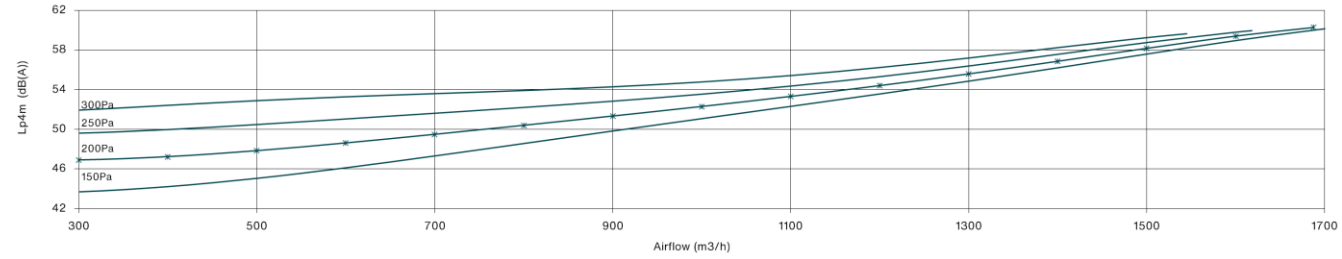












Reversible water coil performance characteristics Zehnder Hexamotion™ 15

CO for PREMIUM versions									Changeover coil
Water Temp. °C / °C	Air entry Temp. °C	Airflow m3/h	500	700	900	1100	1300	1500	1700
80 / 60	11	Power (kW) / Supply air (°C)	7,5 / 54,2	9,6 / 50,2	11,4 / 47,2	13,0 / 44,8	14,4 / 42,8	15,7 / 41,1	17,0 / 39,6
		Waterflow (l/h) / Water DP (kPa)	331 / 4,0	420 / 6,2	498 / 8,4	568 / 10,7	631 / 13,0	690 / 15,3	744 / 17,5
	15	Power (kW) / Supply air (°C)	7,0 / 55,3	8,9 / 51,6	10,6 / 48,7	12,1 / 46,5	13,4 / 44,6	14,7 / 43,0	15,8 / 41,6
		Waterflow (l/h) / Water DP (kPa)	308 / 3,5	392 / 5,4	464 / 7,4	529 / 9,4	588 / 11,4	642 / 13,4	692 / 15,4
60 / 50	11	Power (kW) / Supply air (°C)	5,6 / 43,0	7,1 / 40,2	8,5 / 38,0	9,7 / 36,2	10,8 / 34,8	11,8 / 33,5	12,7 / 32,4
		Waterflow (l/h) / Water DP (kPa)	486 / 8,4	620 / 13,1	736 / 18,0	841 / 23,0	937 / 28,0	1025 / 32,9	1106 / 37,9
	15	Power (kW) / Supply air (°C)	5,1 / 44,2	6,5 / 41,5	7,7 / 39,5	8,8 / 37,9	9,8 / 36,6	10,7 / 35,5	11,6 / 34,5
		Waterflow (l/h) / Water DP (kPa)	442 / 7,1	564 / 11,0	669 / 15,1	765 / 19,3	851 / 23,5	931 / 27,6	1005 / 31,8
45 / 40	11	Power (kW) / Supply air (°C)	4,0 / 33,8	5,1 / 31,8	6,1 /30,3	6,9 / 29,0	7,7 / 28,0	8,5 / 27,1	9,1 / 26,4
		Waterflow (l/h) / Water DP (kPa)	689 / 16,6	880 / 25,9	1047 / 35,6	1198 / 45,6	1335 / 55,6	1462 / 65,6	1579 / 75,6
	15	Power (kW) / Supply air (°C)	3,5 / 34,9	4,4 / 33,2	5,3 / 31,8	6,0 / 30,7	6,7 / 29,8	7,4 / 29,1	8,0 / 28,4
		Waterflow (l/h) / Water DP (kPa)	602 / 12,9	768 / 20,2	914 / 27,8	1045 / 35,5	1165 / 43,3	1275 / 51,0	1377 / 58,8
7 / 12	32 - 40	Power (kW) / Supply air (°C)	3,8 / 16,3-81	4,8 / 17,7-77	5,5 / 18,8-75	6,2 / 19,7-72	6,8 / 20,4-71	7,3 / 21,0-69	7,8 / 21,5-68
		Waterflow (l/h) / Water DP (kPa)	660 / 17,7	819 / 26,1	950 / 34,3	1064 / 42,1	1163 / 49,6	1252 / 56,7	1332 / 63,5
	27 - 50	Power (kW) / Supply air (°C)	3,0 / 15,0-85	3,7 / 16,1-82	4,3 / 17,0-80	4,8 / 17,7-78	5,2 / 18,2-77	5,6 / 18,7-76	6,0 / 19,1-75
		Waterflow (l/h) / Water DP (kPa)	512 / 11,1	633 / 16,4	734 / 21,4	821 / 26,3	897 / 30,9	965 / 35,3	1026 / 39,5
	25 - 50	Power (kW) / Supply air (°C)	2,3 / 14,6-85	2,8 / 15,6-82	3,2 / 16,3-80	3,6 / 16,9-78	4,0 / 17,3-77	4,3 / 17,6-76	4,6 / 18,0-74
		Waterflow (l/h) / Water DP (kPa)	388 / 6,7	477 / 9,8	555 / 12,9	624 / 15,9	682 / 18,7	741 / 21,8	789 / 24,5
6 / 11	32 - 40	Power (kW) / Supply air (°C)	4,1 / 15,6-81	5,1 / 17,1-78	6,0 / 18,2-75	6,7 / 19,2-73	7,3 / 19,9-71	7,9 / 20,5-69	8,4 / 21,1-68
		Waterflow (l/h) / Water DP (kPa)	711 / 20,3	883 / 30,2	1027 / 39,7	1150 / 48,8	1259 / 57,6	1355 / 65,9	1443 / 73,9
	27 - 50	Power (kW) / Supply air (°C)	3,3 / 14,3-86	4,1 / 15,5-83	4,7 / 16,4-80	5,3 / 17,1-79	5,8 / 17,7-77	6,2 / 18,2-76	6,6 / 18,6-75
		Waterflow (l/h) / Water DP (kPa)	562 / 13,2	697 / 19,6	810 / 25,7	906 / 31,6	991 / 37,2	1067 / 42,6	1136 / 47,7
	25 - 50	Power (kW) / Supply air (°C)	2,6 / 13,7-85	3,3 / 14,8-82	3,8 / 15,6-80	4,2 / 16,2-78	4,6 / 16,7-77	5,0 / 17,1-76	5,3 / 17,5-75
		Waterflow (l/h) / Water DP (kPa)	452 / 8,9	559 / 13,1	648 / 17,1	724 / 21,0	792 / 24,7	852 / 28,2	906 / 31,6

Electric coil performance characteristics Zehnder Hexamotion™ 15

BE for unit version							Electric coil
Fresh airflow	**0°C**	**-5**	**0°C**	**-5°C**	**-10°C**	**-15**	**-20**
(m^3/h)	1500		1500				
Version	FIRST, SEASON		PREMIUM BE Heater coil				
Power (kW)	-		5,25				
Outlet temperature (°C)	14,5	13,1	25,0	23,6	22,2	20,7	19,3

These data are provided for optimal control configuration according to the outdoor temperatures in question.

Reversible direct expansion coil performance characteristics Zehnder Hexamotion™ 15

DXR for unit versions	R410A coil
Please refer to Softwair selection software	

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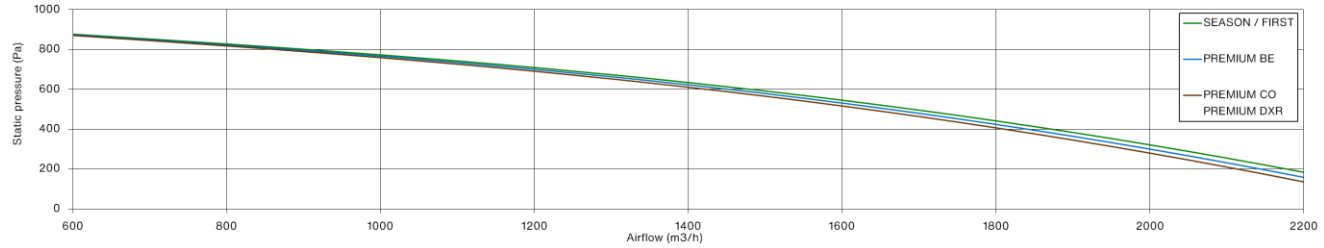
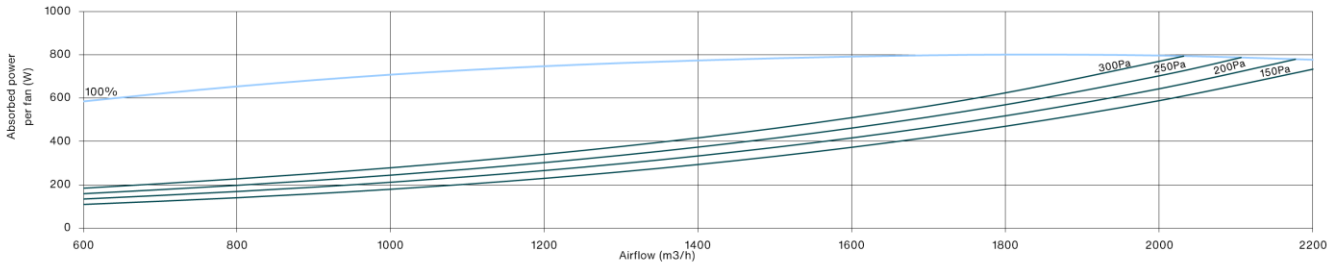
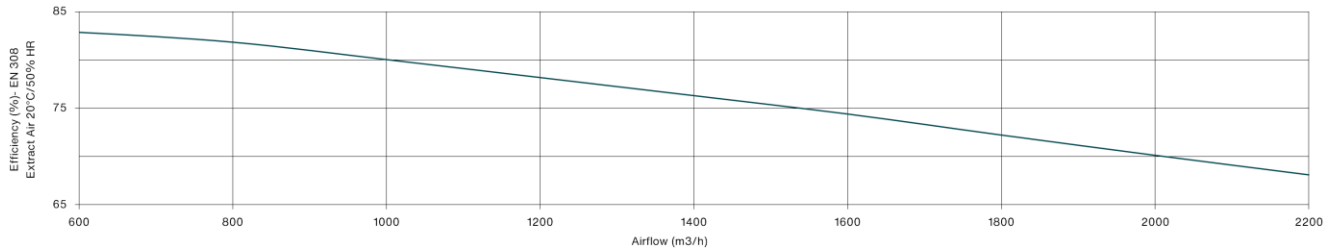
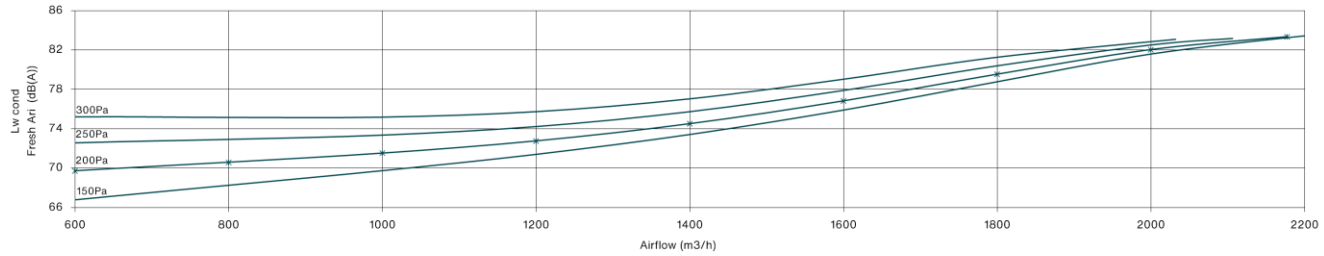
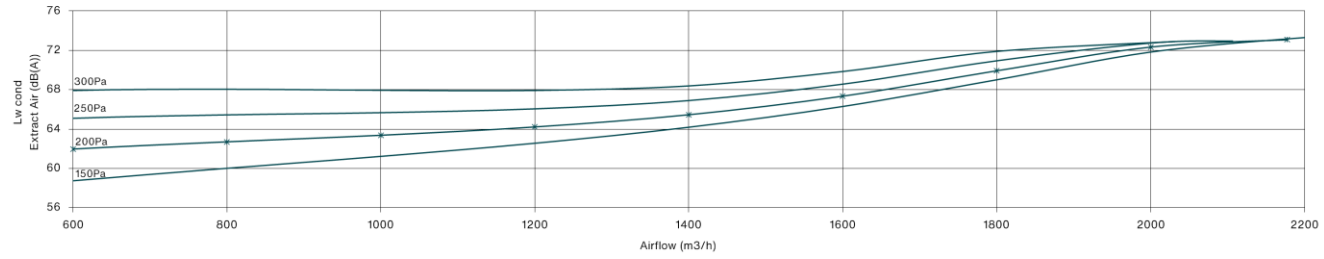
Selection curves Zehnder Hexamotion™ 20

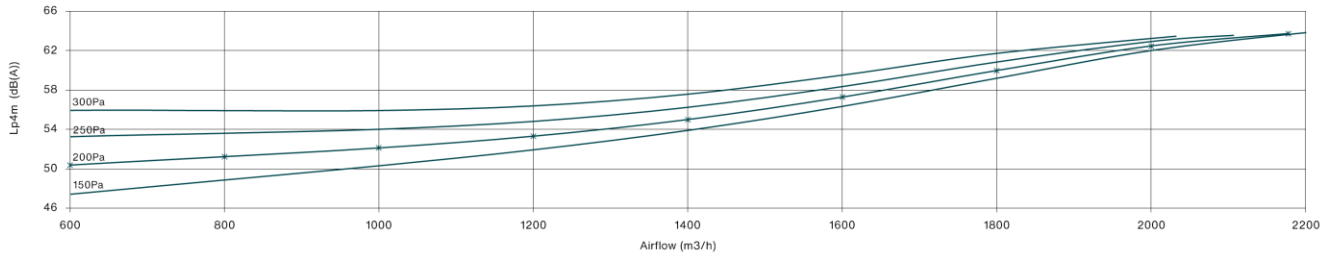












Reversible water coil performance characteristics Zehnder Hexamotion™ 20

CO for PREMIUM versions									Changeover coil
Water Temp. °C / °C	Air entry Temp. °C	Airflow m3/h	800	1000	1200	1400	1 600	1800	2000
80 / 60	11	Power (kW) / Supply air (°C)	11,3 / 52,4	13,3 / 49,8	15,0 / 47,6	16,6 / 45,7	18,1 / 44,1	19,5 / 42,7	20,8 / 41,4
		Waterflow (l/h) / Water DP (kPa)	497 / 5,5	581 / 7,3	657 / 9,1	727 / 11,0	793 / 12,9	854 / 14,8	911 / 16,7
	15	Power (kW) / Supply air (°C)	10,6 / 53,7	12,4 / 51,2	14,0 / 49,1	15,5 / 47,3	16,8 / 45,8	18,1 / 44,5	19,4 / 43,3
		Waterflow (l/h) / Water DP (kPa)	463 / 4,8	541 / 6,4	612 / 8,0	678 / 9,7	738 / 11,3	795 / 13,0	849 / 14,6
60 / 50	11	Power (kW) / Supply air (°C)	8,4 / 41,8	9,9 / 39,8	11,2 / 38,2	12,4 / 36,9	13,5 / 35,7	14,6 / 34,7	15,6 / 33,8
		Waterflow (l/h) / Water DP (kPa)	731 / 11,6	857 / 15,5	971 / 19,5	1077 / 23,6	1175 / 27,7	1267 / 31,9	1354 / 36,0
	15	Power (kW) / Supply air (°C)	7,7 / 43,0	9,0 / 41,2	10,2 / 39,8	11,3 / 38,5	12,3 / 37,5	13,2 / 36,5	14,1 / 35,7
		Waterflow (l/h) / Water DP (kPa)	665 / 9,7	779 / 13,0	883 / 16,4	979 / 19,8	1068 / 23,3	1151 / 26,7	1230 / 30,2
45 / 40	11	Power (kW) / Supply air (°C)	6,0 / 32,9	7,0 / 31,6	8,0 / 30,5	8,9 / 29,5	9,7 / 28,7	10,4 / 28,0	11,2 / 27,3
		Waterflow (l/h) / Water DP (kPa)	1037 / 22,9	1217 / 30,7	1381 / 38,8	1533 / 47,0	1674 / 55,2	1806 / 63,5	1931 / 71,9
	15	Power (kW) / Supply air (°C)	5,2 / 34,1	6,1 / 33,0	7,0 / 32,0	7,7 / 31,2	8,4 / 30,4	9,1 / 29,8	9,7 / 29,2
		Waterflow (l/h) / Water DP (kPa)	905 / 17,8	1063 / 23,9	1205 / 30,2	1337 / 36,5	1460 / 42,9	1575 / 49,4	1683 / 55,8
7 / 12	32 - 40	Power (kW) / Supply air (°C)	5,7 / 16,9-79	6,6 / 17,9-77	7,3 / 18,7-75	8,0 / 19,4-73	8,6 / 19,9-72	9,2 / 20,4-71	9,7 / 20,9-69
		Waterflow (l/h) / Water DP (kPa)	982 / 23,6	1129 / 30,4	1258 / 37,1	1373 / 43,6	1477 / 49,9	1572 / 55,9	1660 / 61,8
	27 - 50	Power (kW) / Supply air (°C)	4,4 / 15,5-84	5,1 / 16,3-82	5,7 / 16,9-80	6,2 / 17,4-79	6,6 / 17,8-78	7,1 / 18,2-77	7,4 / 18,6-76
		Waterflow (l/h) / Water DP (kPa)	761 / 14,8	874 / 19,0	972 / 23,1	1060 / 27,1	1140 / 31,0	1213 / 34,7	1280 / 38,3
	25 - 50	Power (kW) / Supply air (°C)	3,3 / 15,0-84	3,8 / 15,7-82	4,3 / 16,2-80	4,7 / 16,6-79	5,0 / 17,0-78	5,4 / 17,3-77	5,7 / 17,6-76
		Waterflow (l/h) / Water DP (kPa)	573 / 8,8	658 / 11,3	735 / 13,8	805 / 16,4	866 / 18,7	923 / 21,0	983 / 23,6
6 / 11	32 - 40	Power (kW) / Supply air (°C)	6,2 / 16,2-80	7,1 / 17,3-77	7,9 / 18,1-75	8,6 / 18,8-73	9,3 / 19,4-72	9,9 / 19,9-71	10,5 / 20,4-69
		Waterflow (l/h) / Water DP (kPa)	1058 / 27,2	1218 / 35,2	1359 / 43,0	1484 / 50,6	1598 / 57,9	1702 / 65,0	1797 / 71,9
	27 - 50	Power (kW) / Supply air (°C)	4,9 / 14,8-84	5,6 / 15,6-82	6,2 / 16,3-81	6,8 / 16,9-79	7,3 / 17,3-78	7,8 / 17,8-77	8,2 / 18,1-76
		Waterflow (l/h) / Water DP (kPa)	836 / 17,6	962 / 22,8	1072 / 27,8	1170 / 32,6	1259 / 37,3	1340 / 41,9	1415 / 46,3
	25 - 50	Power (kW) / Supply air (°C)	3,9 / 14,2-84	4,5 / 14,9-82	5,0 / 15,5-80	5,4 / 16,0-79	5,9 / 16,4-78	6,2 / 16,7-77	6,6 / 17,1-76
		Waterflow (l/h) / Water DP (kPa)	672 / 11,8	771 / 15,2	858 / 18,5	936 / 21,7	1006 / 24,7	1071 / 27,7	1130 / 30,6

Electric coil performance characteristics Zehnder Hexamotion™ 20

BE for unit version							Electric coil
Fresh airflow	**0°C**	**-5**	**0°C**	**-5°C**	**-10°C**	**-15**	**-20**
(m^3/h)	2000		2000				
Version	FIRST, SEASON		PREMIUM BE Heater coil				
Power (kW)	-		10,5				
Outlet temperature (°C)	14,7	13,3	30,5	29,1	27,8	26,4	25,0

These data are provided for optimal control configuration according to the outdoor temperatures in question.

Reversible direct expansion coil performance characteristics Zehnder Hexamotion™ 20

DXR for unit versions	R410A coil
Please refer to Softwair selection software	

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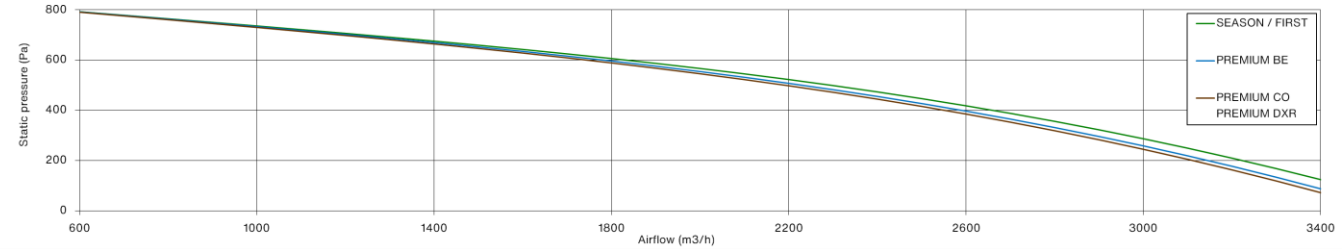
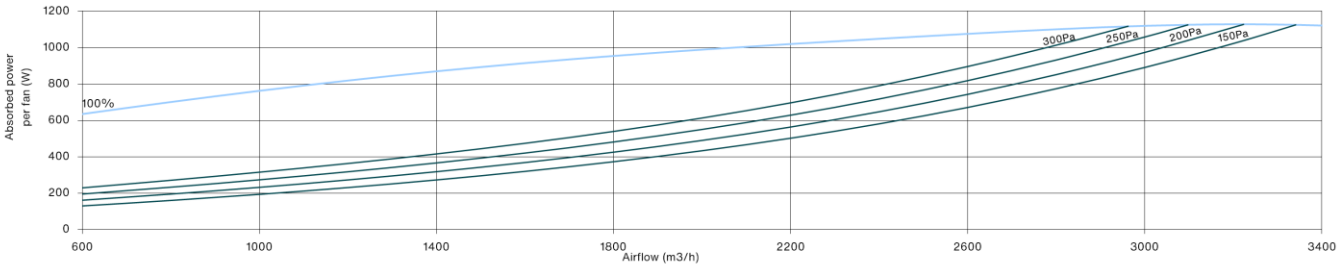
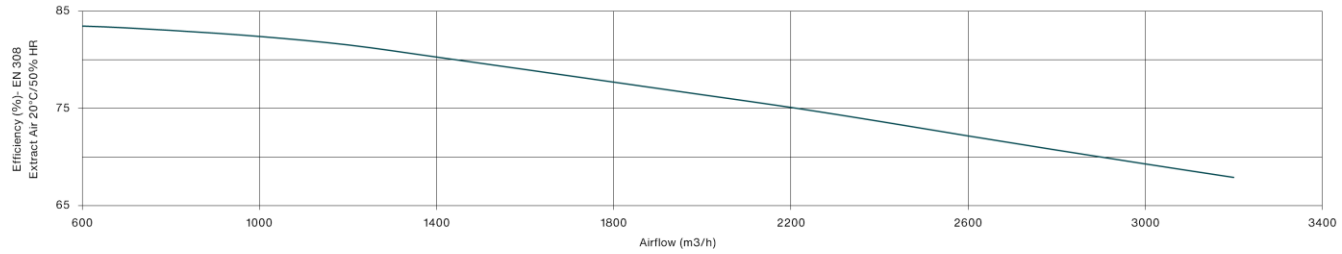
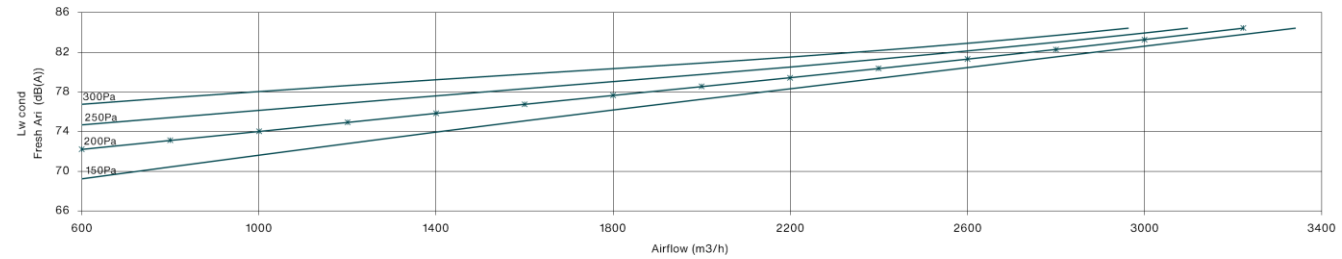
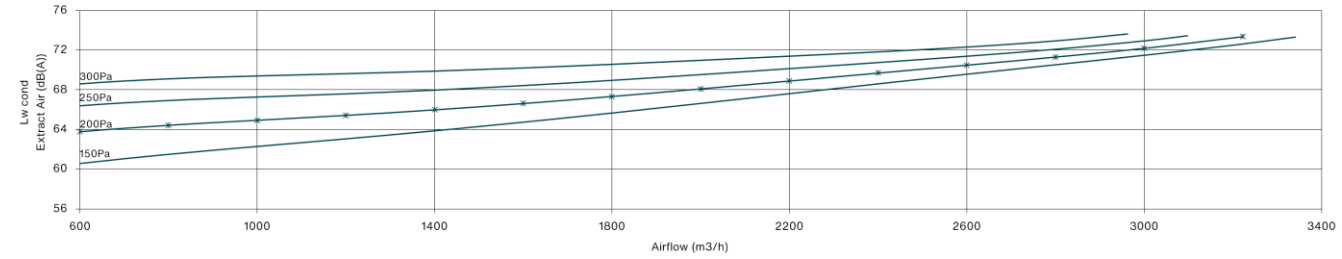
Selection curves Hexamotion™ 27

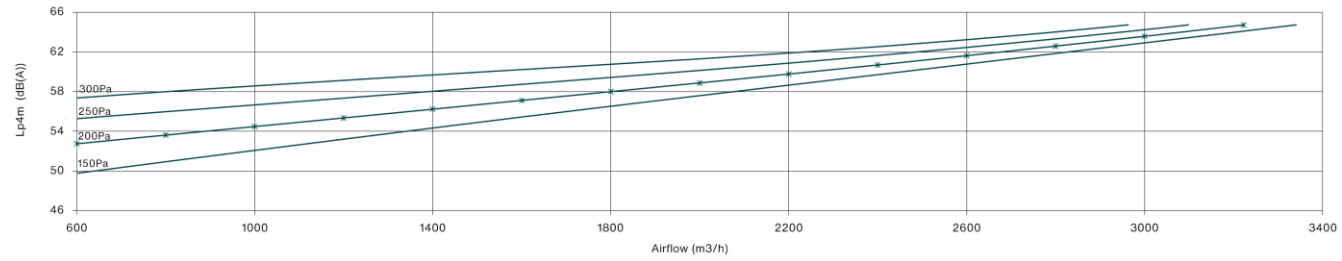












Reversible water coil performance characteristics Zehnder Hexamotion™ 27

CO for PREMIUM versions								Changeover coil
Water Temp. °C / °C	Air entry Temp. °C	Airflow m3/h	1000	1400	1800	2200	2600	3000
80 / 60	11	Power (kW) / Supply air (°C)	14,8 / 54,4	18,8 / 50,4	22,3 / 47,3	25,5 / 44,9	28,3 / 42,9	31,0 / 41,2
		Waterflow (l/h) / Water DP (kPa)	650 / 3,7	826 / 5,7	979 / 7,7	1117 / 9,8	1242 / 12,0	1357 / 14,1
	15	Power (kW) / Supply air (°C)	13,8 / 55,5	17,6 / 51,7	20,8 / 48,9	23,8 / 46,6	26,4 / 44,7	28,8 / 43,1
		Waterflow (l/h) / Water DP (kPa)	606 / 3,2	770 / 5,0	913 / 6,8	1041 / 8,7	1157 / 10,5	1264 / 12,3
60 / 50	11	Power (kW) / Supply air (°C)	11,0 / 43,1	14,0 / 40,3	16,7 / 38,1	19,0 / 36,3	21,2 / 34,9	23,2 / 33,6
		Waterflow (l/h) / Water DP (kPa)	955 / 7,7	1218 / 12,1	1449 / 16,7	1656 / 21,1	1844 / 25,7	2017 / 30,4
	15	Power (kW) / Supply air (°C)	10,0 / 44,3	12,7 / 41,6	15,1 / 39,6	17,3 / 38,0	19,3 / 36,7	21,1 / 35,6
		Waterflow (l/h) / Water DP (kPa)	869 / 6,5	1108 / 10,1	1317 / 13,9	1505 / 17,7	1675 / 21,6	1832 / 25,5
45 / 40	11	Power (kW) / Supply air (°C)	7,8 / 33,9	10,0 / 31,9	11,9 / 30,4	13,6 / 29,1	15,2 / 28,1	16,6 / 27,2
		Waterflow (l/h) / Water DP (kPa)	1353 / 15,2	1730 / 23,8	2060 / 32,8	2358 / 42,0	2628 / 51,2	2878 / 60,5
	15	Power (kW) / Supply air (°C)	6,8 / 35,0	8,7 / 33,2	10,4 / 31,9	11,9 / 30,8	13,2 / 29,9	14,5 / 29,1
		Waterflow (l/h) / Water DP (kPa)	1182 / 11,9	1510 / 18,6	1798 / 25,5	2056 / 32,7	2292 / 39,9	2509 / 47,0
7 / 12	32 - 40	Power (kW) / Supply air (°C)	7,6 / 16,2-81	9,4 / 17,7-78	10,9 / 18,8-75	12,2 / 19,6-73	13,3 / 20,3-71	14,3 / 20,9-69
		Waterflow (l/h) / Water DP (kPa)	1299 / 16,2	1611 / 24,0	1871 / 31,5	2095 / 38,7	2291 / 45,6	2466 / 52,2
	27 - 50	Power (kW) / Supply air (°C)	5,9 / 15,0-85	7,3 / 16,2-82	8,5 / 17,0-80	9,5 / 17,7-78	10,4 / 18,2-77	11,2 / 18,7-76
		Waterflow (l/h) / Water DP (kPa)	1021 / 10,4	1262 / 15,4	1462 / 20,1	1634 / 24,6	1785 / 28,9	1920 / 33,1
	25 - 50	Power (kW) / Supply air (°C)	4,5 / 14,6-85	5,5 / 15,6-82	6,4 / 16,3-80	7,2 / 16,9-78	7,9 / 17,3-77	8,6 / 17,7-75
		Waterflow (l/h) / Water DP (kPa)	772 / 6,3	950 / 9,2	1105 / 12,1	1241 / 14,9	1358 / 17,6	1475 / 20,4
6 / 11	32 - 40	Power (kW) / Supply air (°C)	8,2 / 15,6-81	10,2 / 17,1-77	11,9 / 18,3-75	13,3 / 19,2-72	14,6 / 20,0-71	15,7 / 20,6-69
		Waterflow (l/h) / Water DP (kPa)	1417 / 19,1	1760 / 28,3	2046 / 37,3	2291 / 45,9	2507 / 54,1	2699 / 61,9
	27 - 50	Power (kW) / Supply air (°C)	6,4 / 14,3-86	8,0 / 15,5-83	9,3 / 16,4-80	10,4 / 17,1-79	11,4 / 17,7-77	12,2 / 18,2-76
		Waterflow (l/h) / Water DP (kPa)	1106 / 12,1	1372 / 18,0	1594 / 23,6	1784 / 29,0	1952 / 34,2	2102 / 39,2
	25 - 50	Power (kW) / Supply air (°C)	5,2 / 13,7-85	6,4 / 14,7-82	7,4 / 15,5-80	8,3 / 16,2-78	9,1 / 16,7-77	9,8 / 17,1-76
		Waterflow (l/h) / Water DP (kPa)	889 / 8,1	1099 / 12,0	1275 / 15,7	1426 / 19,3	1559 / 22,7	1678 / 26,0

Electric coil performance characteristics Zehnder Hexamotion™ 27

BE for unit version							Electric coil
Fresh airflow	**0°C**	**-5**	**0°C**	**-5°C**	**-10°C**	**-15**	**-20**
(m^3/h)	2700		2700				
Version	FIRST, SEASON		PREMIUM BE Heater coil				
Power (kW)	-		13,5				
Outlet temperature (°C)	14,9	13,6	29,9	28,6	27,3	26,0	24,7

These data are provided for optimal control configuration according to the outdoor temperatures in question.

Reversible direct expansion coil performance characteristics Zehnder Hexamotion™ 27

DXR for unit versions	R410A coil
Please refer to Softwair selection software	

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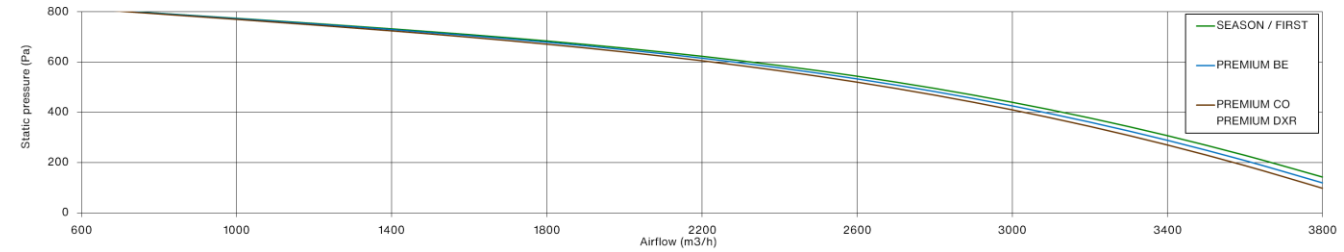
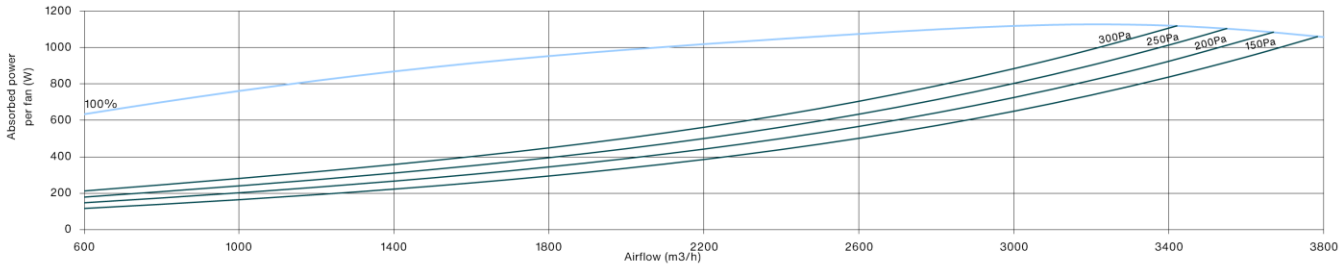
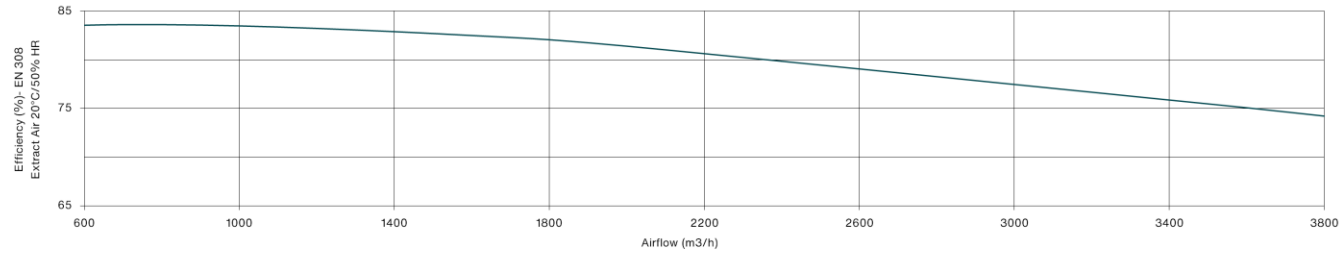
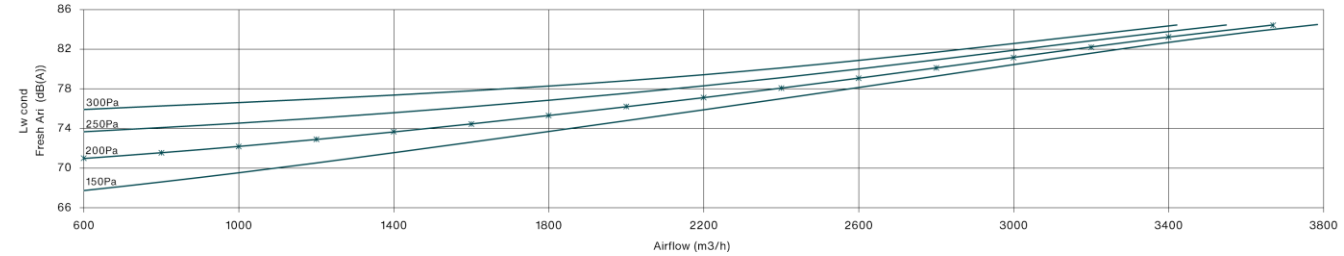
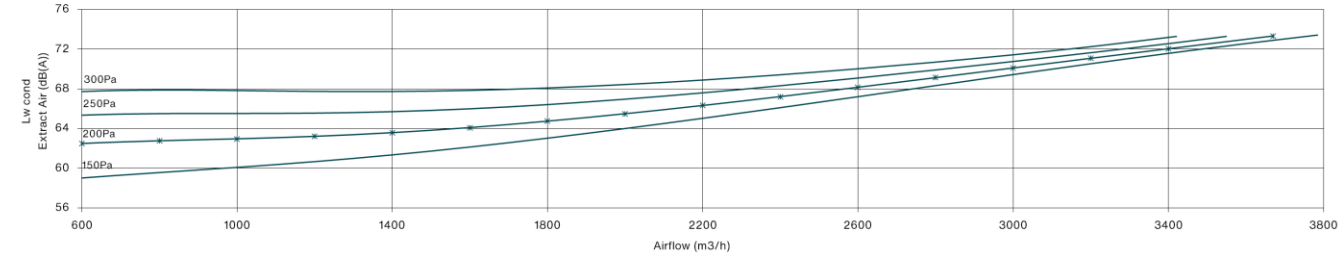
Selection curves Hexamotion™ 35

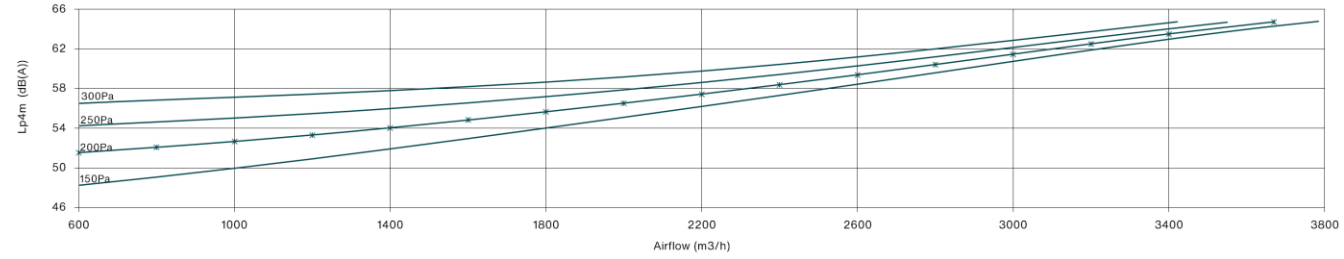












Reversible water coil performance characteristics Zehnder Hexamotion™ 35

CO for PREMIUM versions									Changeover coil
Water Temp. °C / °C	Air entry Temp. °C	Airflow m3/h	1000	1400	1800	2200	2600	3000	3400
80 / 60	11	Power (kW) / Supply air (°C)	15,6 / 56,6	19,9 / 52,6	23,8 / 49,6	27,2 / 47,2	30,3 / 45,2	33,3 / 43,4	36,0 / 42,0
		Waterflow (l/h) / Water DP (kPa)	682 / 2,5	872 / 3,9	1041 / 5,3	1192 / 6,9	1330 / 8,4	1457 / 9,9	1576 / 11,5
	15	Power (kW) / Supply air (°C)	14,5 / 57,5	18,6 / 53,8	22,1 / 51,0	25,3 / 48,7	28,3 / 46,8	31,0 / 45,2	33,5 / 43,8
		Waterflow (l/h) / Water DP (kPa)	637 / 2,2	813 / 3,4	970 / 4,7	1110 / 6,0	1239 / 7,4	1357 / 8,7	1468 / 10,1
60 / 50	11	Power (kW) / Supply air (°C)	11,5 / 44,7	14,8 / 41,9	17,7 / 39,8	20,3 / 38,0	22,7 / 36,5	24,9 / 35,3	26,9 / 34,2
		Waterflow (l/h) / Water DP (kPa)	1002 / 5,2	1286 / 8,2	1538 / 11,4	1764 / 14,7	1972 / 18,1	2164 / 21,5	2343 / 24,9
	15	Power (kW) / Supply air (°C)	10,5 / 45,7	13,4 / 43,1	16,1 / 41,1	18,4 / 39,5	20,6 / 38,2	22,6 / 37,0	24,5 / 36,1
		Waterflow (l/h) / Water DP (kPa)	912 / 4,4	1169 / 6,9	1398 / 9,6	1603 / 12,4	1792 / 15,2	1966 / 18,0	2128 / 20,8
45 / 40	11	Power (kW) / Supply air (°C)	8,2 / 35,0	10,5 / 33,0	12,6 / 31,5	14,5 / 30,3	16,2 / 29,3	17,8 / 28,4	19,3 / 27,6
		Waterflow (l/h) / Water DP (kPa)	1418 / 10,2	1824 / 16,2	2186 / 22,7	2511 / 29,3	2810 / 36,1	3086 / 42,9	3343 / 49,8
	15	Power (kW) / Supply air (°C)	7,2 / 36,0	9,2 / 34,2	11,0 / 32,9	12,7 / 31,8	14,2 / 30,9	15,5 / 30,2	16,8 / 29,5
		Waterflow (l/h) / Water DP (kPa)	1239 / 8,0	1592 / 12,6	1907 / 17,6	2190 / 22,8	2450 / 28,0	2690 / 33,3	2914 / 38,6
7 / 12	32 - 40	Power (kW) / Supply air (°C)	8,0 / 15,5-83	10,0 / 16,9-80	11,7 / 18,0-77	13,2 / 18,8-75	14,5 / 19,6-73	15,6 / 20,2-71	16,7 / 20,7-70
		Waterflow (l/h) / Water DP (kPa)	1372 / 10,9	1719 / 16,5	2011 / 22,1	2263 / 27,4	2486 / 32,6	2686 / 37,6	2867 / 42,4
	27 - 50	Power (kW) / Supply air (°C)	6,2 / 14,4-87	7,7 / 15,5-84	9,0 / 16,3-82	10,1 / 17,0-80	11,1 / 17,6-79	12,0 / 18,0-78	12,8 / 18,5-76
		Waterflow (l/h) / Water DP (kPa)	1065 / 6,9	1329 / 10,3	1551 / 13,7	1744 / 17,0	1913 / 20,1	2066 / 23,2	2204 / 26,1
	25 - 50	Power (kW) / Supply air (°C)	4,7 / 14,1-87	5,8 / 15,0-84	6,8 / 15,7-82	7,7 / 16,3-80	8,4 / 16,8-79	9,1 / 17,2-77	9,7 / 17,5-76
		Waterflow (l/h) / Water DP (kPa)	808 / 4,1	998 / 6,1	1165 / 8,1	1315 / 10,1	1445 / 12,0	1564 / 13,9	1671 / 15,7
6 / 11	32 - 40	Power (kW) / Supply air (°C)	8,6 / 14,7-84	10,8 / 16,2-80	12,6 / 17,3-77	14,2 / 18,3-75	15,6 / 19,0-73	16,9 / 19,7-71	18,1 / 20,2-70
		Waterflow (l/h) / Water DP (kPa)	1476 / 12,6	1852 / 19,1	2171 / 25,5	2447 / 31,8	2690 / 37,9	2908 / 43,7	3106 / 49,4
	27 - 50	Power (kW) / Supply air (°C)	6,8 / 13,6-87	8,5 / 14,8-84	9,9 / 15,7-82	11,2 / 16,4-80	12,3 / 17,0-79	13,3 / 17,6-78	14,2 / 18,0-77
		Waterflow (l/h) / Water DP (kPa)	1168 / 8,2	1461 / 12,3	1710 / 16,4	1925 / 20,5	2115 / 24,3	2285 / 28,1	2440 / 31,7
	25 - 50	Power (kW) / Supply air (°C)	5,5 / 13,1-87	6,8 / 14,2-84	8,0 / 15,0-82	8,9 / 15,6-80	9,8 / 16,1-79	10,6 / 16,6-77	11,3 / 16,9-76
		Waterflow (l/h) / Water DP (kPa)	938 / 5,5	1171 / 8,2	1367 / 10,9	1536 / 13,5	1686 / 16,0	1821 / 18,5	1943 / 20,8

Electric coil performance characteristics Zehnder Hexamotion™ 35

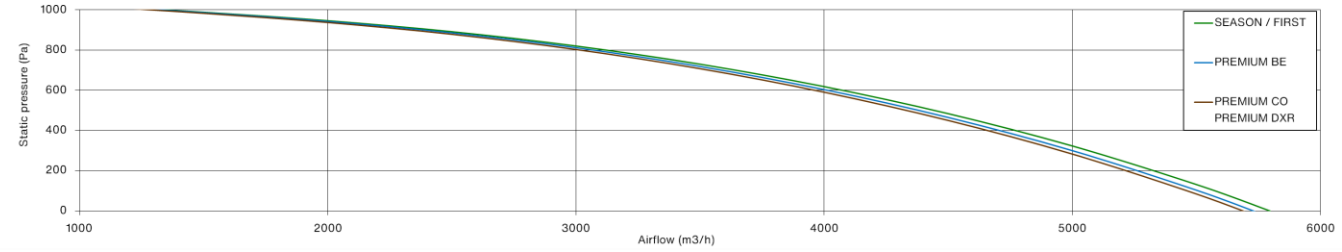
BE for unit version							Electric coil
Fresh airflow	**0°C**	**-5**	**0°C**	**-5°C**	**-10°C**	**-15**	**-20**
(m^3/h)	3500		3500				
Version	FIRST, SEASON		PREMIUM BE Heater coil				
Power (kW)	-		16,5				
Outlet temperature (°C)	15,6	14,5	29,7	28,6	27,5	26,4	25,2

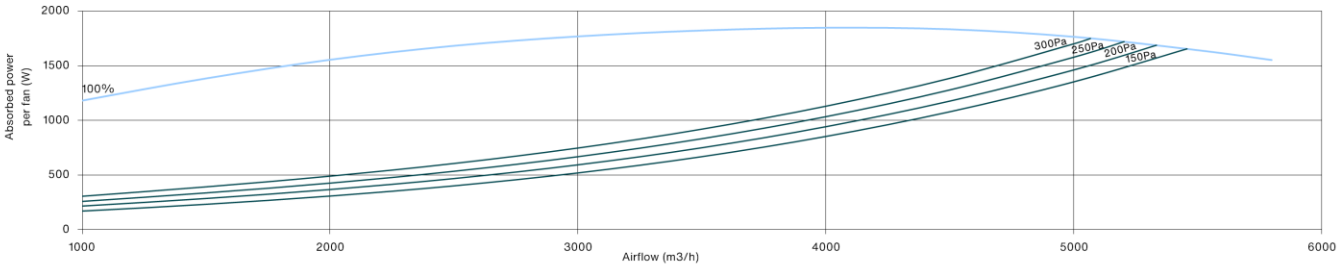
These data are provided for optimal control configuration according to the outdoor temperatures in question.

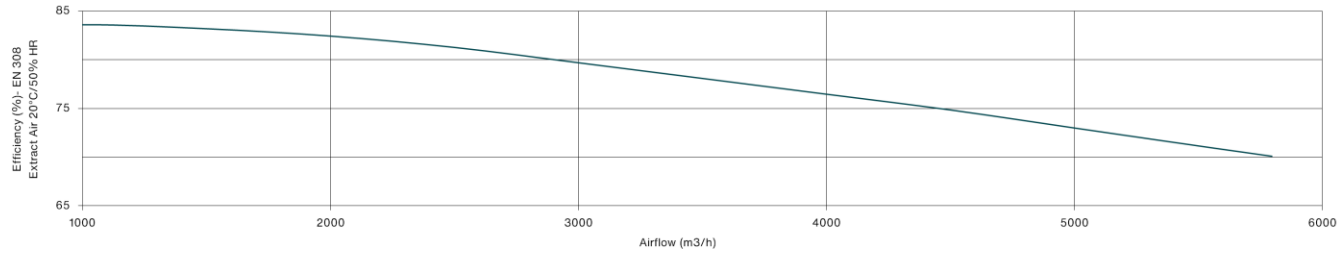
Reversible direct expansion coil performance characteristics Zehnder Hexamotion™ 35

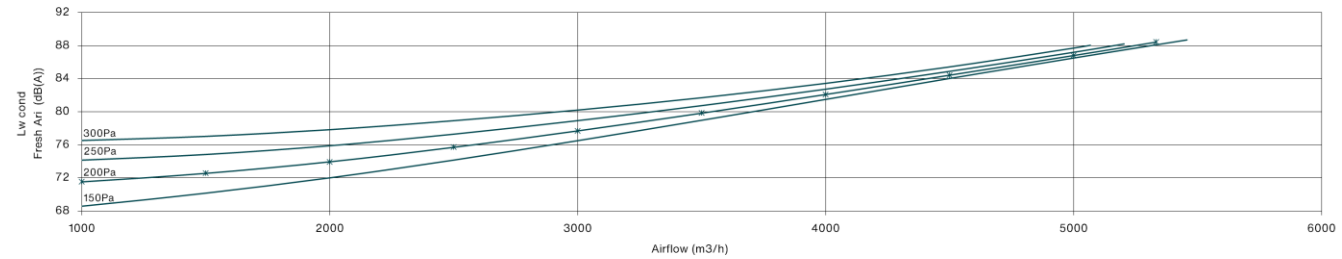
DXR for unit versions	R410A coil
Please refer to Softwair selection software	

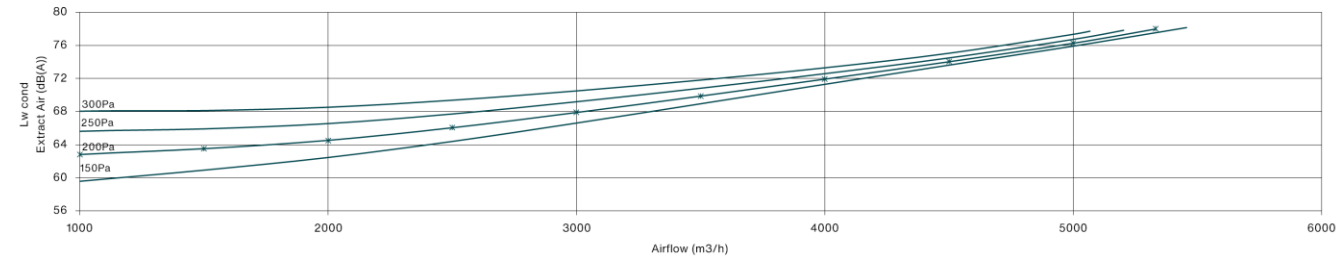
Selection curves Hexamotion™ 45

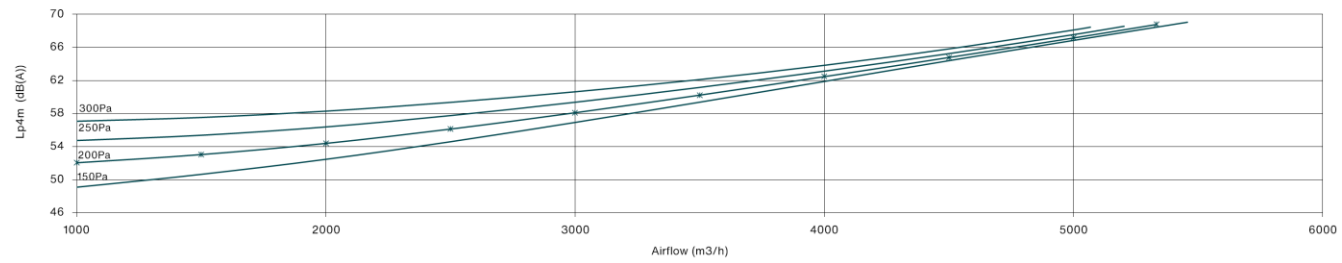












Reversible water coil performance characteristics Zehnder Hexamotion™ 45

CO for PREMIUM versions									Changeover coil
Water Temp. °C / °C	Air entry Temp. °C	Airflow m3/h	2000	2500	3000	3500	4000	4500	5000
80 / 60	11	Power (kW) / Supply air (°C)	28,2 / 52,3	33,0 / 49,6	37,3 / 47,4	41,3 / 45,5	45,0 / 43,9	48,5 / 42,5	51,7 / 41,3
		Waterflow (l/h) / Water DP (kPa)	1237 / 3,7	1446 / 4,9	1636 / 6,2	1811 / 7,4	1973 / 8,7	2125 / 10,0	2268 / 11,2
	15	Power (kW) / Supply air (°C)	26,3 / 53,5	30,8 / 51,0	34,8 / 48,9	38,5 / 47,2	41,9 / 45,7	45,1 / 44,4	48,2 / 43,2
		Waterflow (l/h) / Water DP (kPa)	1153 / 3,2	1348 / 4,3	1524 / 5,4	1687 / 6,5	1837 / 7,6	1979 / 8,8	2112 / 9,9
60 / 50	11	Power (kW) / Supply air (°C)	21,0 / 41,7	24,6 / 39,8	27,8 / 38,2	30,9 / 36,8	33,7 / 35,6	36,3 / 34,6	38,8 / 33,7
		Waterflow (l/h) / Water DP (kPa)	1823 / 7,9	2136 / 10,5	2421 / 13,2	2684 / 16,0	2928 / 18,8	3157 / 21,6	3373 / 24,3
	15	Power (kW) / Supply air (°C)	19,1 / 42,9	22,3 / 41,1	25,3 / 39,7	28,0 / 38,4	30,6 / 37,4	33,0 / 36,4	35,2 / 35,6
		Waterflow (l/h) / Water DP (kPa)	1657 / 6,6	1942 / 8,8	2200 / 11,1	2438 / 13,4	2660 / 15,7	2867 / 18,1	3063 / 20,4
45 / 40	11	Power (kW) / Supply air (°C)	14,9 / 32,9	17,5 / 31,5	19,9 / 30,4	22,1 / 29,5	24,1 / 28,6	26,0 / 27,9	27,8 / 27,3
		Waterflow (l/h) / Water DP (kPa)	2586 / 15,5	3036 / 20,8	3445 / 26,3	3822 / 31,8	4174 / 37,4	4503 / 43,0	4814 / 48,6
	15	Power (kW) / Supply air (°C)	13,1 / 34,1	15,3 / 32,9	17,4 / 31,9	19,3 / 31,1	21,0 / 30,4	22,7 / 29,8	24,3 / 29,2
		Waterflow (l/h) / Water DP (kPa)	2258 / 12,1	2649 / 16,2	3005 / 20,4	3333 / 24,7	3639 / 29,0	3926 / 33,4	4196 / 37,7
7 / 12	32 - 40	Power (kW) / Supply air (°C)	14,1 / 17,0-79	16,3 / 18,0-77	18,1 / 18,7-75	19,8 / 19,4-73	21,2 / 20,0-72	22,6 / 20,5-71	23,9 / 20,9-69
		Waterflow (l/h) / Water DP (kPa)	2432 / 15,8	2795 / 20,4	3113 / 24,9	3396 / 29,2	3653 / 33,3	3887 / 37,4	4103 / 41,3
	27 - 50	Power (kW) / Supply air (°C)	10,9 / 15,6-84	12,5 / 16,3-82	14,0 / 17,0-80	15,2 / 17,5-79	16,4 / 17,9-78	17,4 / 18,3-77	18,4 / 18,6-76
		Waterflow (l/h) / Water DP (kPa)	1880 / 9,9	2157 / 12,7	2399 / 15,4	2615 / 18,1	2811 / 20,6	2990 / 23,1	3155 / 25,5
	25 - 50	Power (kW) / Supply air (°C)	8,2 / 15,1-84	9,4 / 15,7-82	10,5 / 16,3-80	11,5 / 16,7-79	12,4 / 17,1-78	13,2 / 17,4-77	14,1 / 17,6-76
		Waterflow (l/h) / Water DP (kPa)	1413 / 5,9	1620 / 7,5	1810 / 9,2	1975 / 10,8	2128 / 12,4	2271 / 14,0	2419 / 15,7
6 / 11	32 - 40	Power (kW) / Supply air (°C)	15,3 / 16,3-80	17,5 / 17,3-77	19,6 / 18,2-75	21,4 / 18,9-73	23,0 / 19,5-72	24,5 / 20,0-71	25,9 / 20,5-69
		Waterflow (l/h) / Water DP (kPa)	2622 / 18,2	3017 / 23,6	3364 / 28,8	3674 / 33,9	3954 / 38,8	4210 / 43,5	4447 / 48,1
	27 - 50	Power (kW) / Supply air (°C)	12,0 / 14,9-84	13,8 / 15,7-82	15,4 / 16,4-81	16,8 / 16,9-79	18,1 / 17,4-78	19,2 / 17,8-77	20,3 / 18,2-76
		Waterflow (l/h) / Water DP (kPa)	2068 / 11,8	2377 / 15,2	2647 / 18,6	2889 / 21,8	3108 / 24,9	3308 / 27,9	3493 / 30,9
	25 - 50	Power (kW) / Supply air (°C)	9,6 / 14,3-84	11,1 / 15,0-82	12,3 / 15,5-80	13,4 / 16,0-79	14,4 / 16,4-78	15,3 / 16,8-77	16,2 / 17,1-76
		Waterflow (l/h) / Water DP (kPa)	1657 / 7,9	1900 / 10,1	2114 / 12,3	2305 / 14,4	2478 / 16,5	2636 / 18,4	2782 / 20,3

Electric coil performance characteristics Zehnder Hexamotion™ 45

BE for unit version							Electric coil
Fresh airflow	**0°C**	**-5**	**0°C**	**-5°C**	**-10°C**	**-15**	**-20**
(m^3/h)	4500		4500				
Version	FIRST, SEASON		PREMIUM BE Heater coil				
Power (kW)	-		24				
Outlet temperature (°C)	15,5	14,4	31,5	30,4	29,2	28,0	26,9

These data are provided for optimal control configuration according to the outdoor temperatures in question.

Reversible direct expansion coil performance characteristics Zehnder Hexamotion™ 45

DXR for unit versions	R410A coil
Please refer to Softwair selection software	

Softwair.fr™ CALADAIR MATRIX SOLUTION

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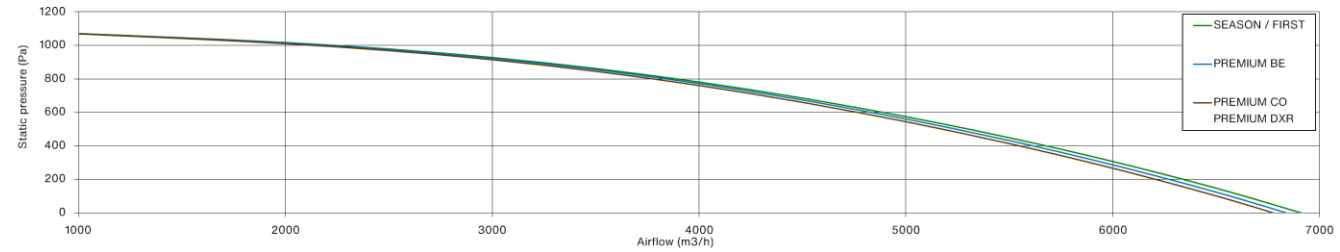
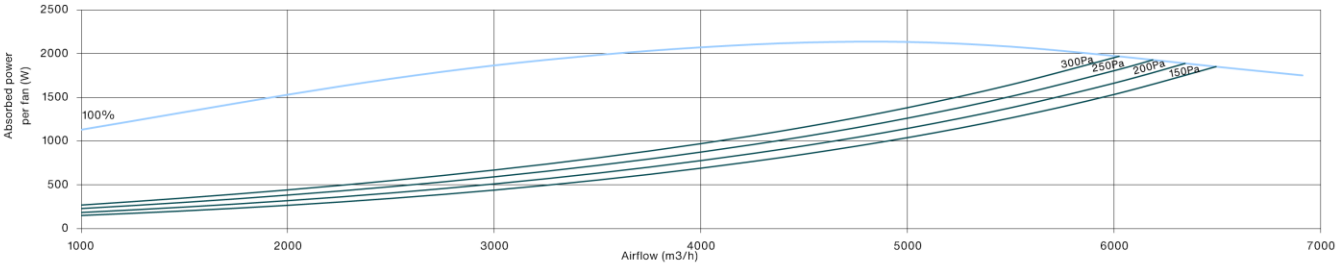
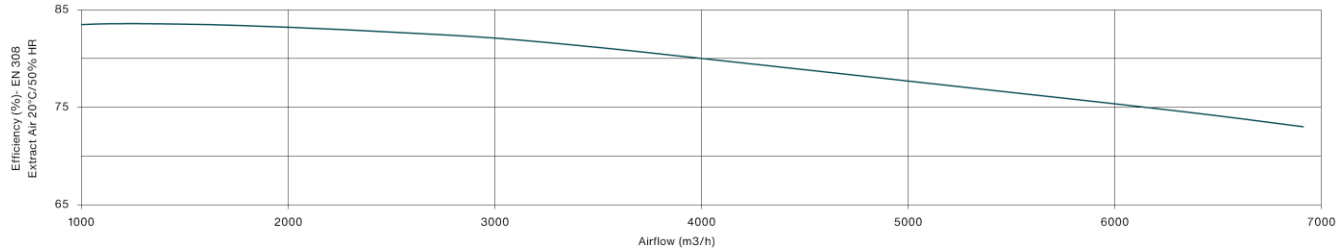
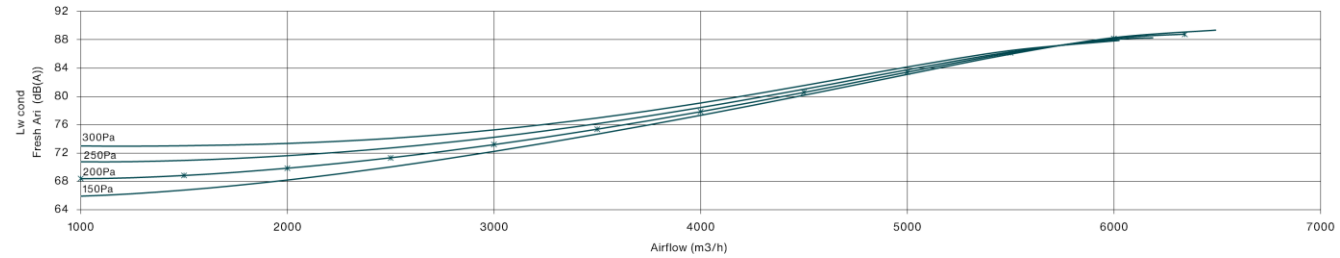
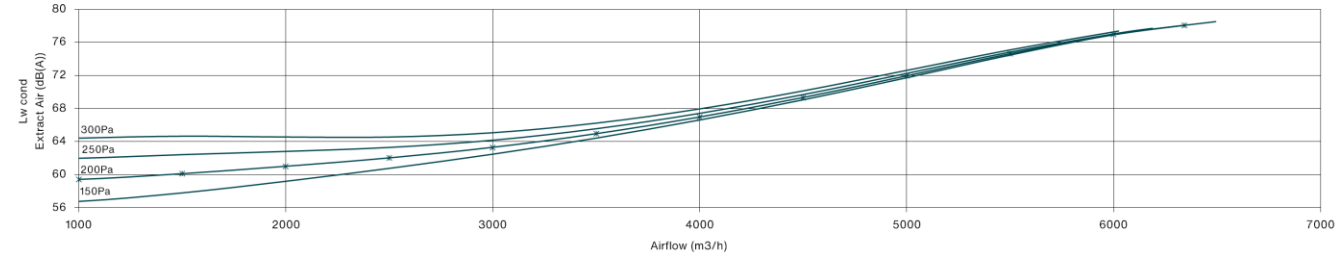
Selection curves Hexamotion™ 60

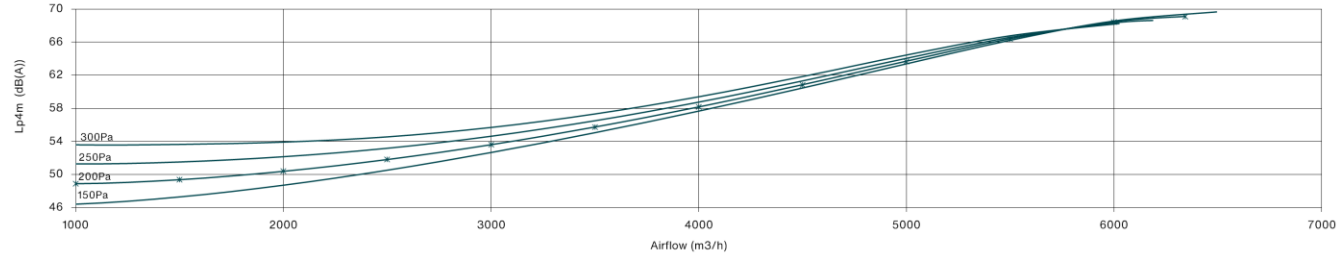












Reversible water coil performance characteristics Zehnder Hexamotion™ 60

CO for PREMIUM versions									Changeover coil
Water Temp. °C / °C	Air entry Temp. °C	Airflow m3/h	3000	3500	4000	4500	5000	5500	6000
80 / 60	11	Power (kW) / Supply air (°C)	40,0 / 50,1	44,5 / 48,2	48,6 / 46,6	52,5 / 45,1	56,1 / 43,9	59,6 / 42,7	62,9 / 41,7
		Waterflow (l/h) / Water DP (kPa)	1755 / 7,8	1949 / 9,5	2130 / 11,2	2300 / 12,9	2460 / 14,6	2613 / 16,2	2757 / 17,9
	15	Power (kW) / Supply air (°C)	37,3 / 51,4	41,5 / 49,7	45,3 / 48,2	48,9 / 46,8	52,3 / 45,6	55,5 / 44,6	58,6 / 43,6
		Waterflow (l/h) / Water DP (kPa)	1637 / 6,9	1818 / 8,4	1986 / 9,8	2144 / 11,3	2293 / 12,8	2434 / 14,3	2569 / 15,8
60 / 50	11	Power (kW) / Supply air (°C)	29,8 / 40,0	33,1 / 38,7	36,2 / 37,5	39,1 / 36,5	41,9 / 35,5	44,5 / 34,7	47,0 / 33,9
		Waterflow (l/h) / Water DP (kPa)	2588 / 16,7	2879 / 20,3	3150 / 23,9	3404 / 27,6	3646 / 31,3	3874 / 35,0	4091 / 38,7
	15	Power (kW) / Supply air (°C)	27,1 / 41,4	30,1 / 40,2	32,9 / 39,1	35,6 / 38,1	38,1 / 37,3	40,5 / 36,5	42,8 / 35,9
		Waterflow (l/h) / Water DP (kPa)	2354 / 14,0	2618 / 17,0	2864 / 20,1	3095 / 23,2	3313 / 26,2	3521 / 29,3	3718 / 32,4
45 / 40	11	Power (kW) / Supply air (°C)	21,2 / 31,7	23,6 / 30,8	25,9 / 29,9	54,7 / 29,2	30,0 / 28,6	31,9 / 28,0	33,7 / 27,4
		Waterflow (l/h) / Water DP (kPa)	3672 / 32,9	4089 / 40,1	4478 / 47,4	4843 / 54,7	5189 / 62,1	5518 / 69,5	5831 / 77,0
	15	Power (kW) / Supply air (°C)	18,5 / 33,1	20,6 / 32,3	22,6 / 31,5	24,4 / 30,9	26,2 / 30,3	27,8 / 29,8	29,4 / 29,3
		Waterflow (l/h) / Water DP (kPa)	3207 / 25,7	3570 / 31,3	3909 / 36,9	4227 / 42,6	4528 / 48,4	4814 / 54,1	5086 / 59,9
7 / 12	32 - 40	Power (kW) / Supply air (°C)	20,0 / 17,8-77	21,9 / 18,4-75	23,7 / 19,0-74	25,3 / 19,5-73	26,8 / 20,0-71	28,1 / 20,4-70	29,4 / 20,8-70
		Waterflow (l/h) / Water DP (kPa)	3436 / 33,3	3768 / 39,5	4069 / 45,4	4346 / 51,2	4601 / 56,9	4839 / 62,4	5062 / 67,8
	27 - 50	Power (kW) / Supply air (°C)	15,5 / 16,2-82	17,0 / 16,7-81	18,3 / 17,1-80	19,6 / 17,5-79	20,7 / 17,9-78	21,8 / 18,2-77	22,8 / 18,5-76
		Waterflow (l/h) / Water DP (kPa)	2664 / 20,9	2919 / 24,7	3150 / 28,4	3362 / 32,0	3559 / 35,5	3741 / 39,0	3913 / 42,3
	25 - 50	Power (kW) / Supply air (°C)	11,7 / 15,6-82	12,8 / 16,0-81	13,9 / 16,4-79	14,9 / 16,7-78	15,8 / 17,0-77	16,7 / 17,2-77	17,5 / 17,5-76
		Waterflow (l/h) / Water DP (kPa)	2015 / 12,6	2209 / 14,9	2395 / 17,2	2565 / 19,5	2716 / 21,7	2874 / 24,0	3009 / 26,1
6 / 11	32 - 40	Power (kW) / Supply air (°C)	21,5 / 17,1-77	23,6 / 17,8-75	25,6 / 18,5-74	27,3 / 19,0-73	28,9 / 19,5-72	30,4 / 19,9-71	31,9 / 20,3-70
		Waterflow (l/h) / Water DP (kPa)	3704 / 38,4	4065 / 45,6	4394 / 52,5	4695 / 59,3	4974 / 65,9	5233 / 72,4	5476 / 78,7
	27 - 50	Power (kW) / Supply air (°C)	17,0 / 15,5-82	18,7 / 16,1-81	20,2 / 16,6-80	21,6 / 17,0-79	22,8 / 17,4-78	24,0 / 17,7-77	25,1 / 18,0-76
		Waterflow (l/h) / Water DP (kPa)	2929 / 25,0	3213 / 29,6	3471 / 34,1	3707 / 38,5	3926 / 42,8	4130 / 46,9	4321 / 51,0
	25 - 50	Power (kW) / Supply air (°C)	13,7 / 14,8-82	15,0 / 15,3-81	16,2 / 15,7-79	17,3 / 16,1-78	18,3 / 16,4-77	19,2 / 16,7-77	20,1 / 17,0-76
		Waterflow (l/h) / Water DP (kPa)	2353 / 16,8	2579 / 19,8	2784 / 22,8	2972 / 25,7	3146 / 28,5	3308 / 31,2	3459 / 33,9

Electric coil performance characteristics Zehnder Hexamotion™ 60

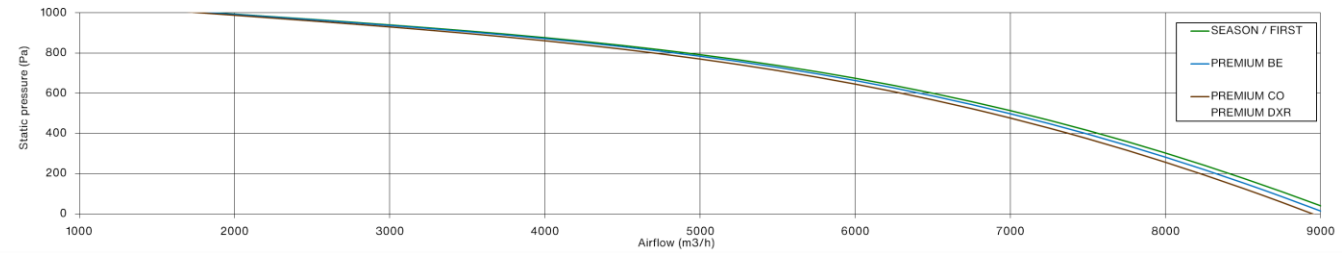
BE for unit version							Electric coil
Fresh airflow	**0°C**	**-5**	**0°C**	**-5°C**	**-10°C**	**-15**	**-20**
(m^3/h)	6000		6000				
Version	FIRST, SEASON		PREMIUM BE Heater coil				
Power (kW)	-		36				
Outlet temperature (°C)	15,6	14,5	33,6	32,5	31,4	30,2	29,1

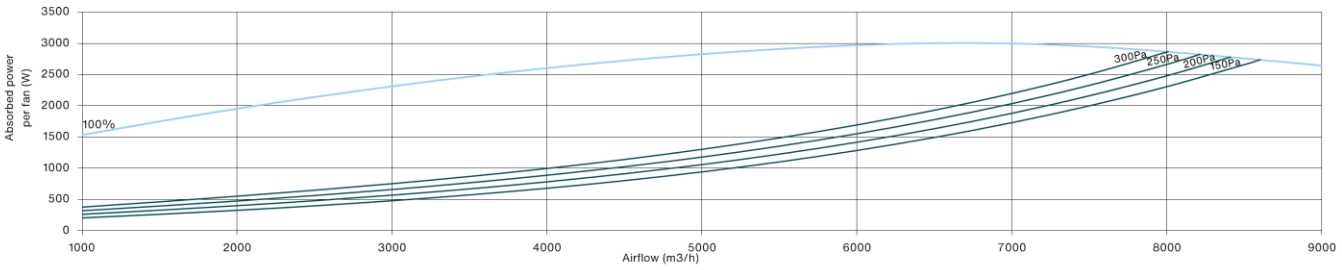
These data are provided for optimal control configuration according to the outdoor temperatures in question.

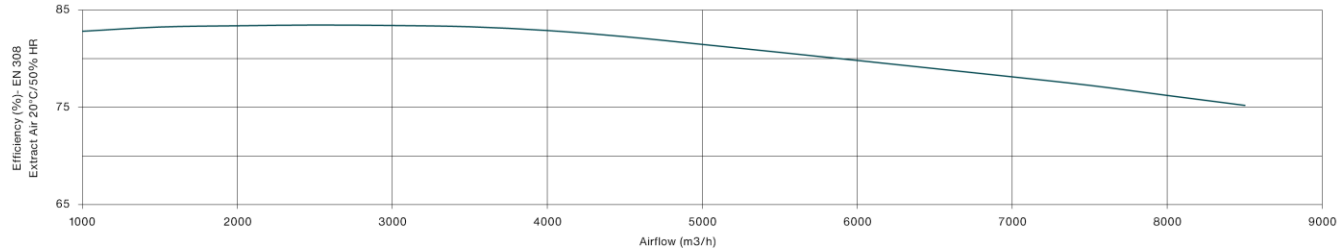
Reversible direct expansion coil performance characteristics Zehnder Hexamotion™ 60

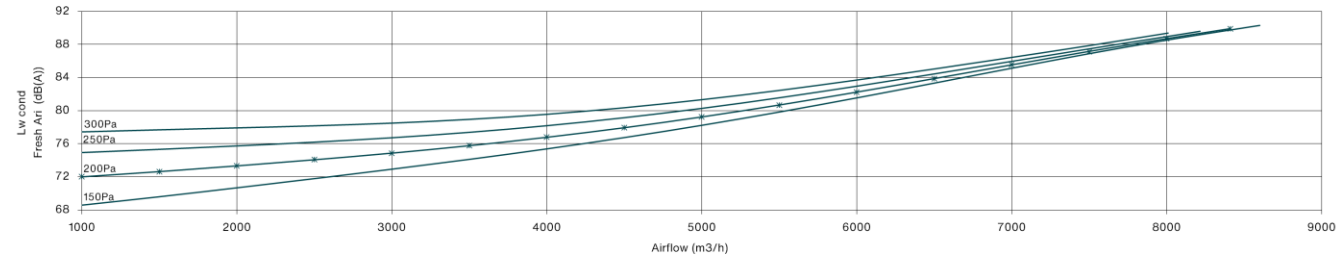
DXR for unit versions	R410A coil
Please refer to Softwair selection software	

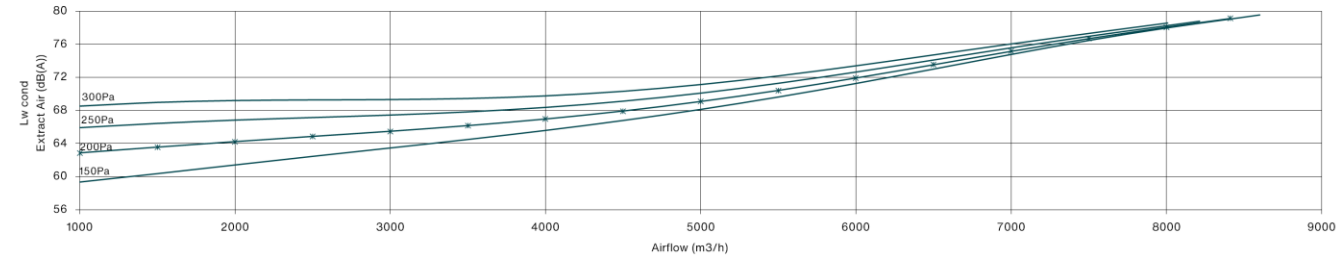
Selection curves Hexamotion™ 80

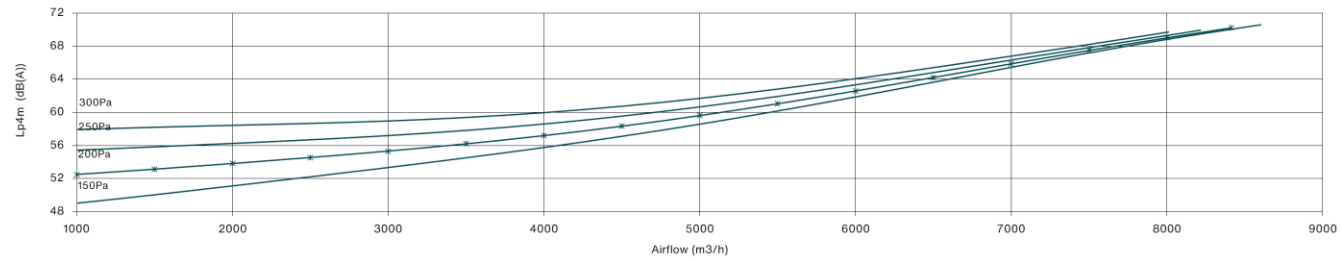












Reversible water coil performance characteristics Zehnder Hexamotion™ 80

CO for PREMIUM versions								Changeover coil
Water Temp. °C / °C	Air entry Temp. °C	Airflow m3/h	3000	4000	5000	6000	7000	8000
80 / 60	11	Power (kW) / Supply air (°C)	42,5 / 52,4	52,0 / 49,0	60,3 / 46,3	67,9 / 44,1	74,8 / 42,3	81,2 / 40,7
		Waterflow (l/h) / Water DP (kPa)	1862 / 3,4	2277 / 5,0	2644 / 6,5	2975 / 8,1	3278 / 9,7	3558 / 11,3
	15	Power (kW) / Supply air (°C)	39,6 / 53,6	48,4 / 50,4	56,2 / 47,9	63,2 / 45,8	69,6 / 44,1	75,6 / 42,6
		Waterflow (l/h) / Water DP (kPa)	1736 / 3,0	2122 / 4,4	2463 / 5,7	2770 / 7,1	3052 / 8,5	3312 / 9,9
60 / 50	11	Power (kW) / Supply air (°C)	31,2 / 41,8	38,7 / 39,3	45,0 / 37,4	50,8 / 35,8	56,0 / 34,4	60,9 / 33,3
		Waterflow (l/h) / Water DP (kPa)	2745 / 7,3	3367 / 10,6	3917 / 14,0	4415 / 17,5	4872 / 21,0	5295 / 24,5
	15	Power (kW) / Supply air (°C)	28,7 / 43,0	35,2 / 40,7	40,9 / 39,0	46,1 / 37,5	50,9 / 36,3	55,3 / 35,2
		Waterflow (l/h) / Water DP (kPa)	2496 / 6,1	3060 / 8,9	3559 / 11,8	4010 / 14,7	4424 / 17,6	4807 / 20,5
45 / 40	11	Power (kW) / Supply air (°C)	22,5 / 33,0	27,7 / 31,2	32,2 / 29,9	36,4 / 28,7	40,2 / 27,8	43,7 / 18,4
		Waterflow (l/h) / Water DP (kPa)	3894 / 14,4	4786 / 21,1	5577 / 27,9	6293 / 34,9	6951 / 41,9	7560 / 48,9
	15	Power (kW) / Supply air (°C)	19,7 / 34,2	24,1 / 32,7	28,1 / 31,5	31,7 / 30,5	35,0 / 29,6	38,1 / 28,9
		Waterflow (l/h) / Water DP (kPa)	3400 / 11,2	4176 / 16,4	4864 / 21,7	5486 / 27,1	6058 / 32,5	6588 / 37,9
7 / 12	32 - 40	Power (kW) / Supply air (°C)	21,3 / 16,9-80	25,5 / 18,2-76	29,0 / 19,1-74	32,1 / 19,9-72	34,8 / 20,6-70	37,2 / 21,1-69
		Waterflow (l/h) / Water DP (kPa)	3664 / 14,7	4379 / 20,4	4984 / 25,9	5511 / 31,1	5977 / 36,2	6398 / 37,2
	27 - 50	Power (kW) / Supply air (°C)	16,5 / 15,5-84	19,6 / 16,5-82	22,3 / 17,3-80	24,7 / 17,9-78	26,7 / 18,4-77	28,6 / 18,8-76
		Waterflow (l/h) / Water DP (kPa)	2832 / 9,2	3377 / 12,7	3838 / 16,0	4239 / 19,3	4595 / 22,3	4917 / 25,3
	25 - 50	Power (kW) / Supply air (°C)	12,4 / 15,1-84	14,7 / 15,9-82	16,8 / 16,5-79	18,7 / 17,0-78	20,3 / 17,4-76	21,9 / 17,8-75
		Waterflow (l/h) / Water DP (kPa)	2127 / 5,5	2531 / 7,5	2896 / 9,6	3214 / 11,6	3483 / 13,4	3771 / 15,5
6 / 11	32 - 40	Power (kW) / Supply air (°C)	23,0 / 16,3-80	27,5 / 17,6-77	31,4 / 18,6-74	34,7 / 19,4-72	37,7 / 20,1-70	40,3 / 20,7-69
		Waterflow (l/h) / Water DP (kPa)	3950 / 17,0	4730 / 23,6	5391 / 30,1	5966 / 36,2	6476 / 42,1	6935 / 47,7
	27 - 50	Power (kW) / Supply air (°C)	18,1 / 14,9-84	21,7 / 15,9-82	24,7 / 16,7-80	27,3 / 17,4-78	29,6 / 17,9-77	31,7 / 18,3-76
		Waterflow (l/h) / Water DP (kPa)	3115 / 11,0	3723 / 15,3	4239 / 19,3	4688 / 23,3	5086 / 27,0	5445 / 30,6
	25 - 50	Power (kW) / Supply air (°C)	14,5 / 14,2-84	17,3 / 15,1-82	19,7 / 15,8-80	21,7 / 16,4-78	23,6 / 16,9-77	25,2 / 17,3-75
		Waterflow (l/h) / Water DP (kPa)	2495 / 7,3	2975 / 10,1	3382 / 12,8	3736 / 15,4	4051 / 17,8	4335 / 20,2

Electric coil performance characteristics Zehnder Hexamotion™ 80

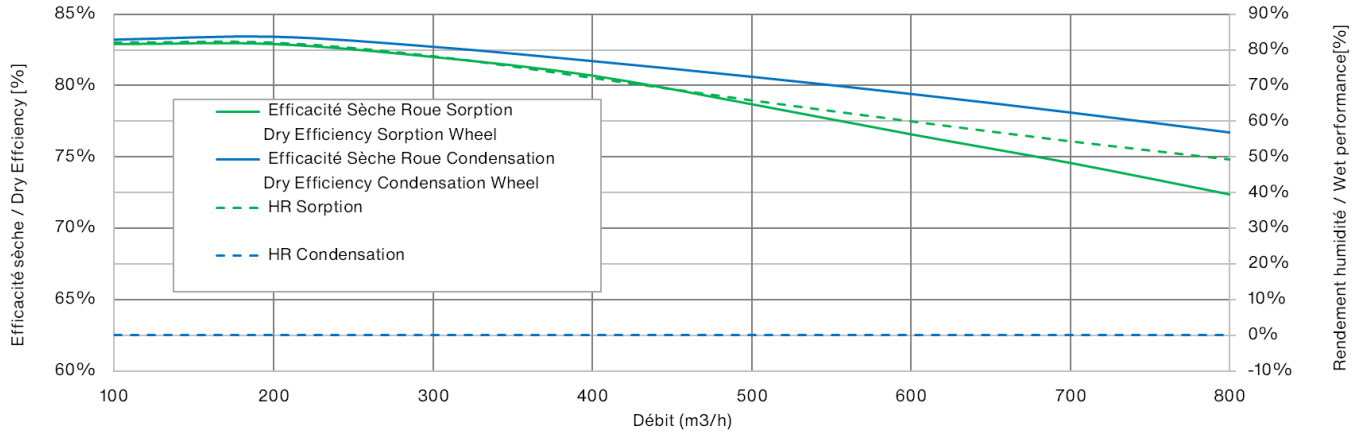
BE for unit version							Electric coil
Fresh airflow	**0°C**	**-5**	**0°C**	**-5°C**	**-10°C**	**-15**	**-20**
(m^3/h)	8000		8000				
Version	FIRST, SEASON		PREMIUM BE Heater coil				
Power (kW)	-		48				
Outlet temperature (°C)	15,9	14,9	33,9	32,9	31,8	30,7	29,7

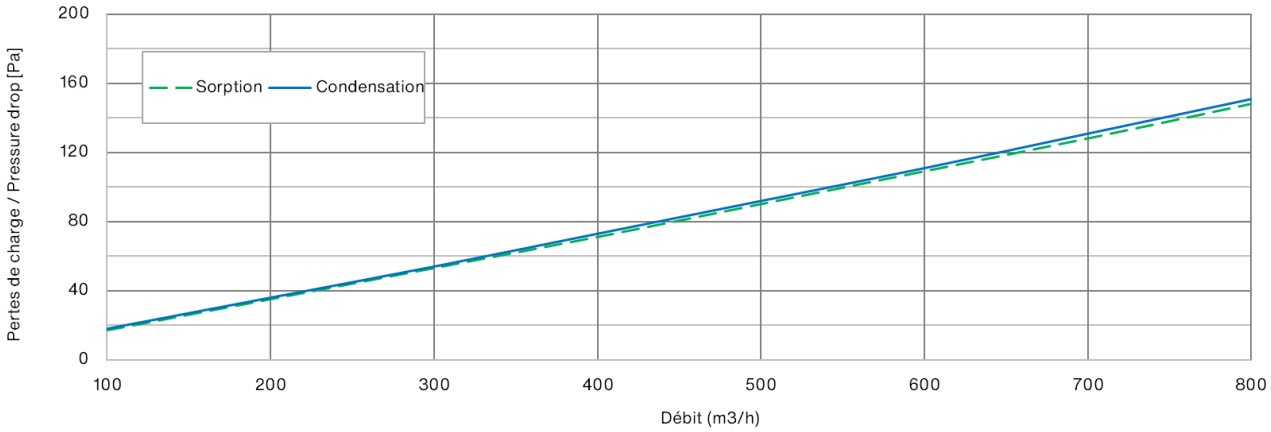
These data are provided for optimal control configuration according to the outdoor temperatures in question.

Reversible direct expansion coil performance characteristics Zehnder Hexamotion™ 80

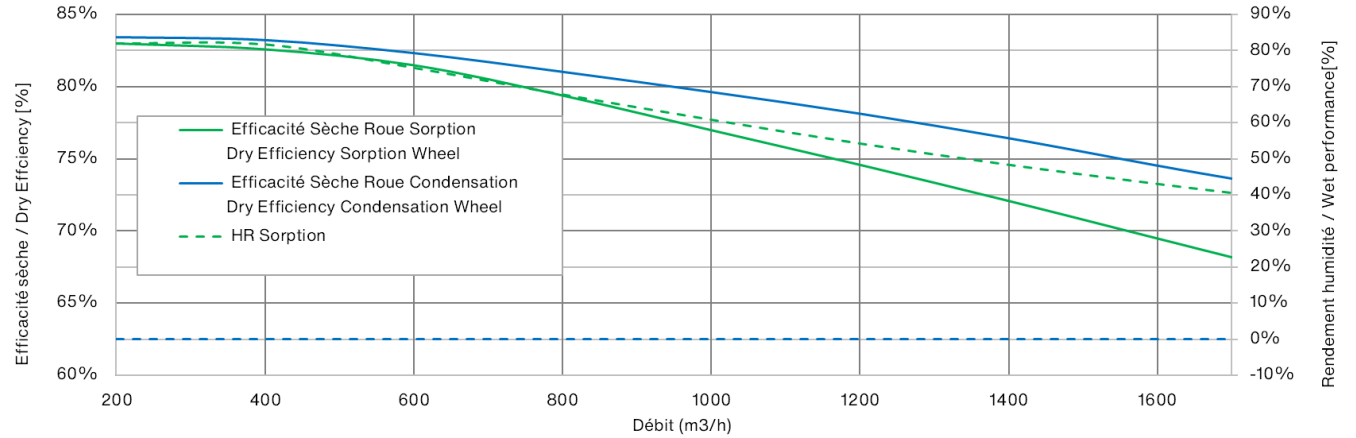
DXR for unit versions	R410A coil
Please refer to Softwair selection software	

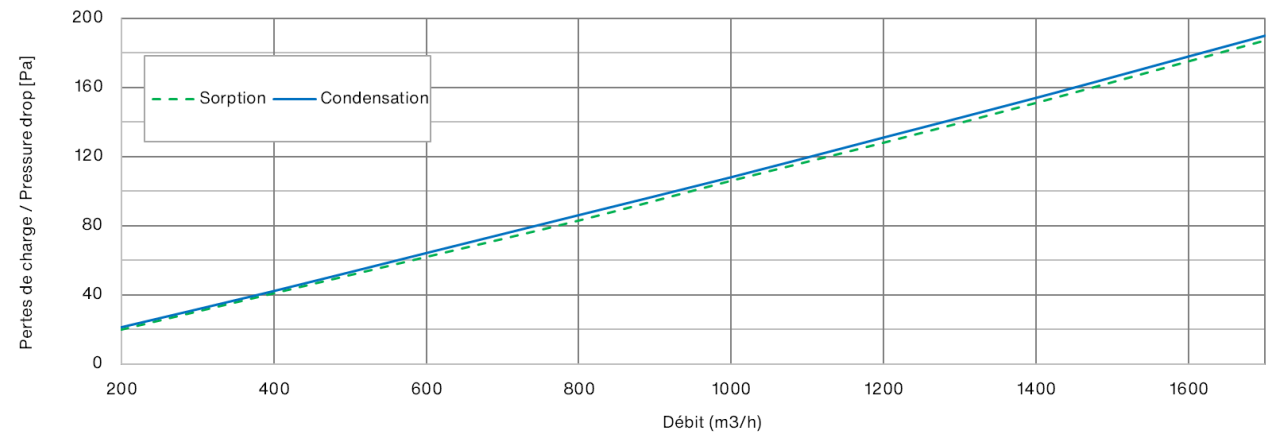
Rotary sorption heat exchanger aeraulic performance Hexamotion 05



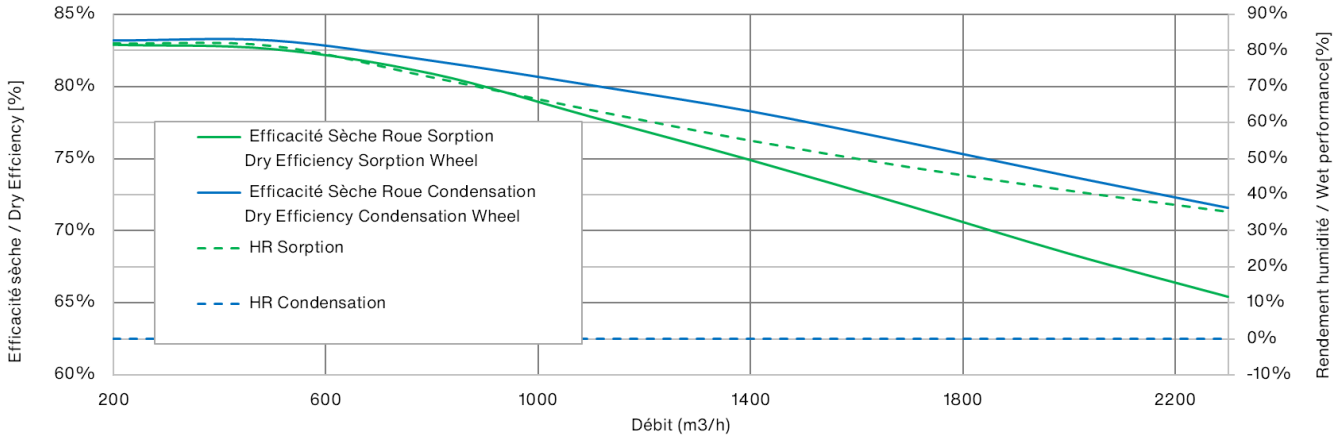


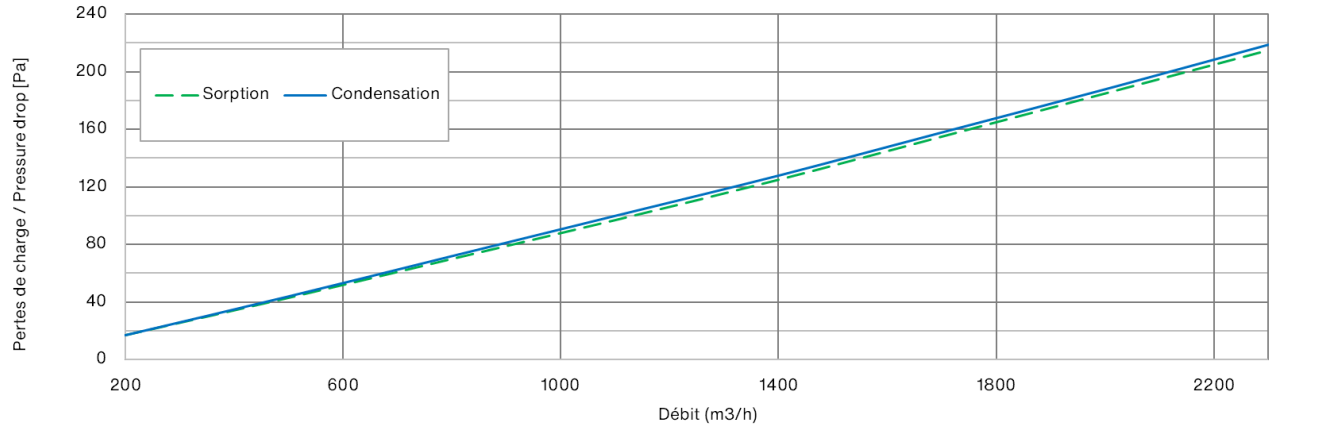
Rotary sorption heat exchanger aeraulic performance Hexamotion 08-15



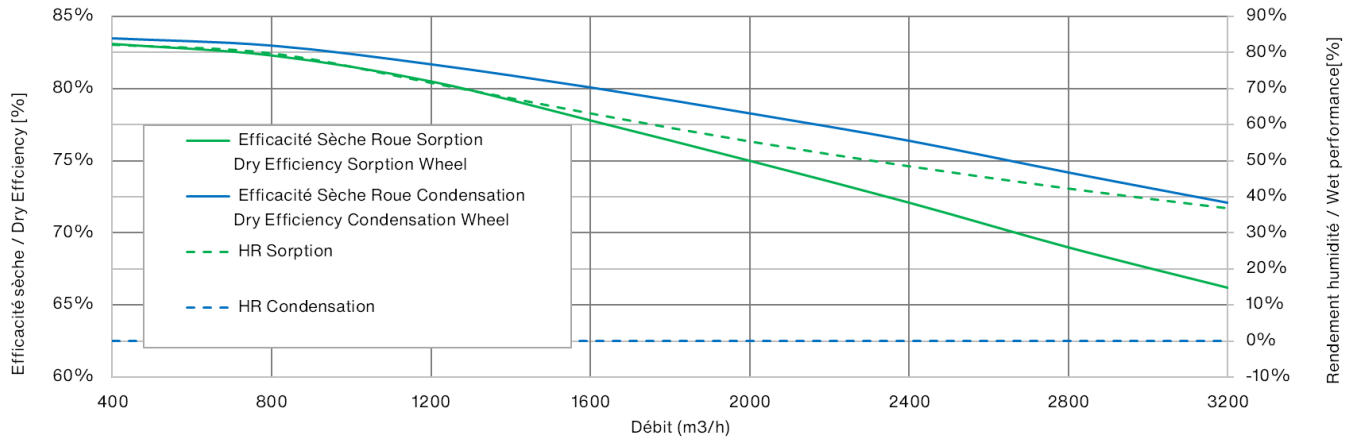


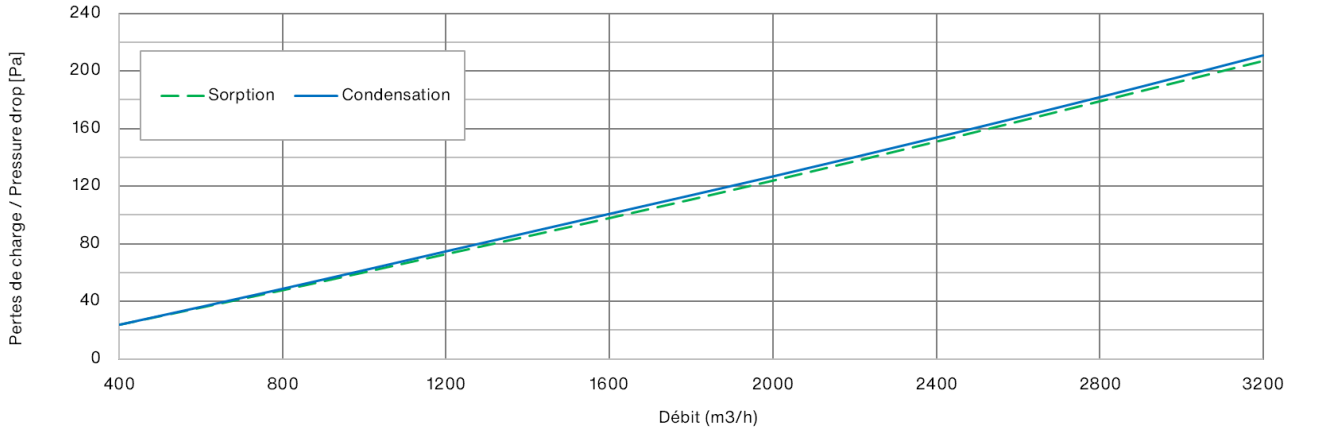
Rotary sorption heat exchanger aeraulic performance Hexamotion 20



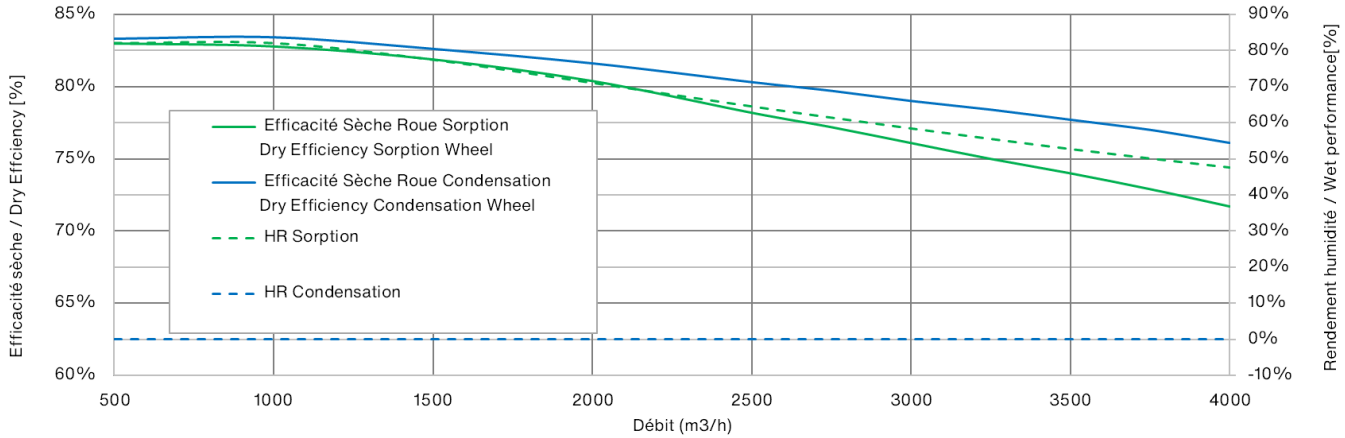


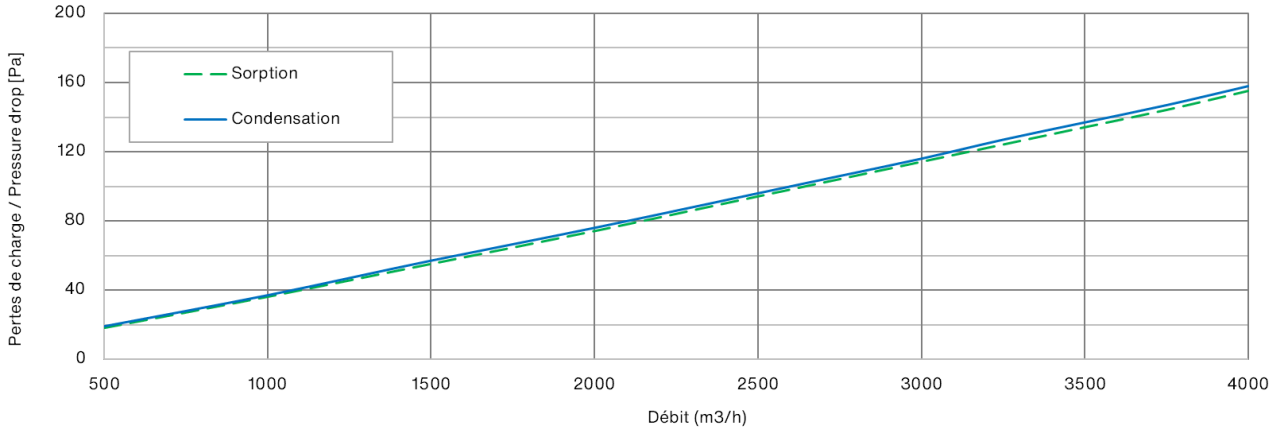
Rotary sorption heat exchanger aeraulic performance Hexamotion 27



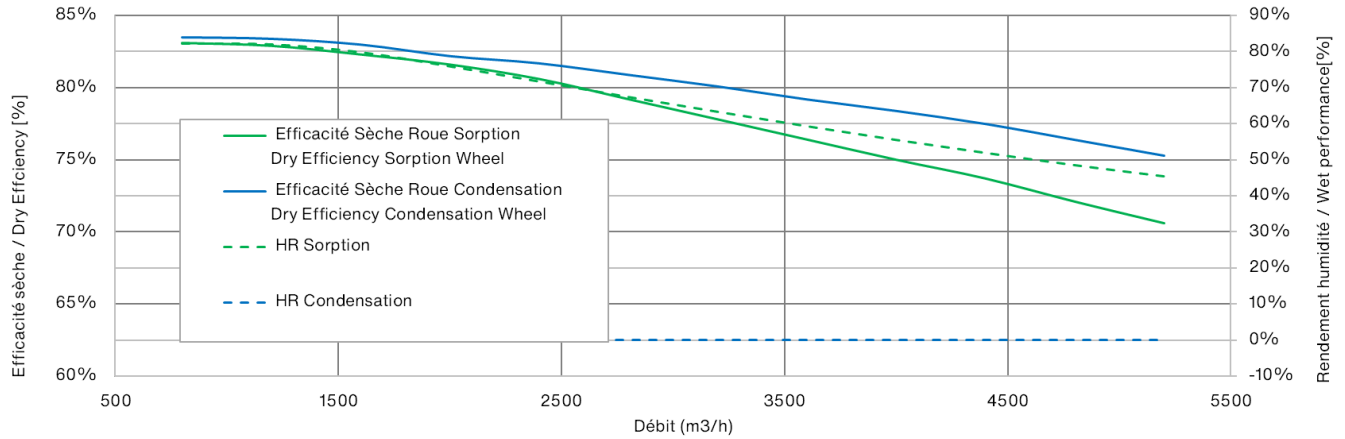


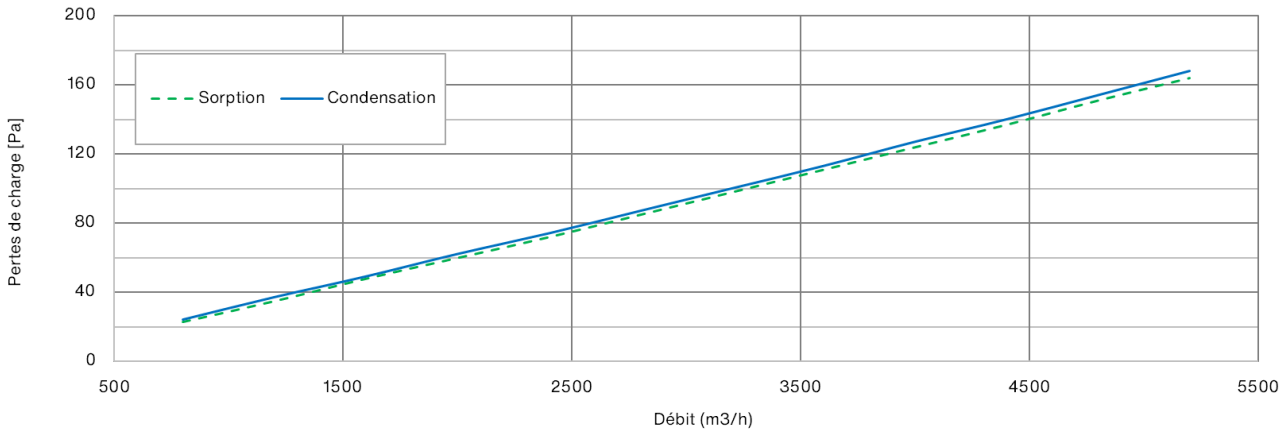
Rotary sorption heat exchanger aeraulic performance Hexamotion 35



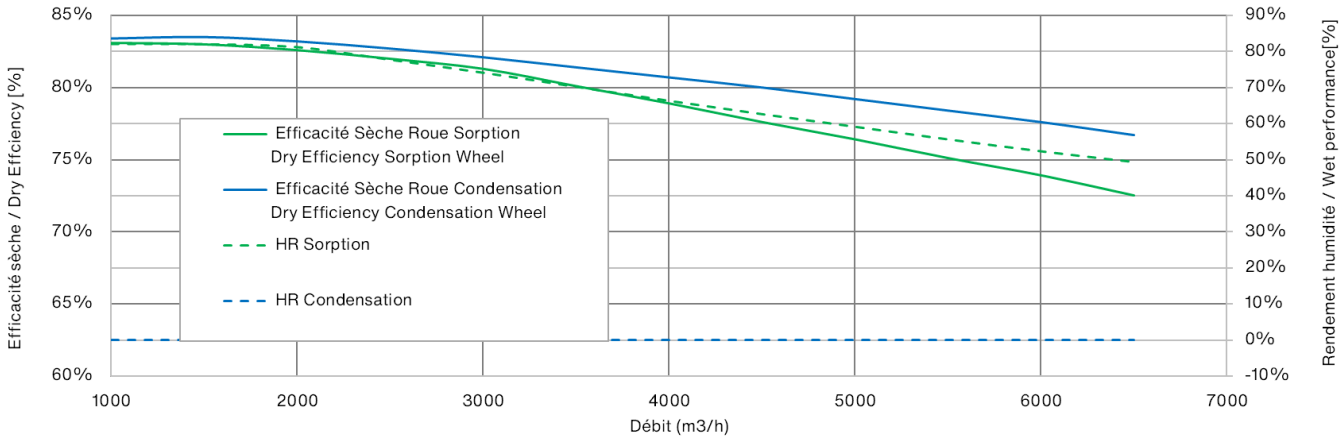


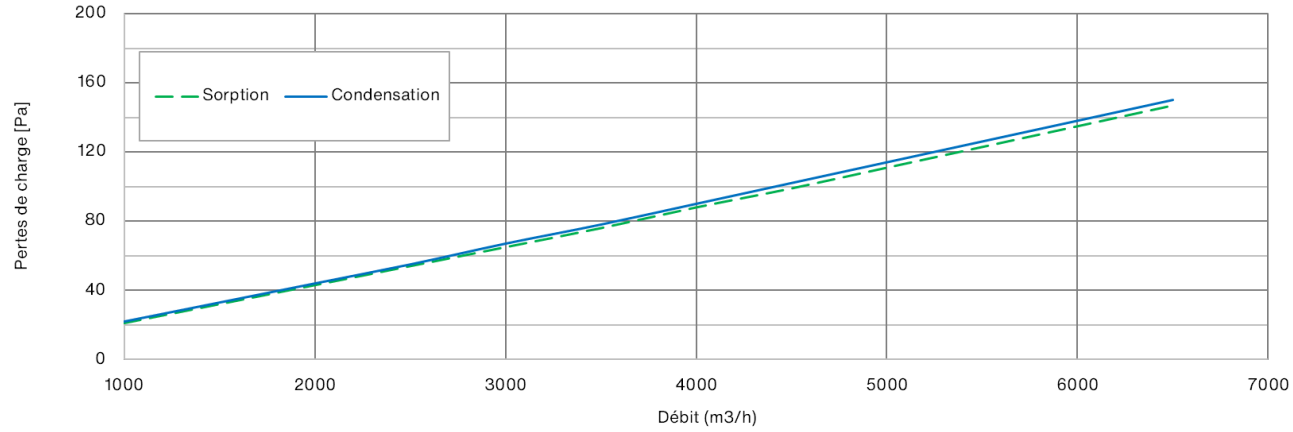
Rotary sorption heat exchanger aeraulic performance Hexamotion 45



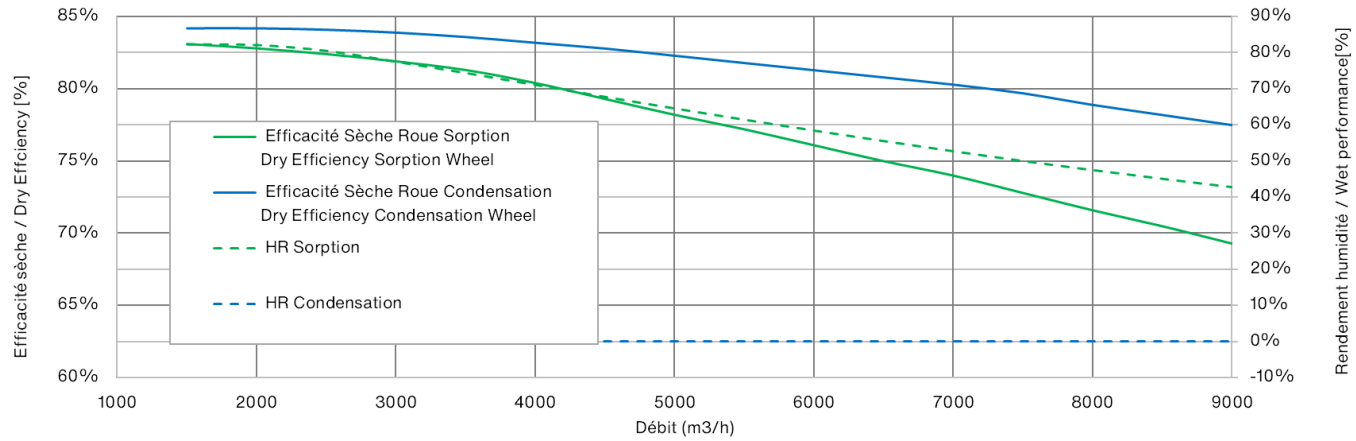


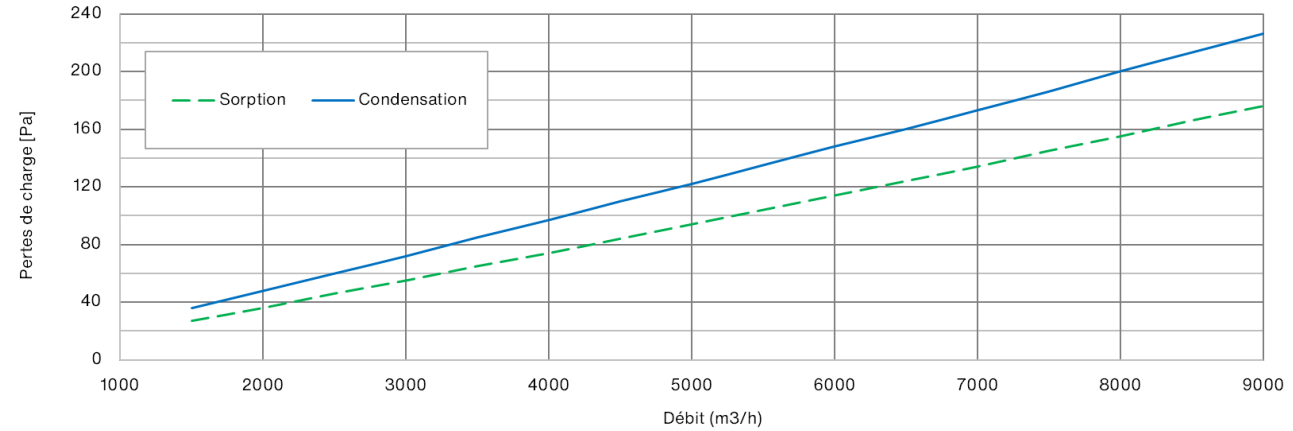
Rotary sorption heat exchanger aeraulic performance Hexamotion 60





Rotary sorption heat exchanger aeraulic performance Hexamotion 80





Options

Climatic

	**Summer / Winter thermostat ref. PASTILLE CHANGEOVER** Combined with an external Combibox Concept module
	**Kit 3 way valve 24V IP54 ref. DN15** PREMIUM CO versions
	**Circular damper antifreeze 24V ref. RC4A** Frost prevention. Airtight class 4
	**Chilled water module Combibox réf. CBX4 BF** Duct installation (see COMBIBOX CONCEPT™ documentation for descriptions). SEASON version not compatible
	**DX module Combibox R410A réf. CBX4 DX** Duct installation (see COMBIBOX CONCEPT™ documentation for descriptions). SEASON version not compatible
	**Filtre F9 ePM1 80%**
	**Filtre M5 ePM10 50%**

Controller

	**Wall touch screen MASTER ref. EASY 5.0** SEASON version not compatible.
	**Wall-mounted touch screen USER ref. EDT2 100ML** SEASON version not compatible.

Security and control

	**Air pressure switch ref. DEP** Extract air filter (IP54)
	**Liquid manometer J ref. 0-1000 Pa VDI6022 DISPOSITIF**
	**Smoke detection ref. CDAD** (IP54)
	**Trigger box ref. BD TBTS 24/48 Vcc** 24 or 48 Vdc low-voltage box (IP67)

Airflow modulation

	**Potentiometer 0-10 V ref. POT 230** Potentiometer only for SEASON (IP54)
	**2 speed comfort remote control ref. CDC 2V2** OFF/LS/HS, 2 fans, box (IP54)
	**2 speed comfort remote control ref. CDC PVGV2** LS/HS, 2 fans, box (IP54)
	**Présence sensor ref. 360 TOR SA** ON/OFF or LS/HS (SEASON version not compatible)
	**2 speed comfort remote control ref. CDC 1V2** ON/OFF, 2 fans, box (IP54)

Installation

	**Flexible sleeve ref. MTS M0** Fire Class: M0 Male (network side) / Female (unit side) diameters
	**Plot anti-vibratile réf. PAV** Jeu de 4 (hauteur 100 mm). Pour montage au sol.
	**Buse biseautée grillagée réf. BBG**

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https://www.caladair.com/

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