

## GTDHR First S

- Non residential
- Counterflow
- R-COVERY by ZEHNDER CALADAIR
- $Q_v \leq 4500 \text{ m}^3/\text{h}$
- Horizontal
- Heat recovery unit with efficiency  $\geq 75\%$



## High efficiency heat recovery units type GTDHR First S

Heat recovery unit with high efficiency 90%

### Brand

- R-COVERY by ZEHNDER CALADAIR

### Application

- Ventilation for non-residential and industrial applications

### Certification

- Heat exchanger is Eurovent certified
- Efficiency of the heat exchanger of more than 90% (EN308), in accordance with RT2012 and the directive ErP 2009/125/EC
- Construction according to EN 1886
- Classifications: L1 T3 TB2 D1
- Filter leakage class: F9

### Accessories

- Airtight control valve **AKH**
- **MX-RM**
- **MX-AGC**
- **MTS**

### Order example

**GTDHR 9023 F S -L**

Explanation

**GTDHR** = Type heat recovery unit

**9023** = Size **6**

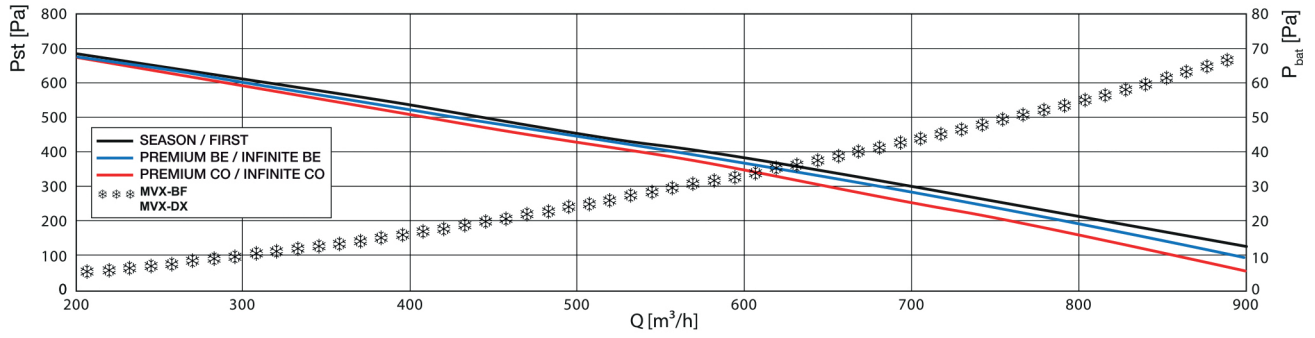
**F** = First

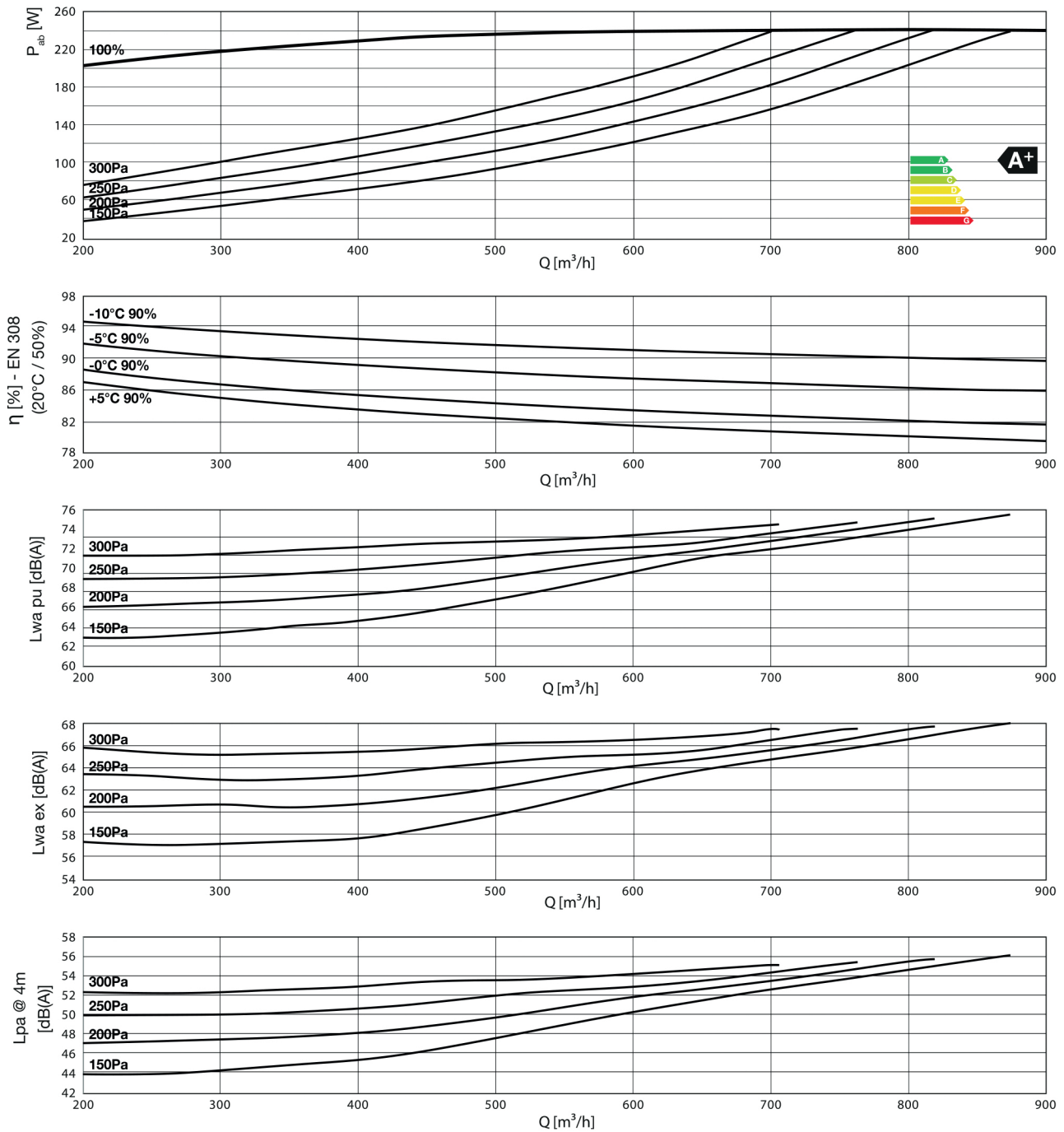
**S** = Season

**L** = Configuration (configuration P only available on demand)

Selection curves

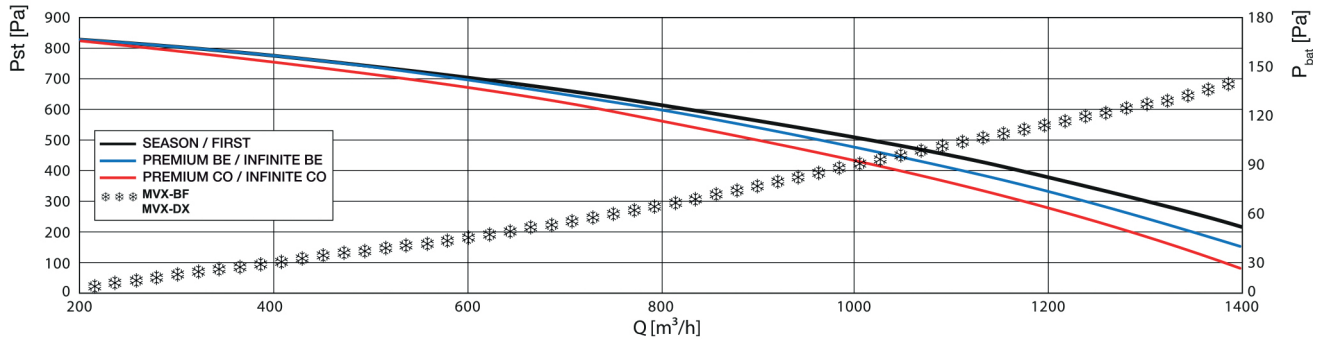
GTDHR(V) 9008

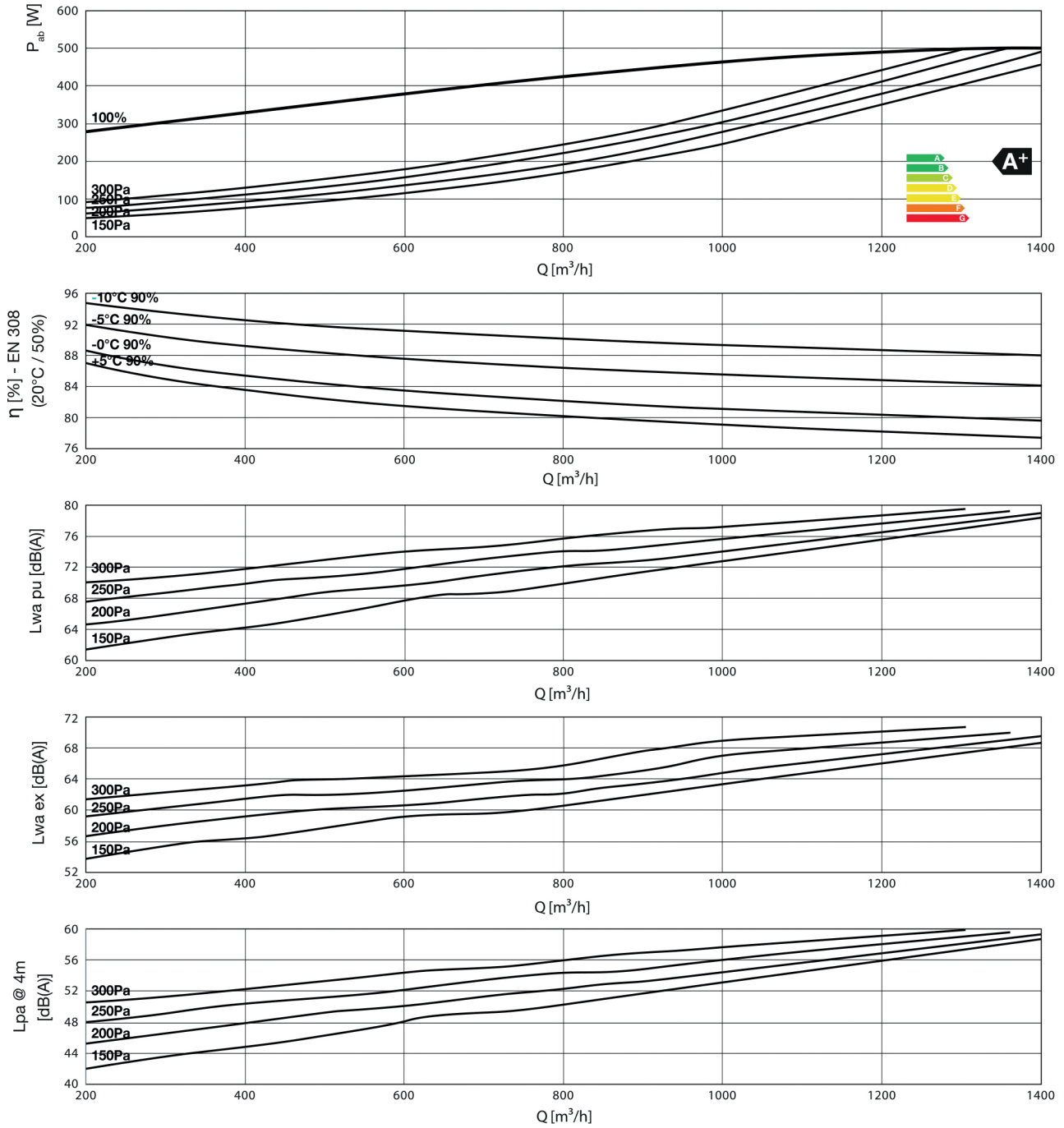




Selection curves

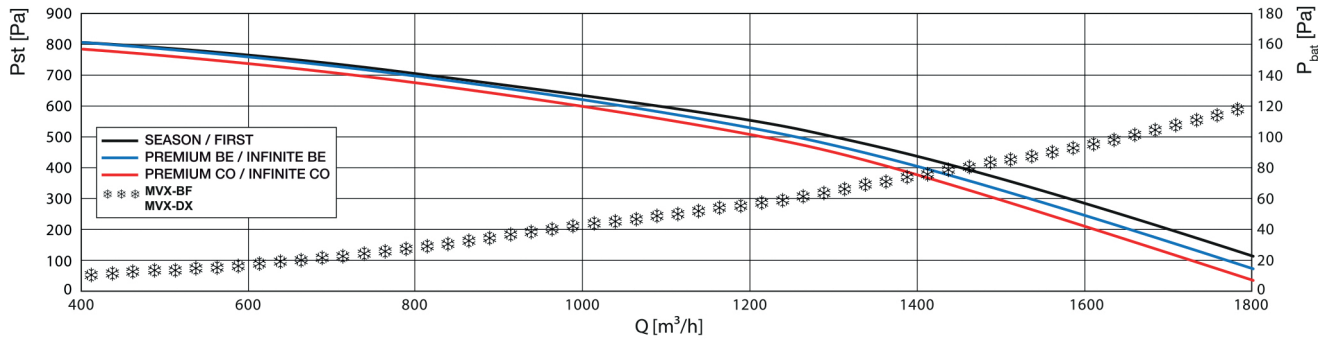
GTDHR(V) 9010

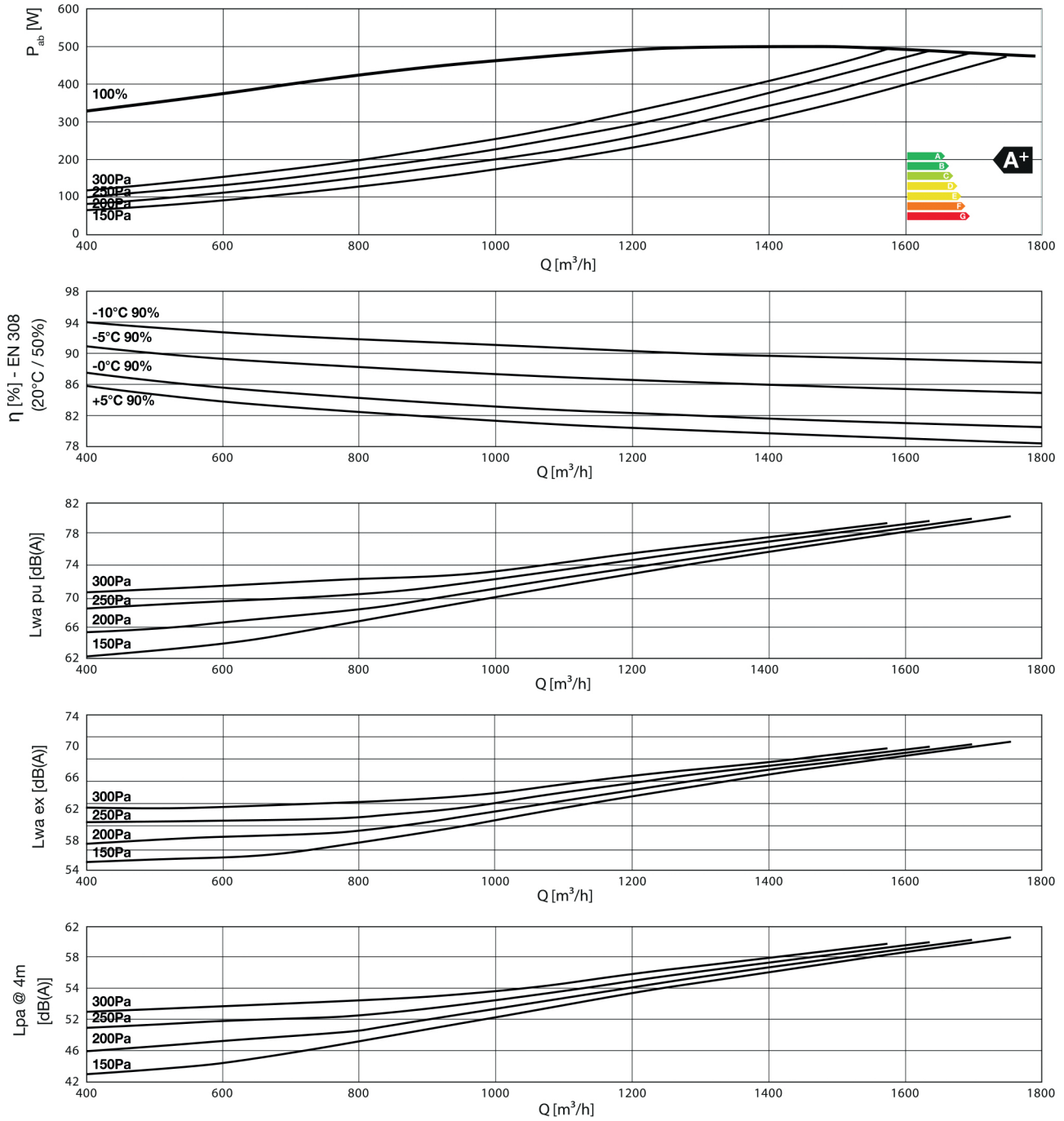




Selection curves

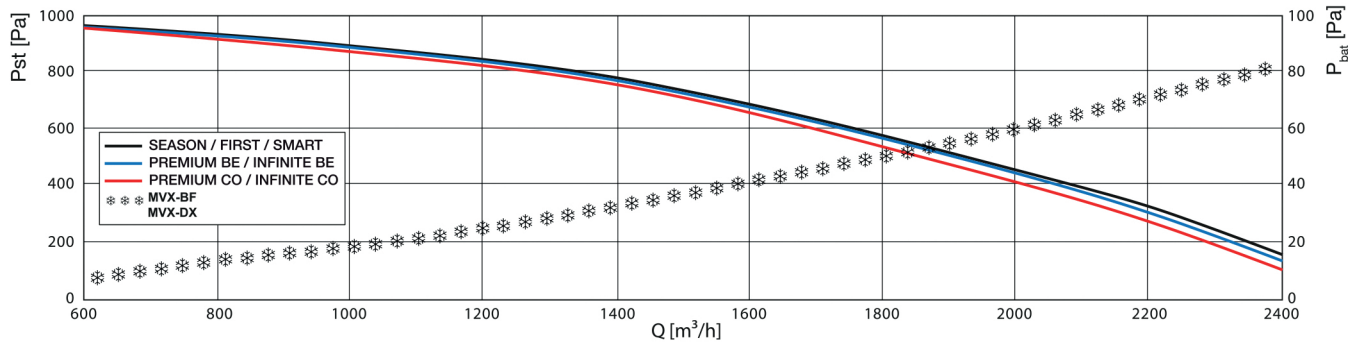
GTDHR(V) 9016



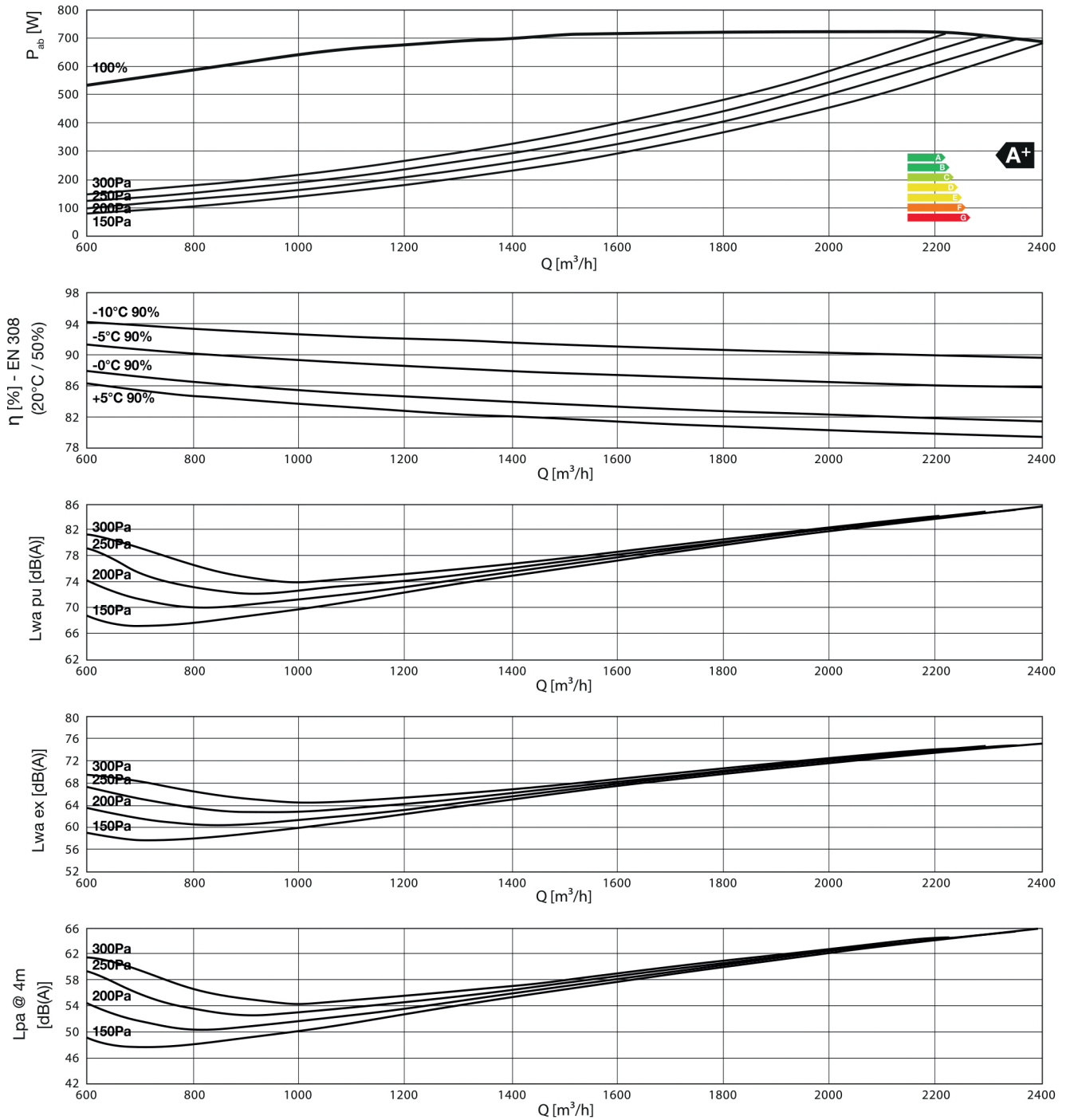


Selection curves

### GTDHR(V) 9023

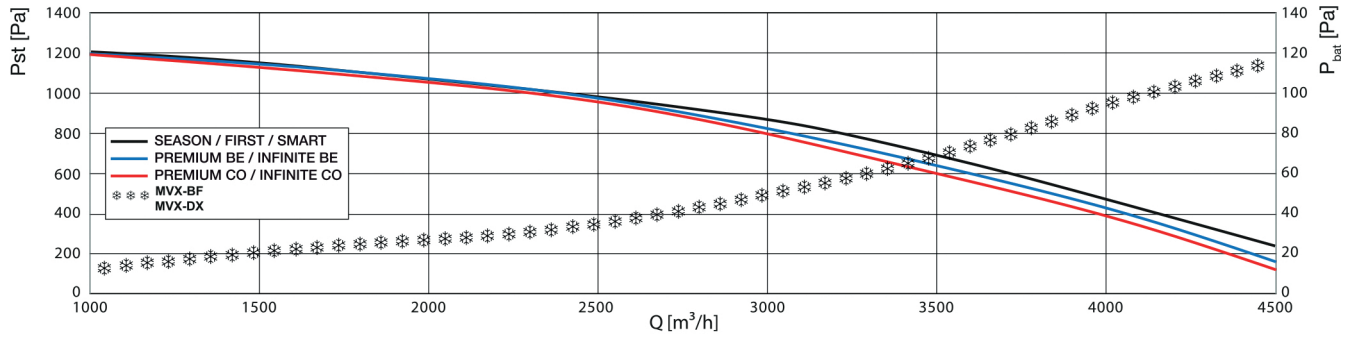


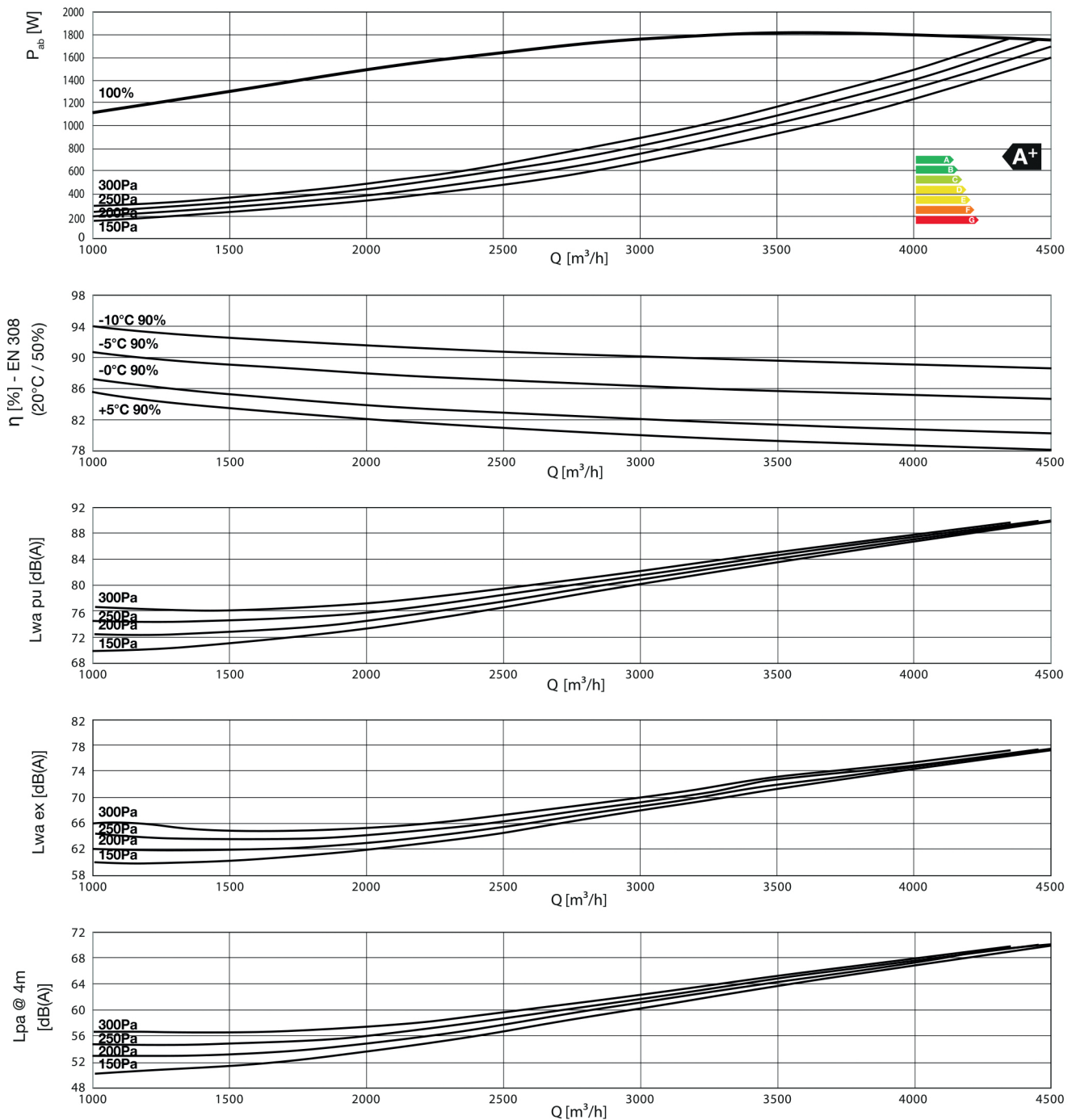




Selection curves

GTDHR(V) 9035





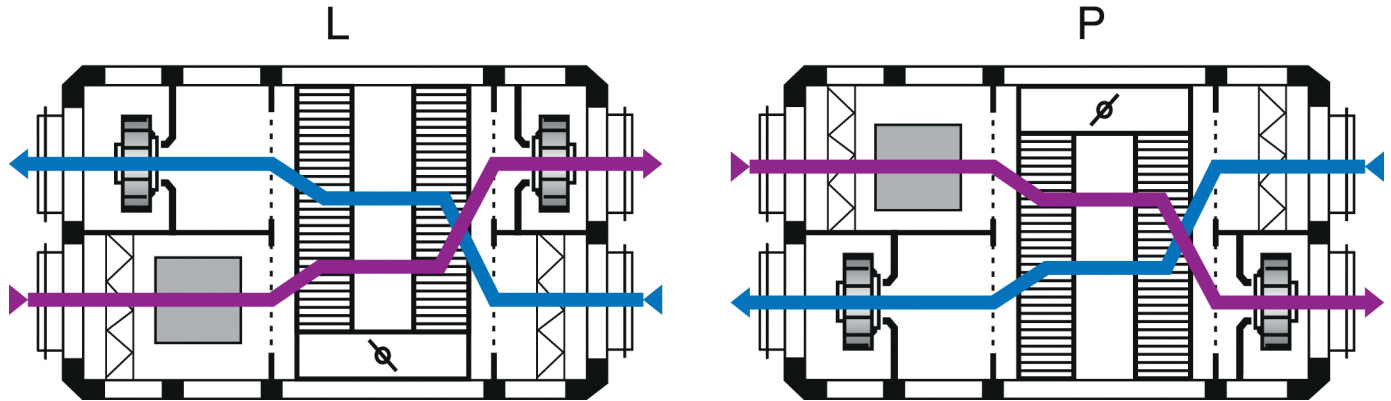
- $P_{ab}$  [W] \* = Absorbed power per fan
- $L_{pa @ 4m}$  = Sound pressure level in free field with inlets and outlets connected

Technical data									
	$Q_{max}$ [ $\text{m}^3/\text{h}$ ]	$P_{Smax @ Q_{max}}$ [Pa]	U [V]	P [W]	$I_{max}$ [A]	$t_m$ [°C]	$t_o$ [°C]	IP	
GTDHR 9008	800*	250*	1 x 230	2 x 220	3.4	60	-20	IP44	
GTDHR 9010	980*	500*	1 x 230	2 x 480	4.3	60	-20	IP54	
GTDHR 9016	1550*	400*	1 x 230	2 x 480	4.3	60	-20	IP54	
GTDHR 9023	2300*	350*	1 x 230	2 x 700	6	40	-20	IP54	
GTDHR 9035	3500*	700*	3 x 400	2 x 2500	7.7	40	-20	IP54	

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

Horizontal configurations - side by side flow - top view

GTDHR 9008 - 9035

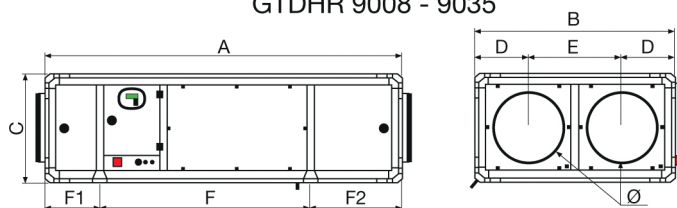


Blue arrow: Fresh air  
Purple arrow: Return air

Configuration P is only available on demand

Product drawing horizontal configuration

GTDHR 9008 - 9035



	Dimensions									
	Ø [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	F1 [mm]	F2 [mm]	[kg]
GTDHR First S 9008	315	2010	915	505	255	405	1097	362	517	210
GTDHR First S 9010	315	2010	915	505	255	405	1097	362	517	215
GTDHR First S 9016	400	2230	1115	605	305	505	1261	362	607	295
GTDHR First S 9023	450	2345	1315	705	355	605	1376	362	607	390
GTDHR First S 9035	500	2625	1515	805	405	705	1520	450	655	545

Attention

- The GTDHR 9048 and 9070 only exist in vertical configuration