



I.10

Heat recovery units

GTDHRV First S

- Non residential
- Counterflow
- R-COVERY by ZEHNDER CALADAIR
- $Q_v \leq 8000 \text{ m}^3/\text{h}$
- Horizontal
- Heat recovery unit with efficiency $\geq 75\%$



Heat recovery units high efficiency type GTDHRV First S

Heat recovery unit with high efficiency 90%

Brand

- R-COVERY by ZEHNDER CALADAIR

Application

- Ventilation for non-residential and industrial applications

Accessories

- Airtight control valve **AKH**
- **MVX-RM**
- **MVX-AGC**
- **MVX-G4 and MVX-F7**
- **MTS**

Order example

GTDHRV 9023 F S -W

Explanation

GTDHRV = Type heat recovery unit

9023 = Size **6**

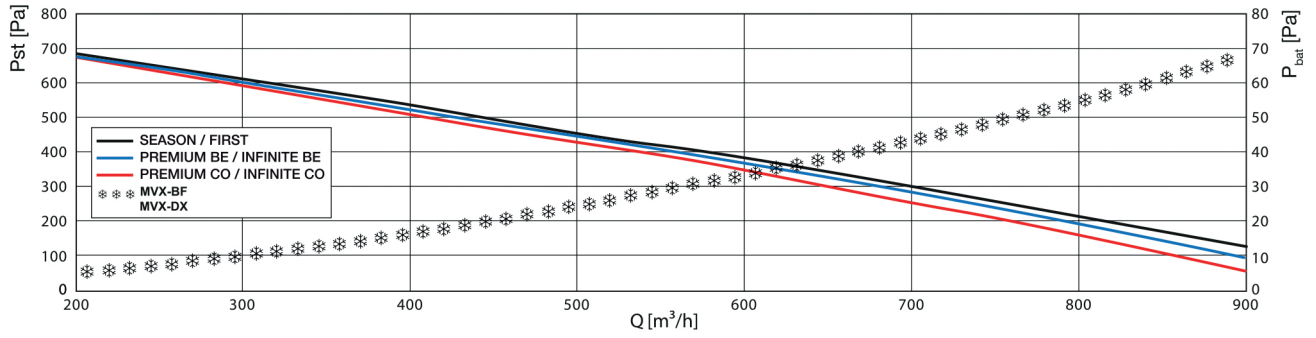
F = First

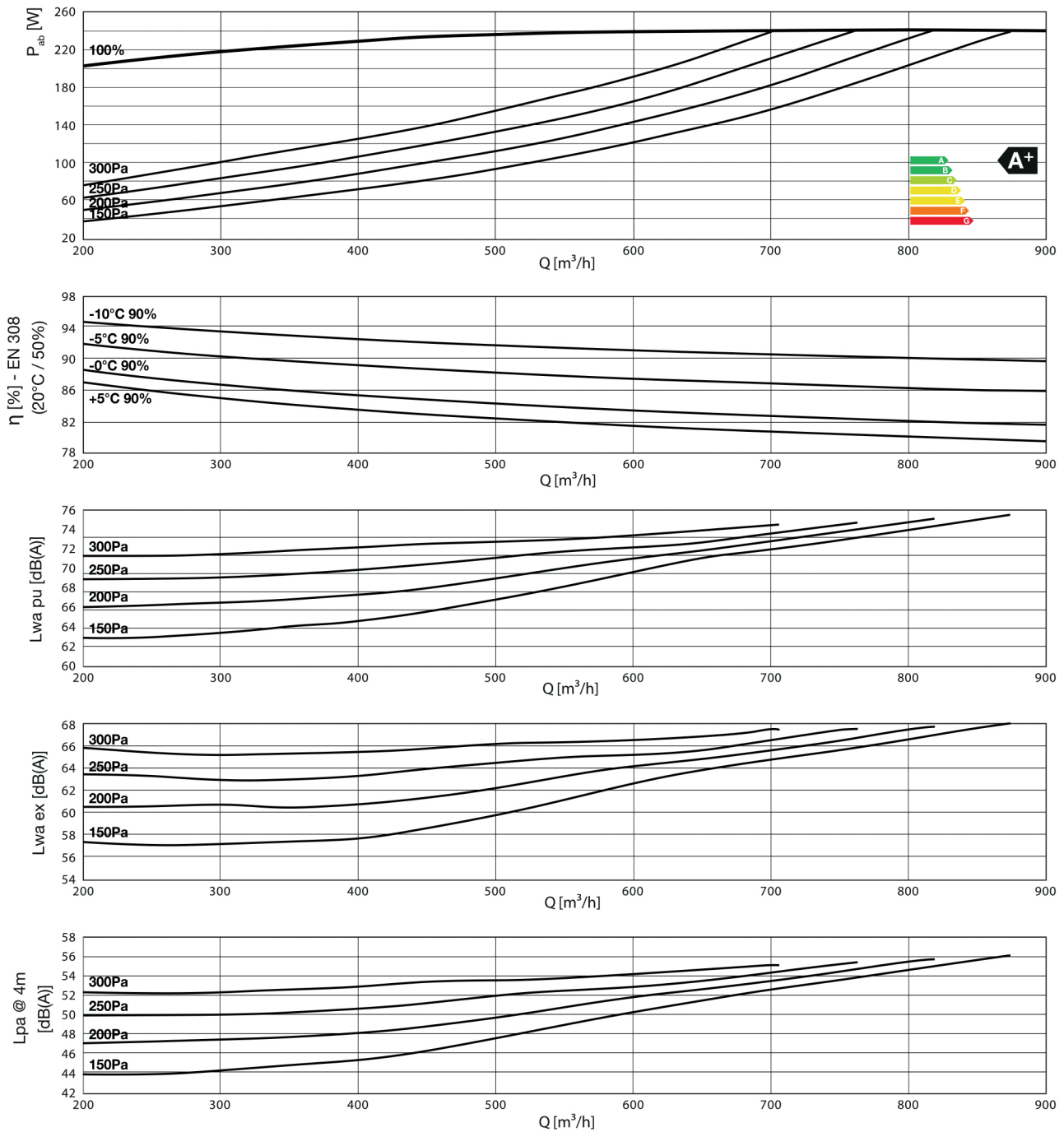
S = Season

W = Configuration (configurations Y - D - E - G - F on available on demand)

Selection curves

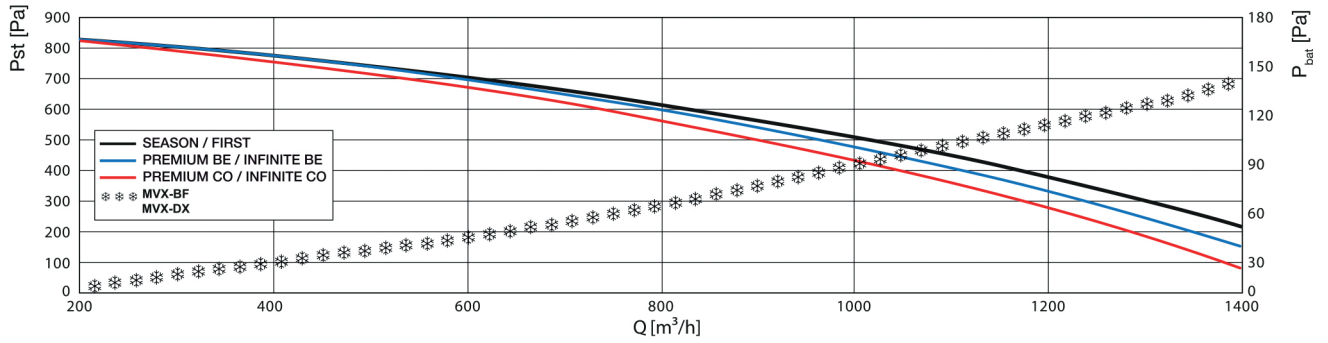
GTDHR(V) 9008

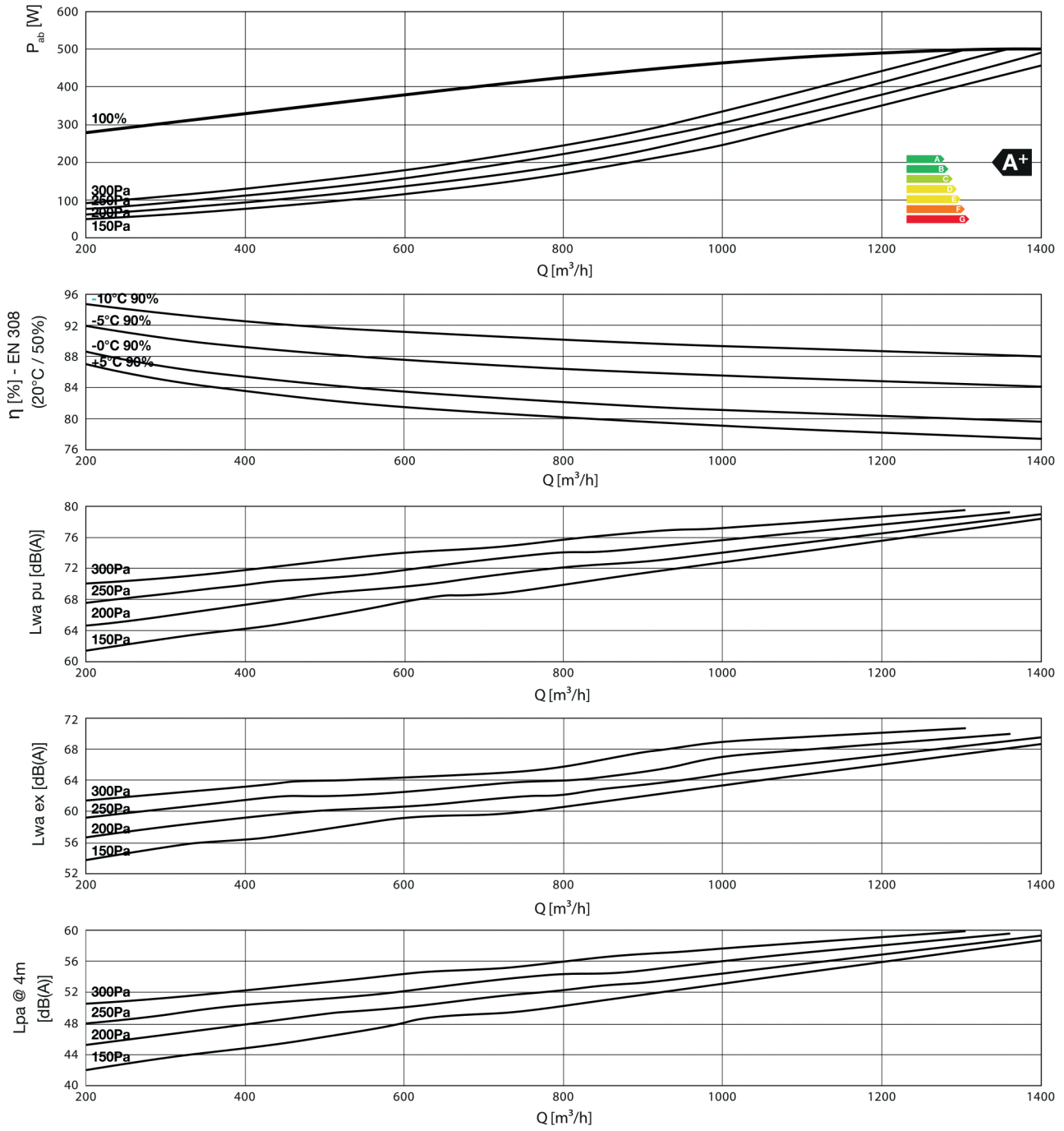




Selection curves

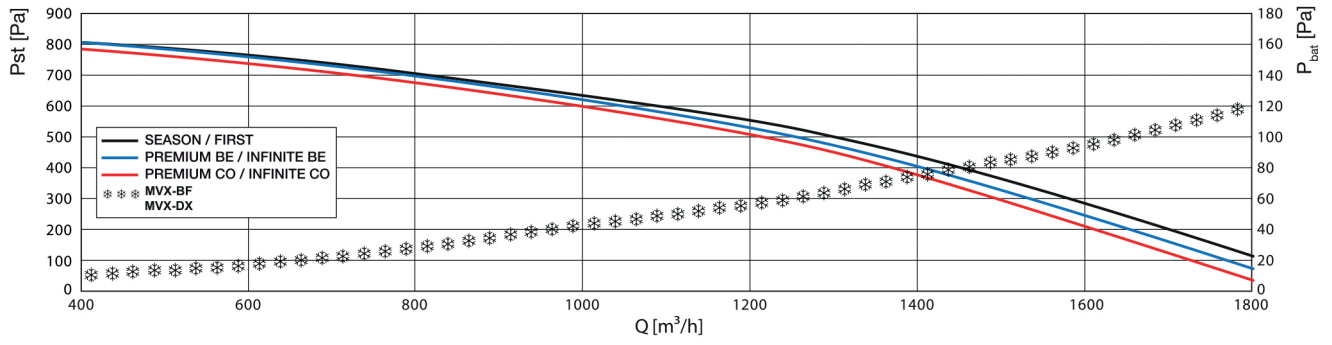
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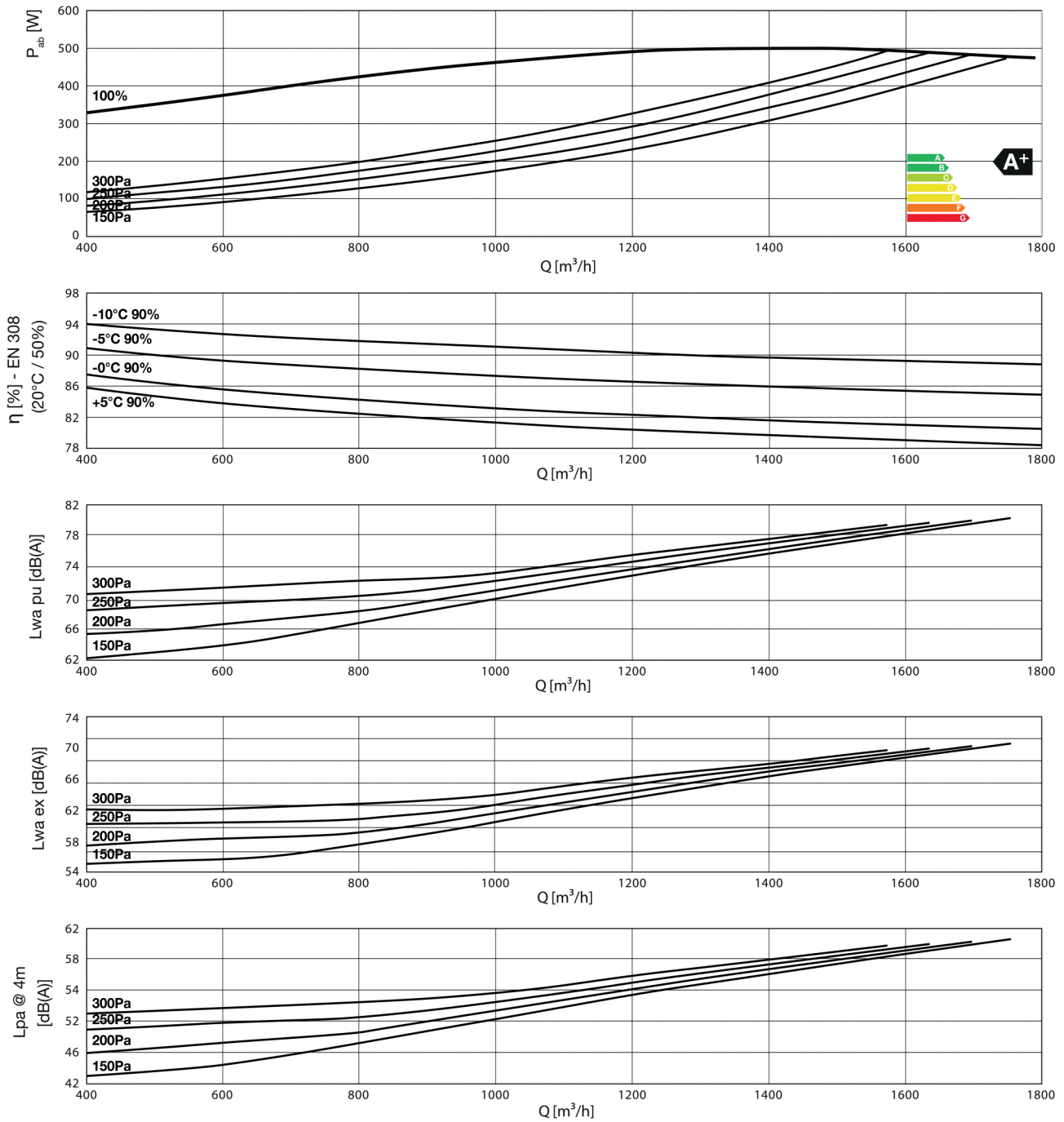




Selection curves

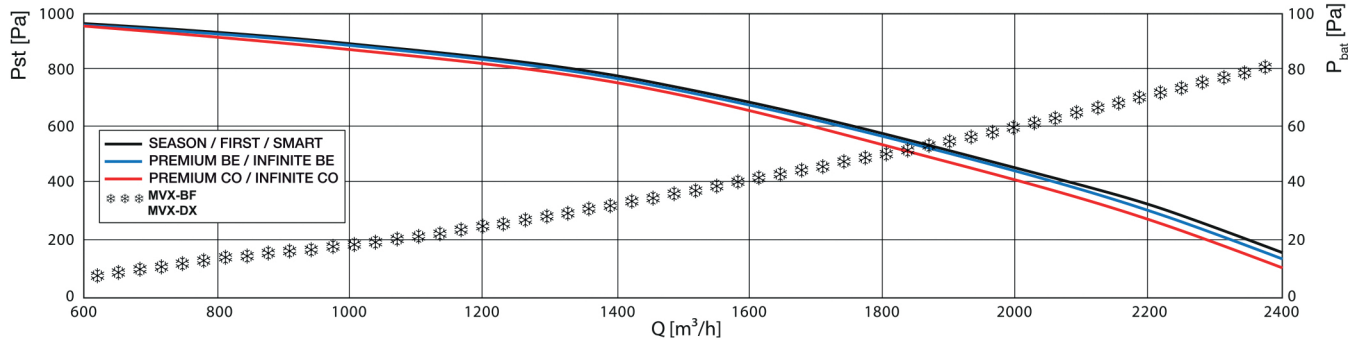
GTDHR(V) 9016

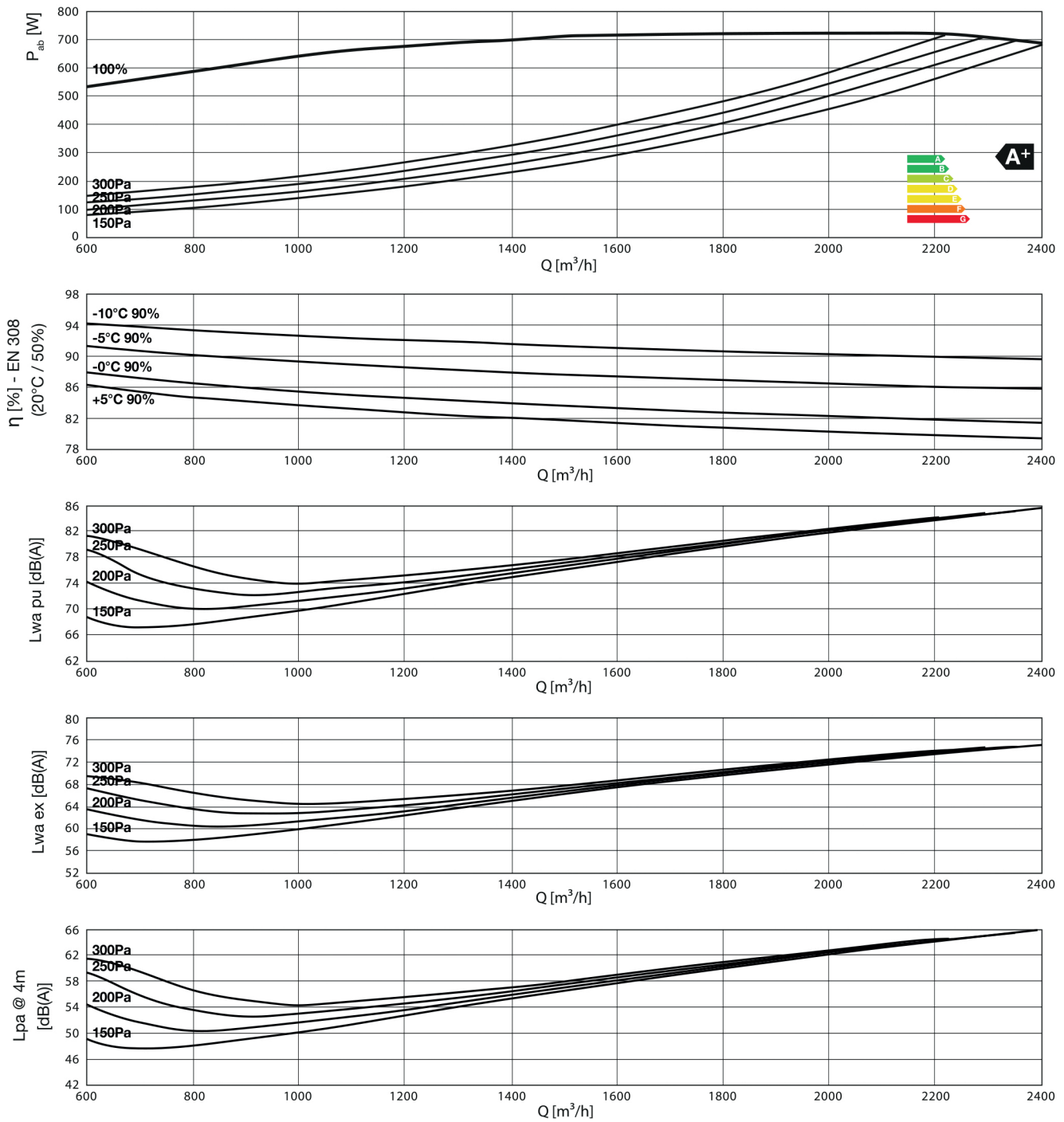




Selection curves

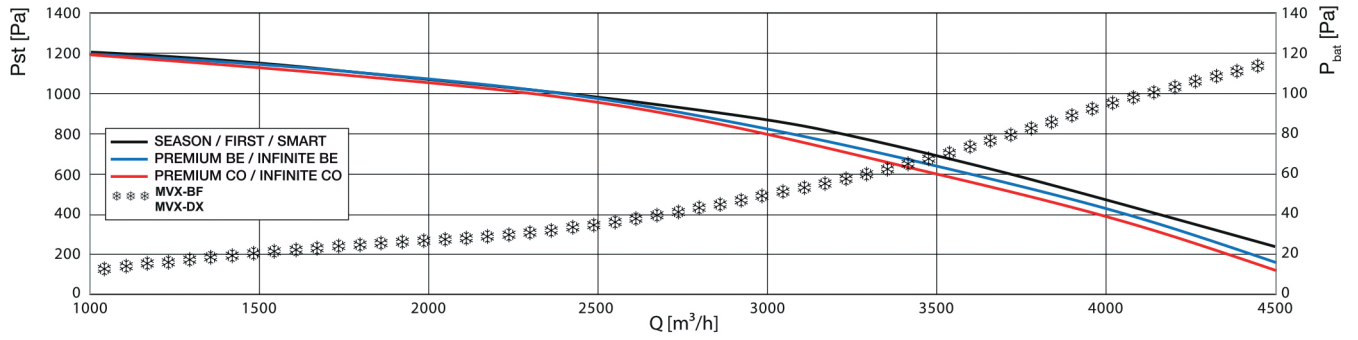
GTDHR(V) 9023

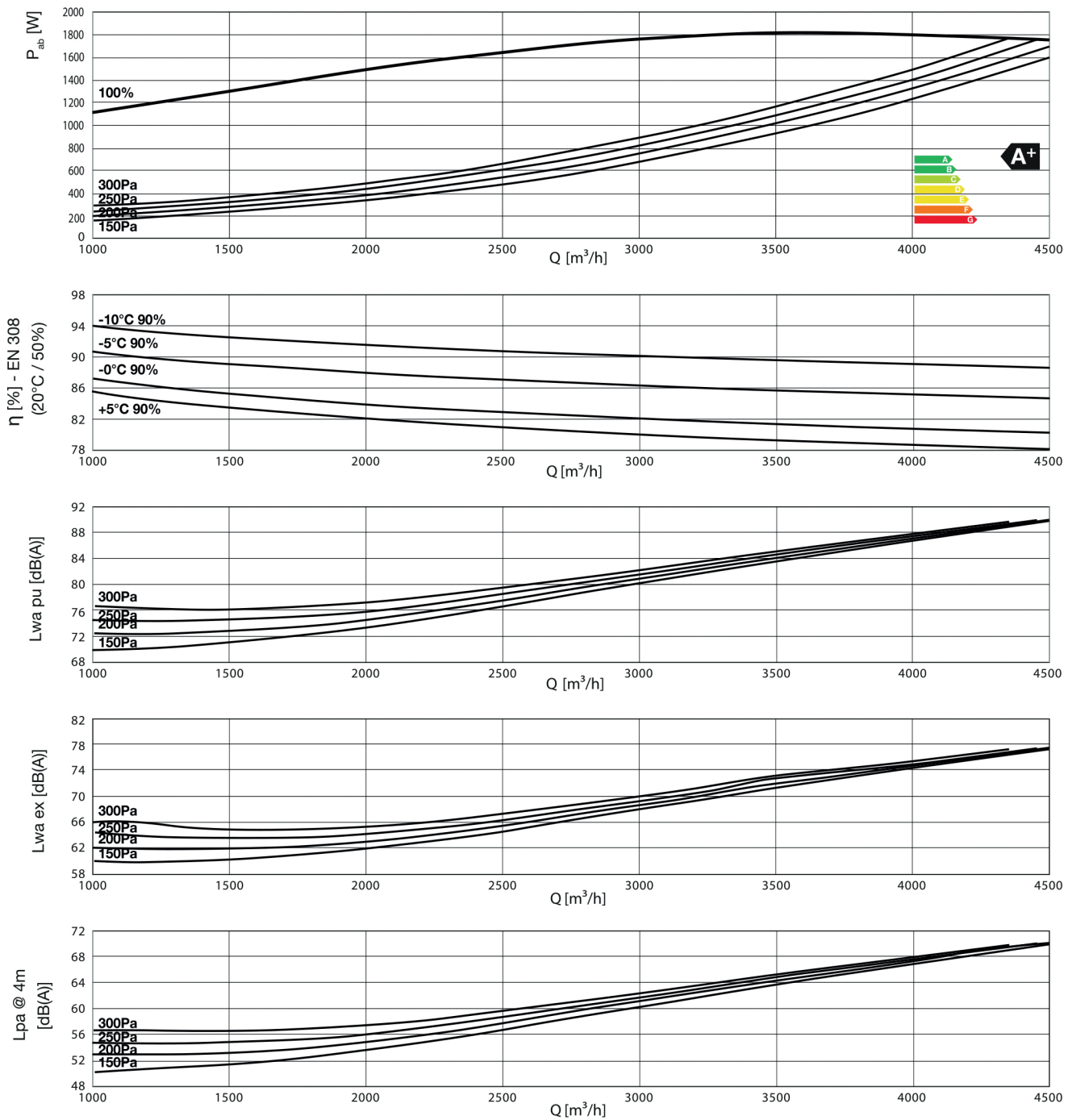




Selection curves

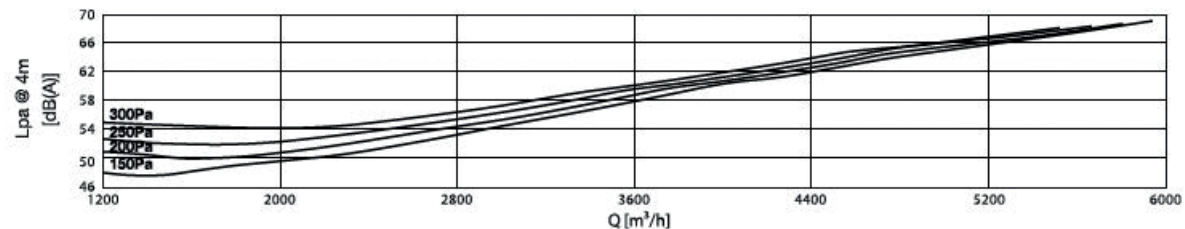
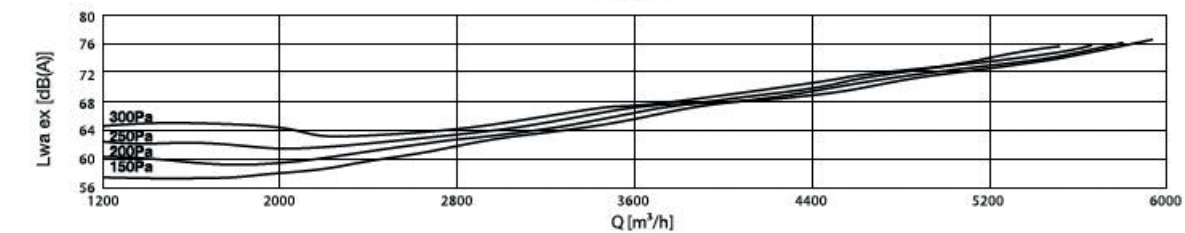
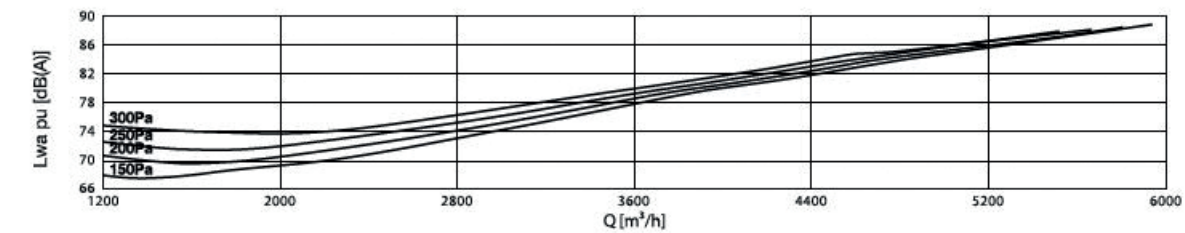
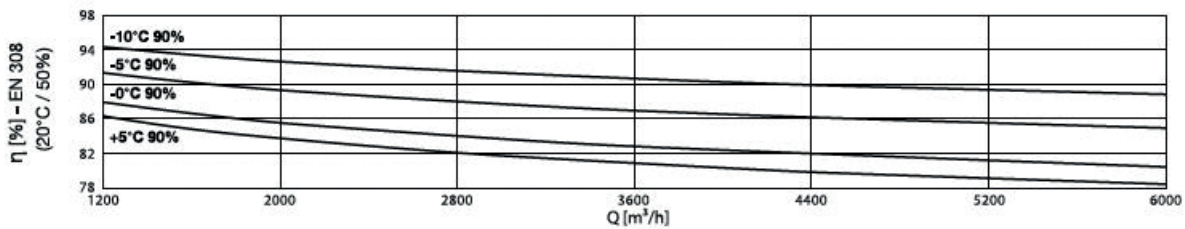
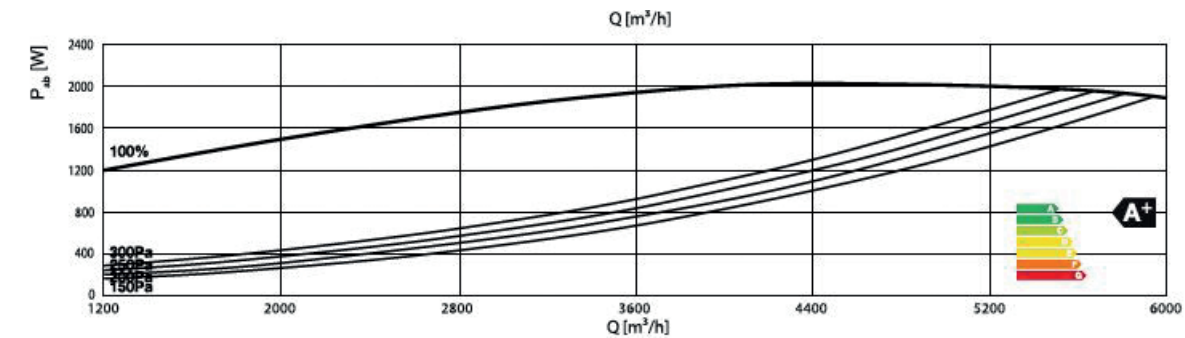
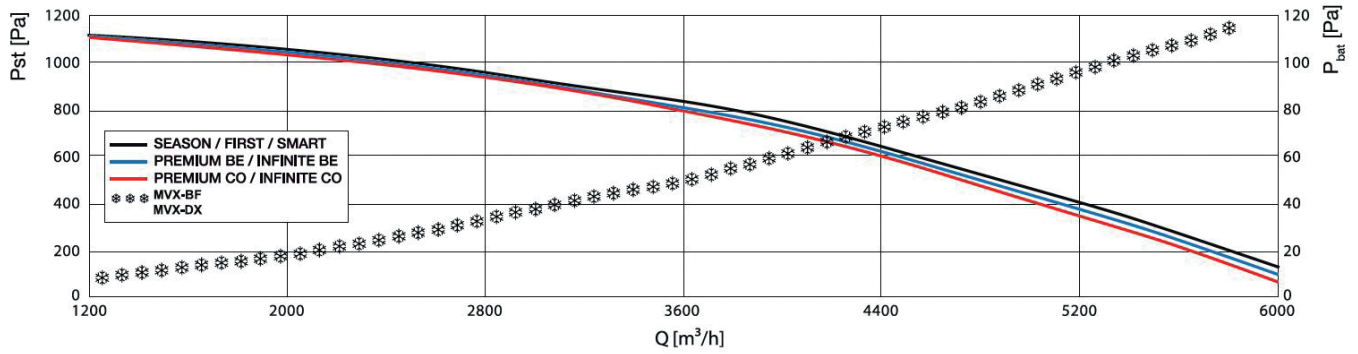
GTDHR(V) 9035





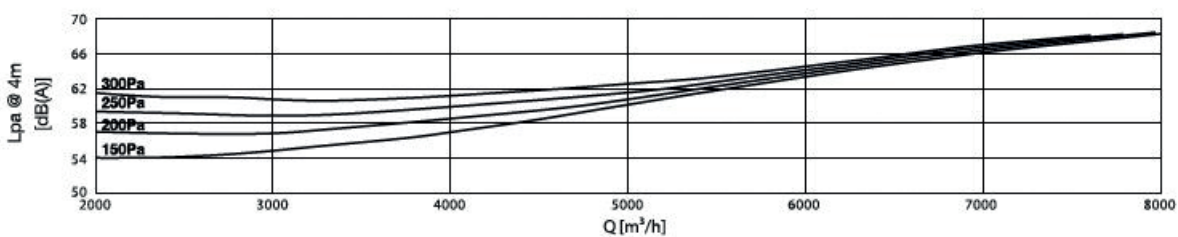
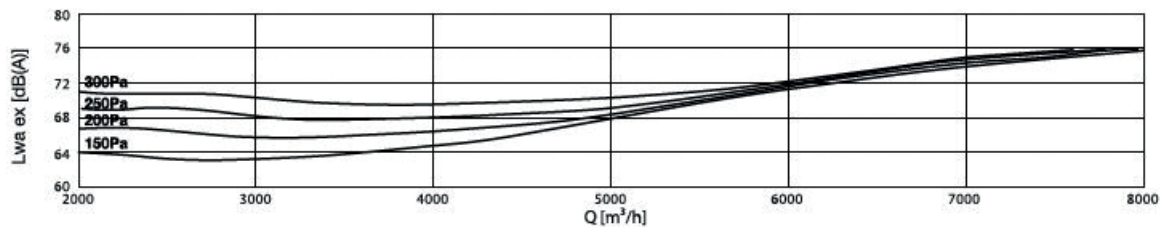
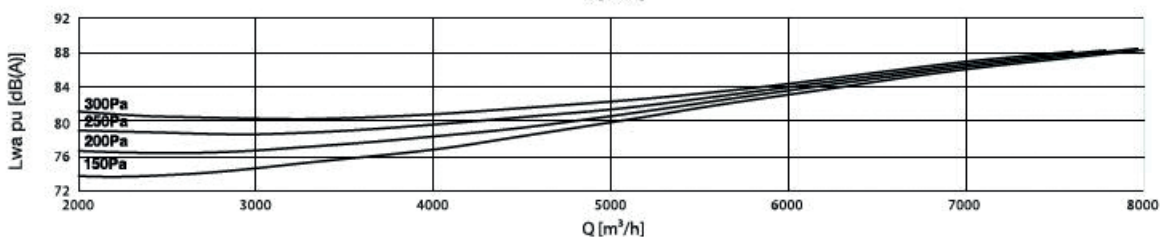
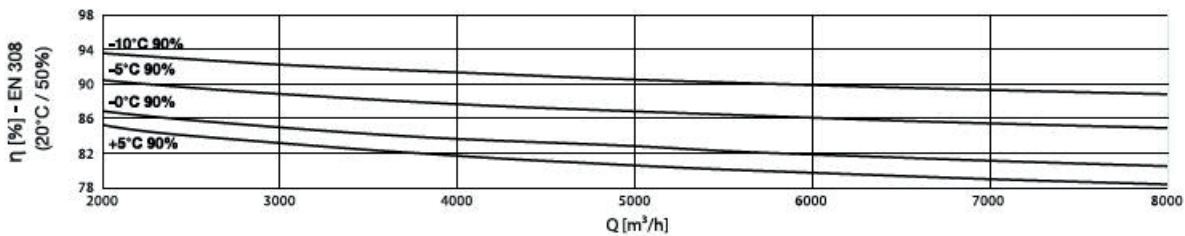
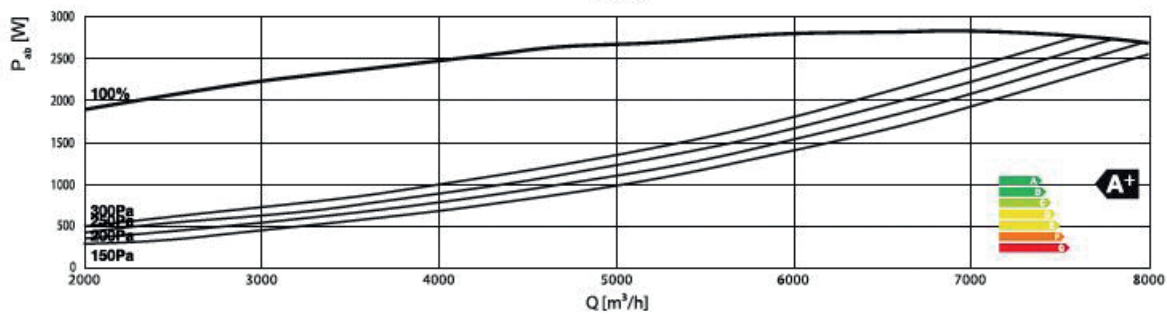
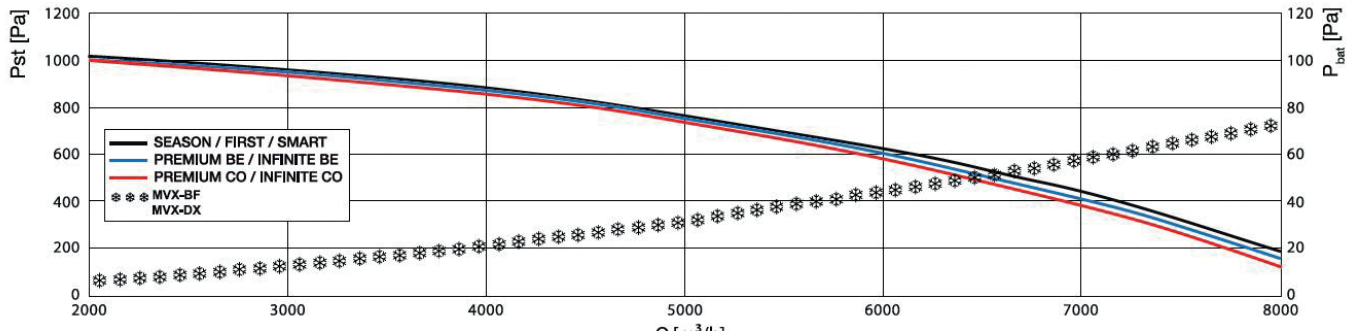
Selection curves

GTDHRV 9048



Selection curves

GTDHRV 9070



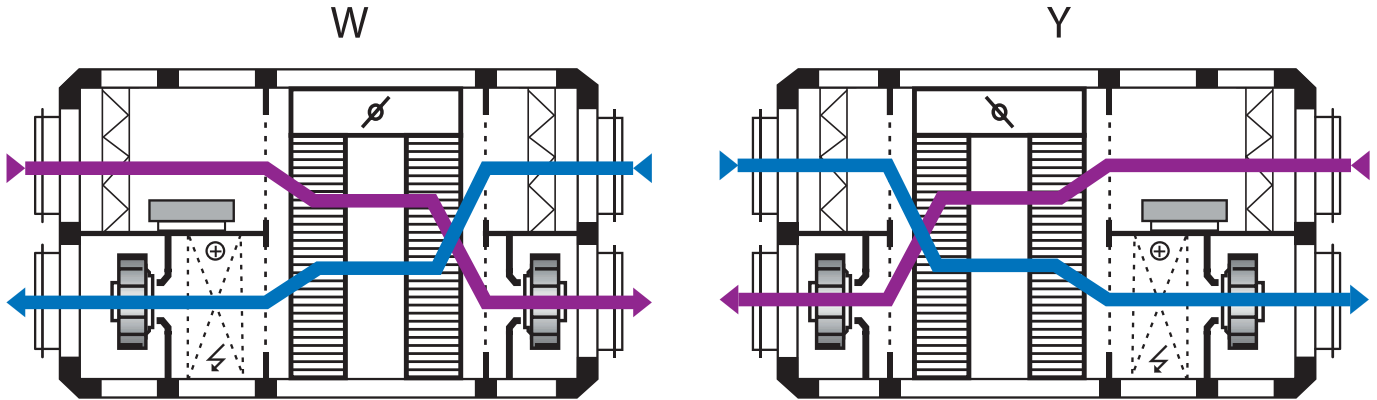
- P_{ab} [W] * = Absorbed power per fan
- L_{pa} @ 4m = Sound pressure level in free field with inlets and outlets connected

	Technical data					
	U [V]	P [W]	I_{max} [A]	t_m [°C]	t_o [°C]	IP
GTDHRV 9008	1 x 230	2 x 220	3,4	60	-20	IP44
GTDHRV 9010	1 x 230	2 x 480	4,3	60	-20	IP54
GTDHRV 9016	1 x 230	2 x 480	4,3	60	-20	IP54
GTDHRV 9023	1 x 230	2 x 700	6	40	-20	IP54
GTDHRV 9035	3 x 400	2 x 2500	7,7	40	-20	IP54
GTDHRV 9048	3 x 400	2 x 1950	6,3	50	-20	IP54
GTDHRV 9070	3 x 400	2 x 2730	8,4	60	-20	IP54

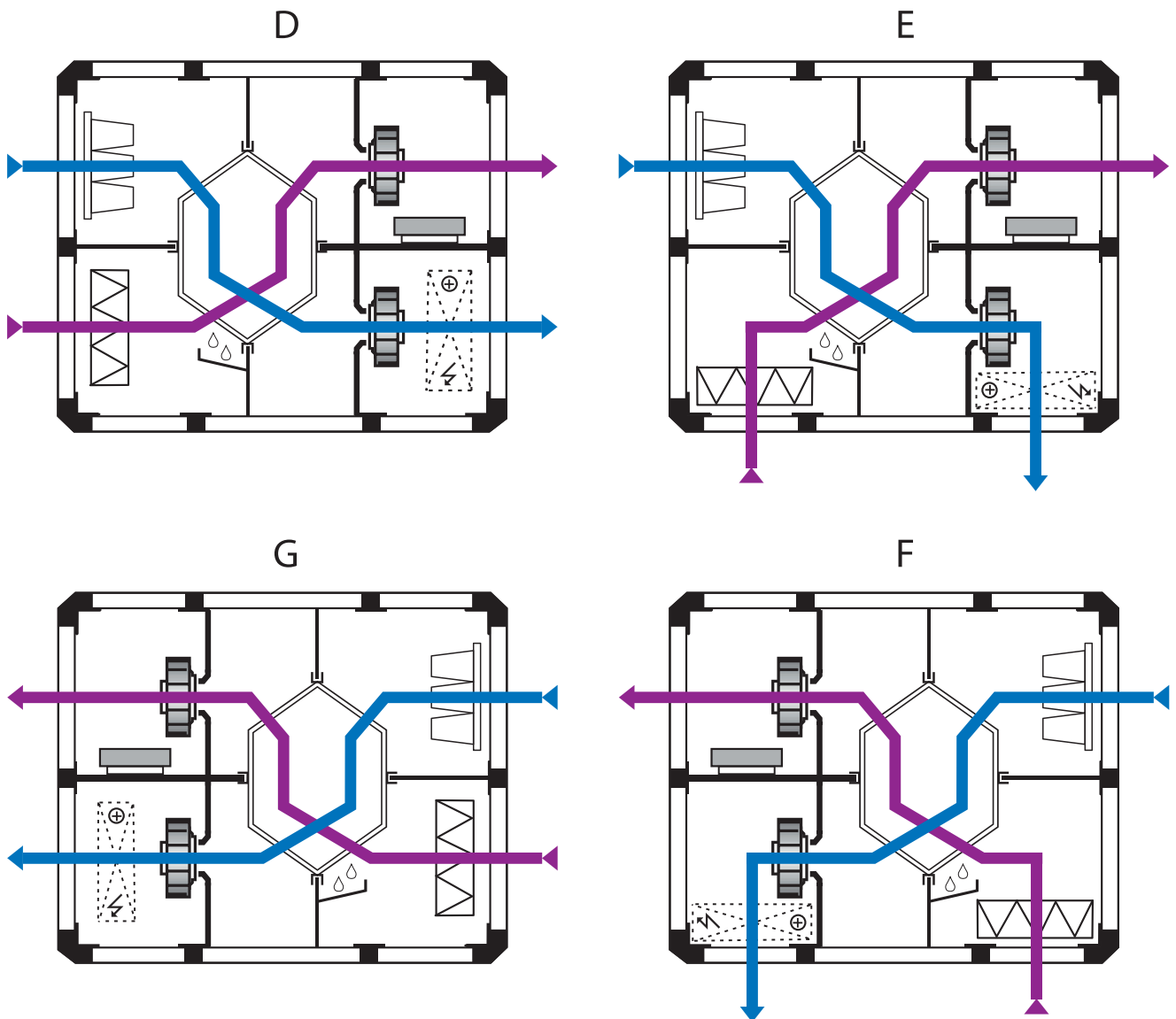
- * Fan curve is adjustable by means of potentiometers
- t_m = Maximum air temperature
 - t_o = Minimum operating temperature

Vertical configurations - superposed flow - view from access panel side

GTDHRV 9008 - 9048



GTDHRV 9070

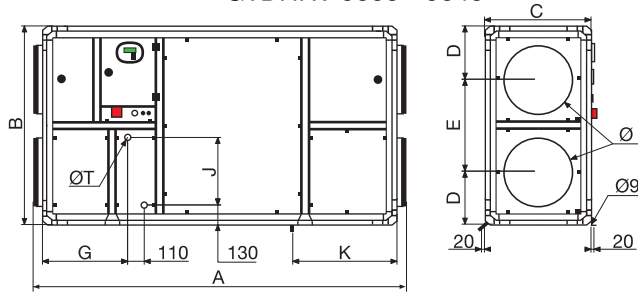


Blue arrow: Fresh air
Purple arrow: Return air

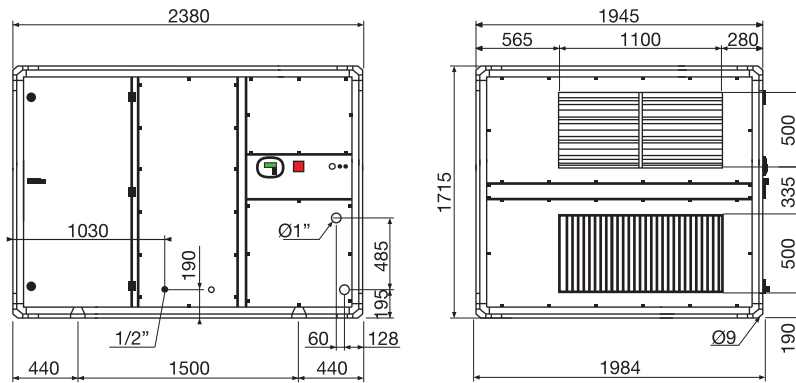
Configuration W = standard (other configurations available on demand)

Product drawing vertical configuration

GTDHRV 9008 - 9048



GTDHRV 9070



	Dimensions												
	Ø [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	F1 [mm]	F2 [mm]	G [mm]	J [mm]	K [mm]	[kg]
GTDHRV First S 9008	315	2010	915	505	255	405	1097	362	517	500	245	540	215
GTDHRV First S 9010	315	2010	915	505	255	405	1097	362	517	500	245	540	220
GTDHRV First S 9016	400	2230	1115	605	305	505	1261	362	607	565	345	690	295
GTDHRV First S 9023	450	2345	1315	705	355	605	1376	362	607	565	445	690	395
GTDHRV First S 9035	500	2625	1515	805	405	705	1520	450	655	640	545	740	550
GTDHRV First S 9048	630	2970	1715	1030	455	805	1677	535	758	685	645	840	720
GTDHRV First S 9070		2380	1715	1945	190	335				188	680	440	900