



GTDHRV Infinite

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



HRU with pre- and post-heating coil $\leq 8000 \text{ m}^3/\text{h}$ type GTDHRV Infinite

Heat recovery unit with high efficiency 90%. The range consists of 6 sizes and 7 types for air flows from 200 up to 7000 m^3/h . Each model **GTDHRV** is equipped with 2 adjustable air flows.

The **GTDHRV Infinite** is a **GTDHRV Premium** with an electrical preheater for temperatures till -20°C .

Brand

- R-COVERY by ZEHNDER CALADAIR

Application

- Automatic ventilation and high efficiency heat recovery of air in non residential and industrial applications
- Air filtration, temperature control
- Compact monoblock ventilation unit, with plug & play and energy-saving control system (EN 15232)

Composition

- Structure with aluminium profiles, thermal bridge free
- Corners in reinforced polyamide
- Double skinned panels with high-density glass wool insulation 50 mm (60 kg/m^3) with fire class A1 (M0)
- Outer layer: prelacquered steel plate (RAL 7035) with protection sheet
- Inner layer: galvanized steel plate
- Internal elements access panel equipped with security bolt
- Corner pieces for floor or ceiling mounting
- Round connections with lip seals until the **GTDHRV 9048** and rectangular connections for the **GTDHRV 9070**
- Condensation tray and drain dia 20mm
- Built in 100% Bypass, motorised and auto regulating
- Built in regulation with front display IP65
- FREE-COOLING and NIGHT-COOLING function
- Built in temperature sensors (4)
- Built in clock for two flow rate function
- Built in week clock and public holidays
- Safety switch
- Pressostat on inlet filter **F7**
- Pressostat on each fan
- Standard Modbus or Bacnet available

Fan

- Single inlet centrifugal fan with back draw blades, statically and dynamically balanced G6.3 according to DIN ISO 1940
- Direct driven EC motor with thermal protection, efficiency class IE3 (Premium Efficiency)
- Fan mounted on anti-vibration blocs
- Plug fan with epoxy coating, brand Ziehl Abegg (GTDHR 9010 in galvanized steel, brand EBM Papst)
- Direct driven EC current motor with electronic commutation (EC) with high efficiency, thermal protection and integrated speed control
- The EC technology has brought together high efficient EC motors with low energetic consumption for the management, control and the supervision of the duty point (regulation from 10 to 100%)
- Low noise level for a better acoustic comfort

Exchanger

- Static flux counter-flow exchanger made of seawater resistant aluminium, brand Klingenburg type GS
- Efficiency 90% at -10°C/90% inlet air - +20°C/50% on exhaust air (EN308)

Filter

- Filters are placed directly in front of the components for optimal protection
- Mounted on sliding rails with lip seals to ensure efficient air tightness
- Basic **GTDHRV** type as one **F7** - ISO 16890 ePM1 – 55% (inlet air) and one **G4** - ISO 16890 Coarse 65% (exhaust air) filters, thickness 100 mm
- **F7** high efficiency filter: 10x higher filtration surface than a gravimetric filter and life span 2.5x longer
- Filter class **M5** - ePM 10 50% - ISO 16890

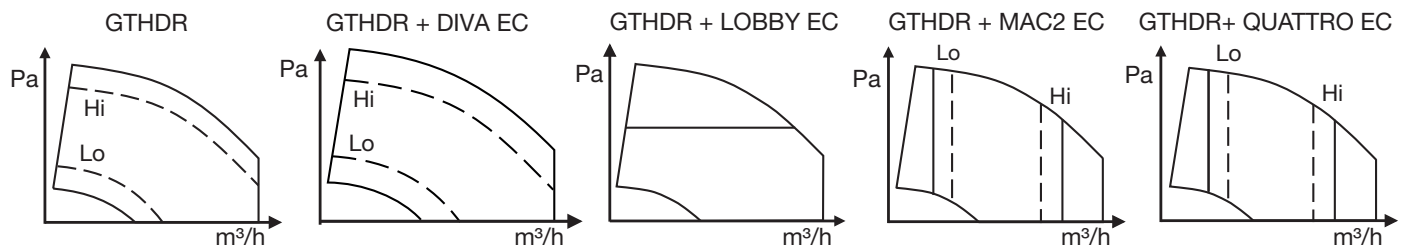
Options

- **GTDHRV DIVA®EC***: Proportional modulating flow (between a set min. And max. Flow) of each fan based on a built-in CO2 measurement.

The CO2 content (number of ppm) is adjustable in the control.

- **GTDHRV LOBBY®EC***: Constant pressure ventilation for each fan
- **GTDHRV MAC2®EC***: Two adjustable constant airflows for each fan. (except for the GTDHR 9008)
- **GTDHRV QUATTRO®EC***: Proportional ventilation between two constant air duties (high and low speed) for each fan (except for the GTDHR 9008) with built-in CO2 sensor in the exhaust side of the unit

* this regulation will be integrated in the unit. It is not possible to add this regulation afterwards



Certification

- Efficiency of the heat exchanger of more than 90% (EN308), in accordance with RT2012 and the directive ErP 2009/125/EC
- Standard construction with double skinned panels of 50 mm
- In conformity with EUROVENT classifications according to EN1886 and EN13053
- Resistance of the casing: Class 2
- Air tightness: Class L1
- Conductivity: T3
- Thermal bridge: TB2
- Filter leakage class:F9
- Exterior panel made of steel lacquered 10/10^e
 - Finish RAL7035 - 25µm, gloss 40%, film 80µm
 - Primer RAL7032 - 5µm
- Inner panel made of galvanized steel 10/10^e
- Insulation: high density 50mm mineral wool, 60kg/m³, fire class A1 (M0)
- Structure with aluminium profiles cold bridge free

Accessories

- Airtight control valve **AKH**
- Motorizable opposite blade damper type **MVX-RM**
- Galvanized rain canopy type **MVX-AGC** with bird screen
- Replacement filters, type **MVX-G4** and **MVX-F7**
- Flexible sleeves type **MTS** diameter 250 to 630mm
- **Controllers for GTDHR/V up to serial number 225190:**
 - **E3-DSP** controller mounted on the unit as standard

- Remote controller available as an option
 - **E3-DSP** remote display (up to 100 metres, to be provided by the installer) with 3-metre **EDSP-K3** or 10-metre **EDSP-K10** Belden cable
 - **ED Touch** digital controller for units type GTDHR/V, Hexamotion(-S), Freetime(-S), Silvertop, Neotime (First and Premium)
 - Cable 4-wire 24 Vdc (Corrigo C+/GO) of 10 rmt included
- **Controllers for GTDHR/V from serial number 225191:**
 - **Easy 5.0** controller mounted on the unit as standard
 - Master touch screen controller
 - **EDT2** remote controller available as an option
 - Touch screen controller for end user

Other available products

- **GTDHRV** for air flows until 10700 m³/h upon request
- **GTDHRV First**
- **GTDHRV Premium**

Order example

GTDHRV 9023 IBCL-W

Explanation

GTDHRV = type heat recovery unit

9023 = size **6**

I = Infinite

BC = with water heater

BE = with electrical heater

L = LOBBY EC

D = DIVA EC

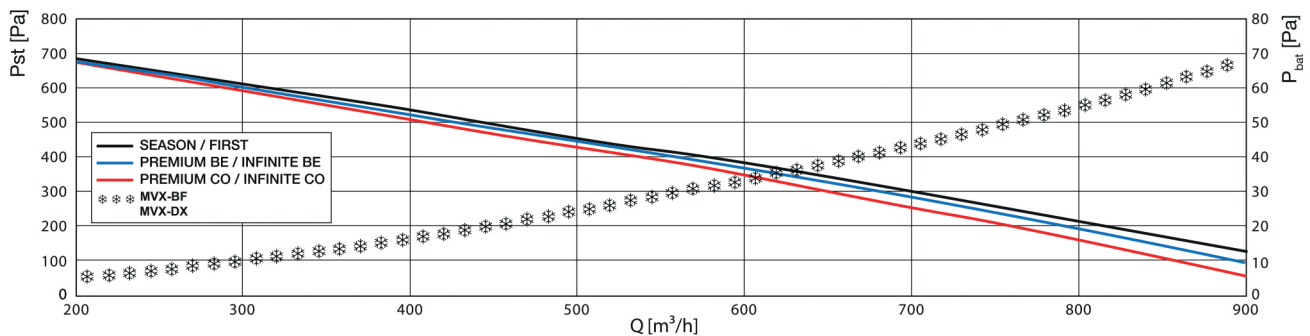
M = MAC2 EC

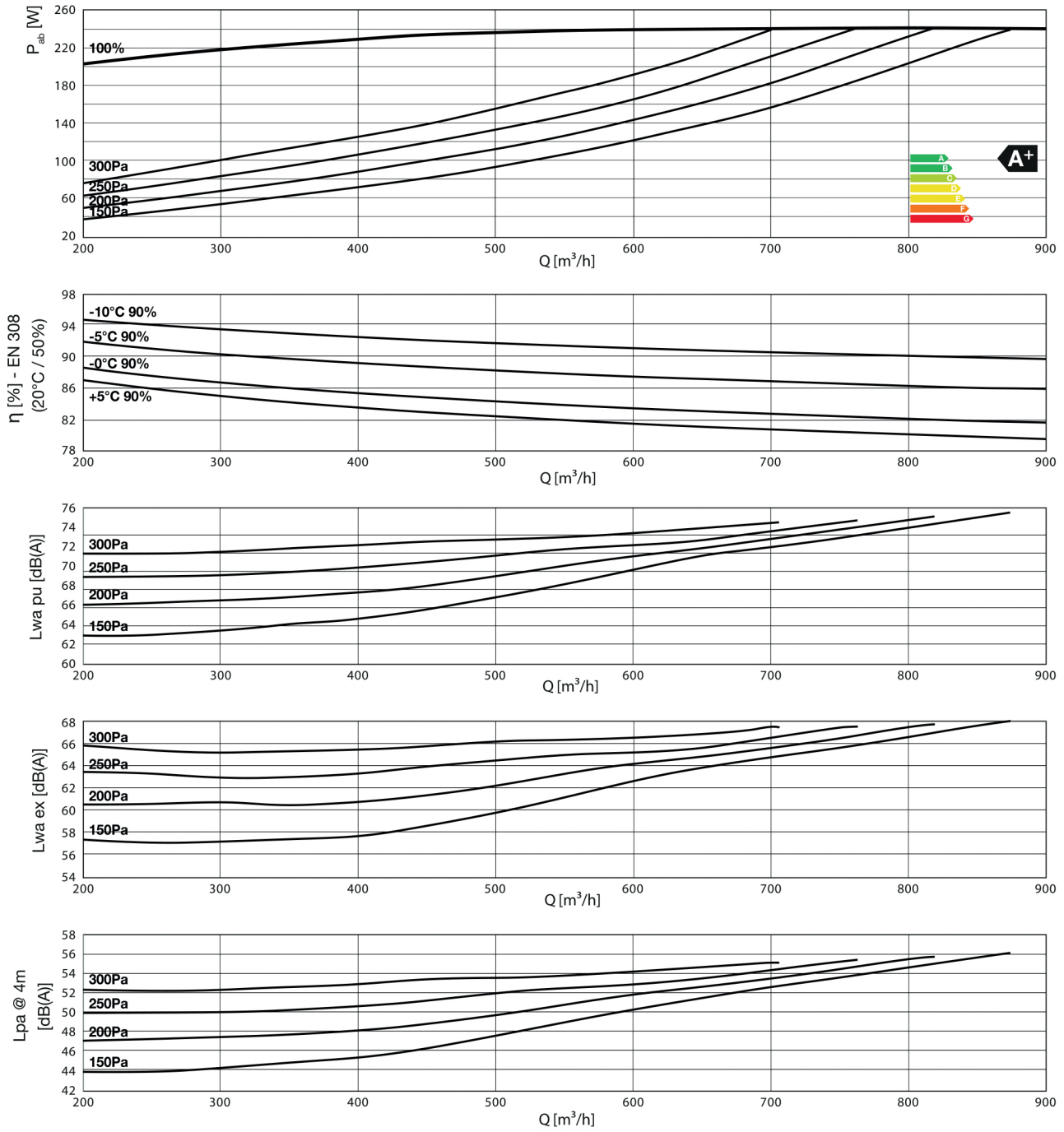
Q = QUATRO EC

W = configuration (configurations Y - D - G only available on demand)

Selection curves

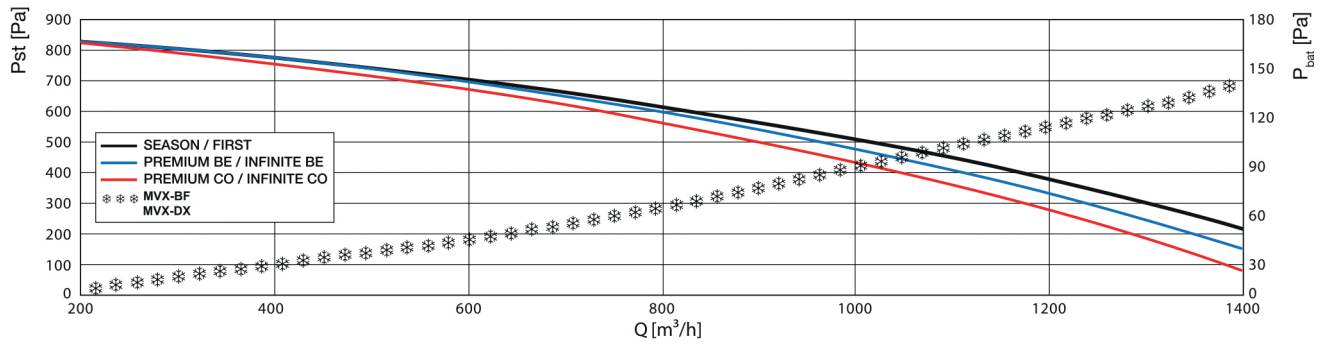
GTDHR(V) 9008

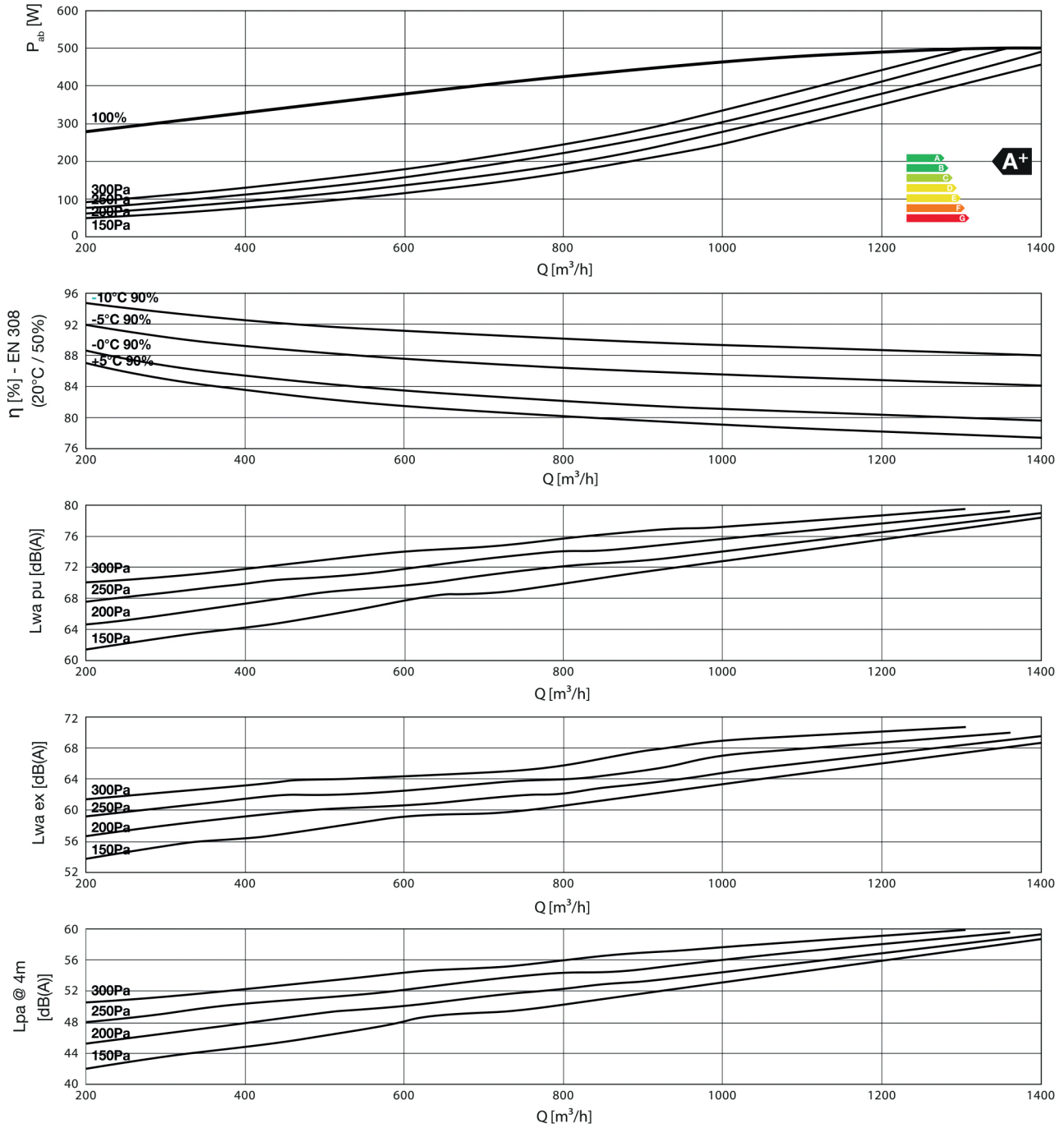




Selection curves

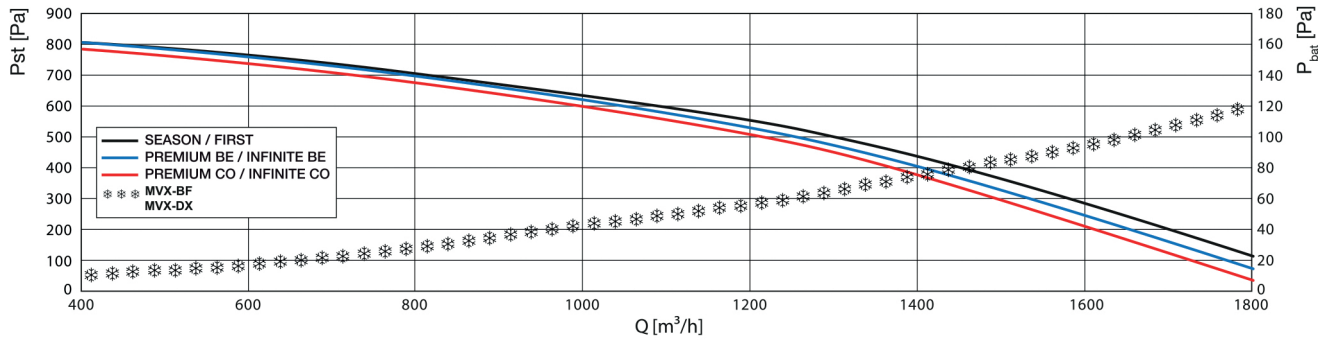
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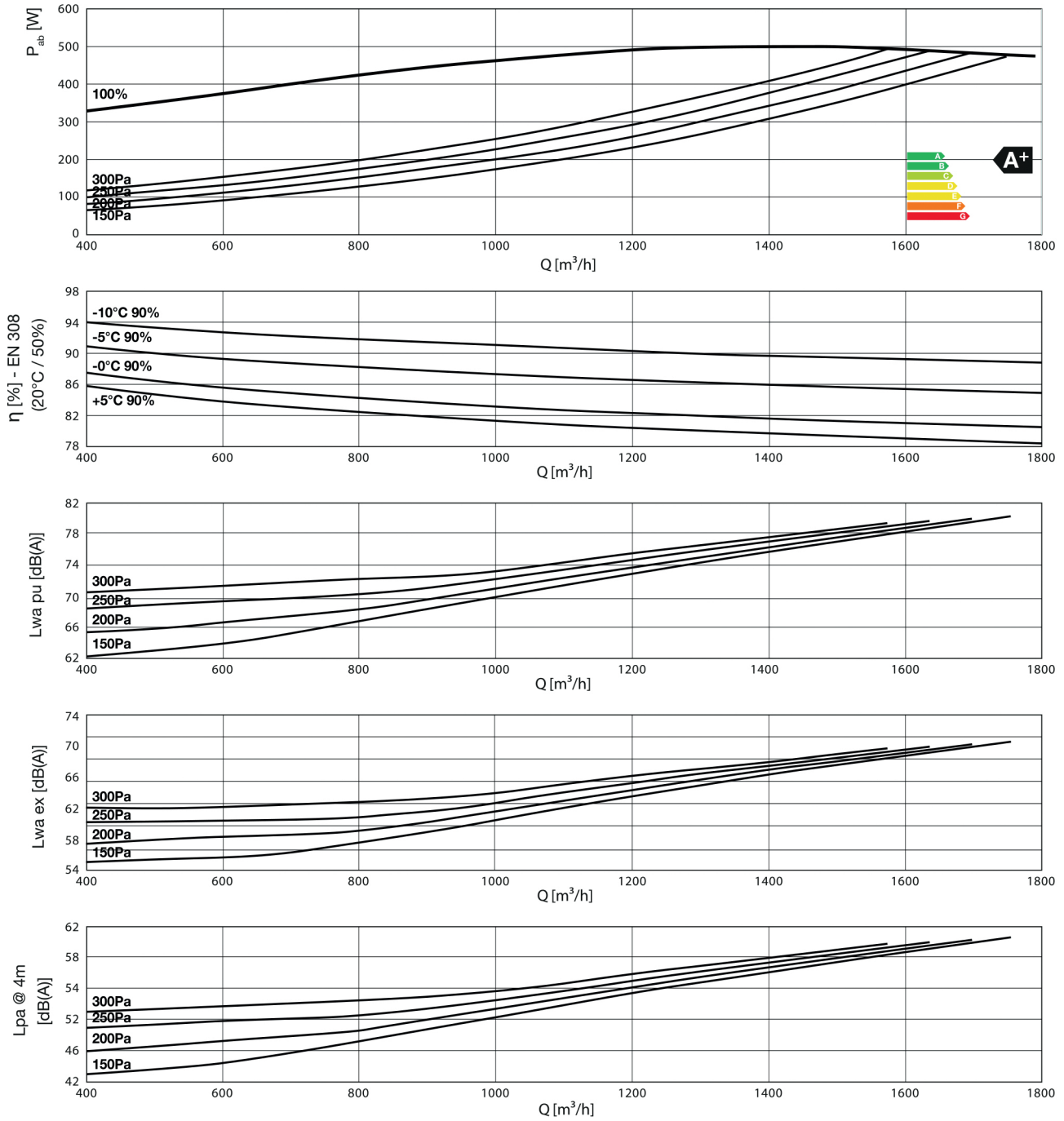




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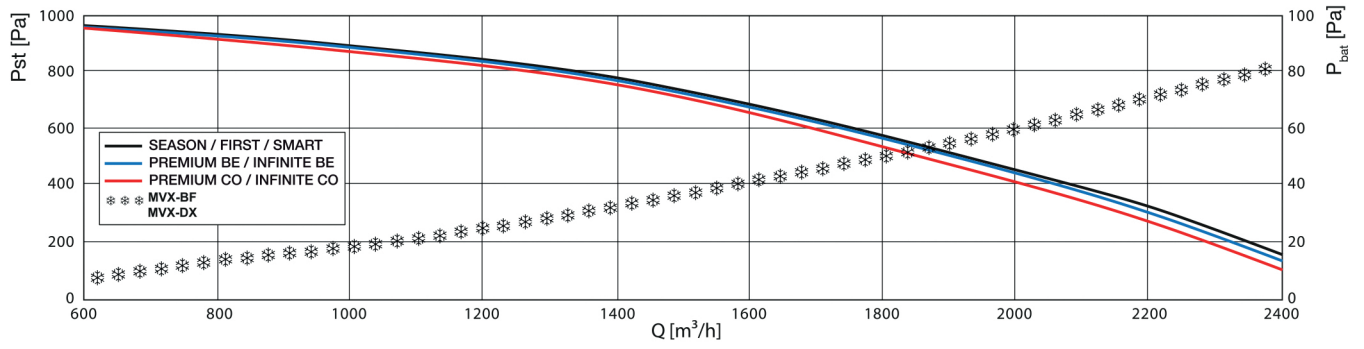
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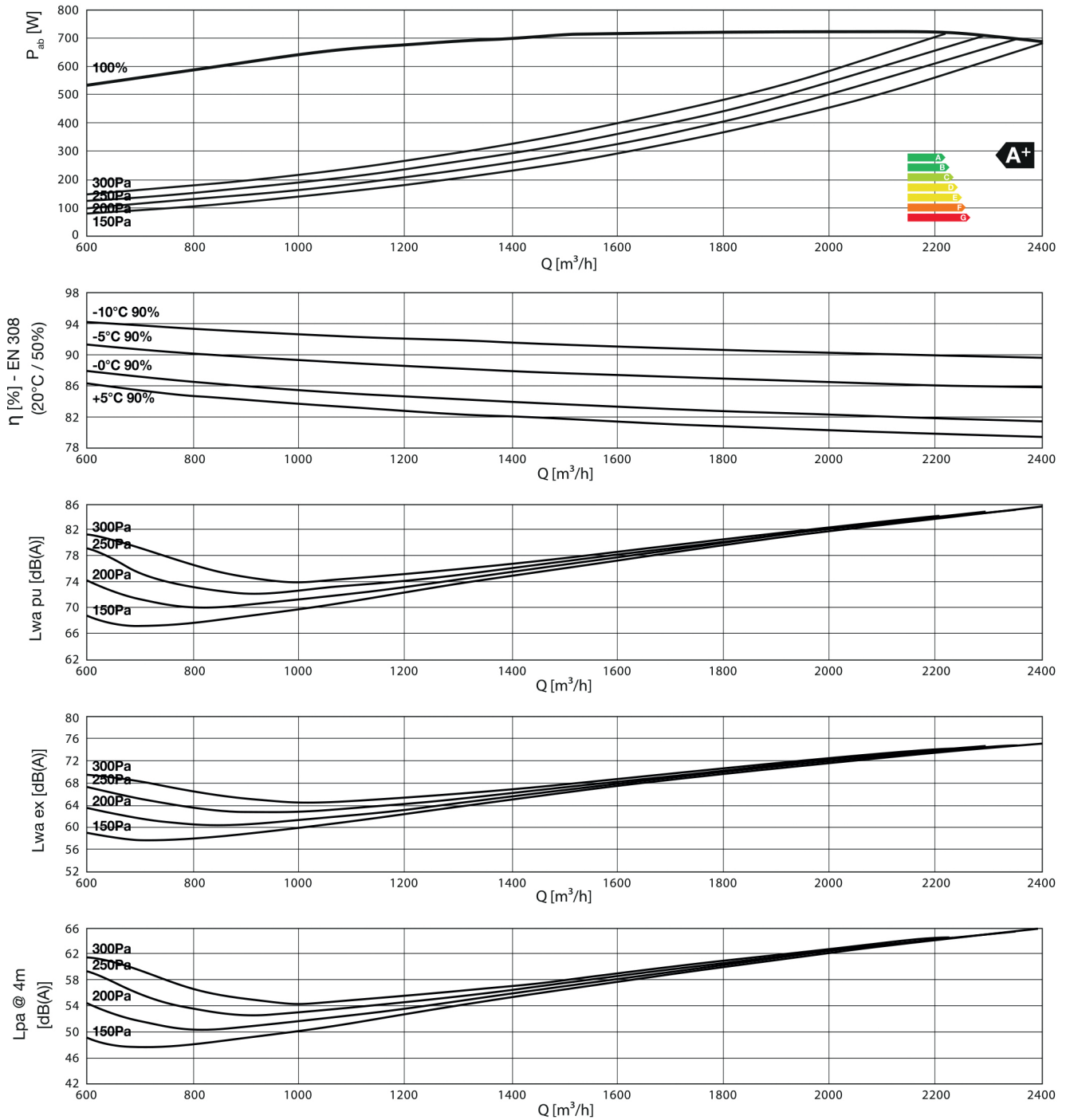




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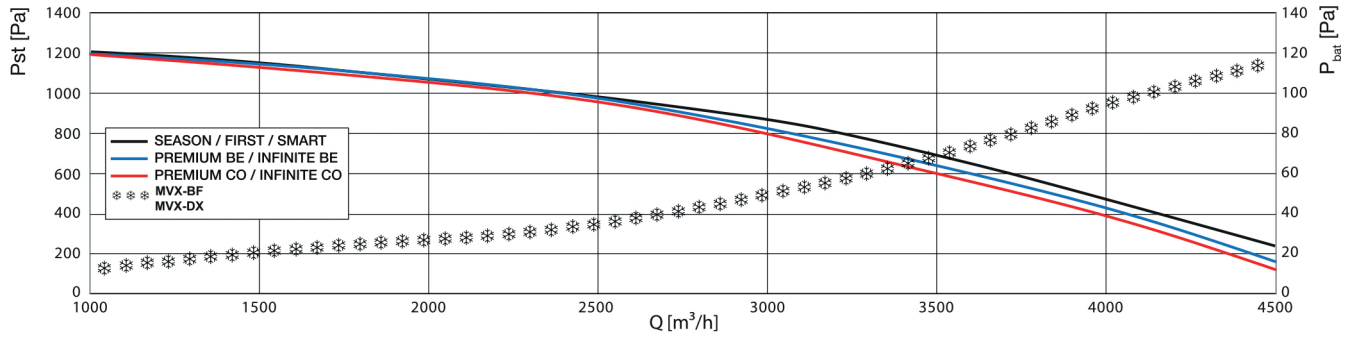
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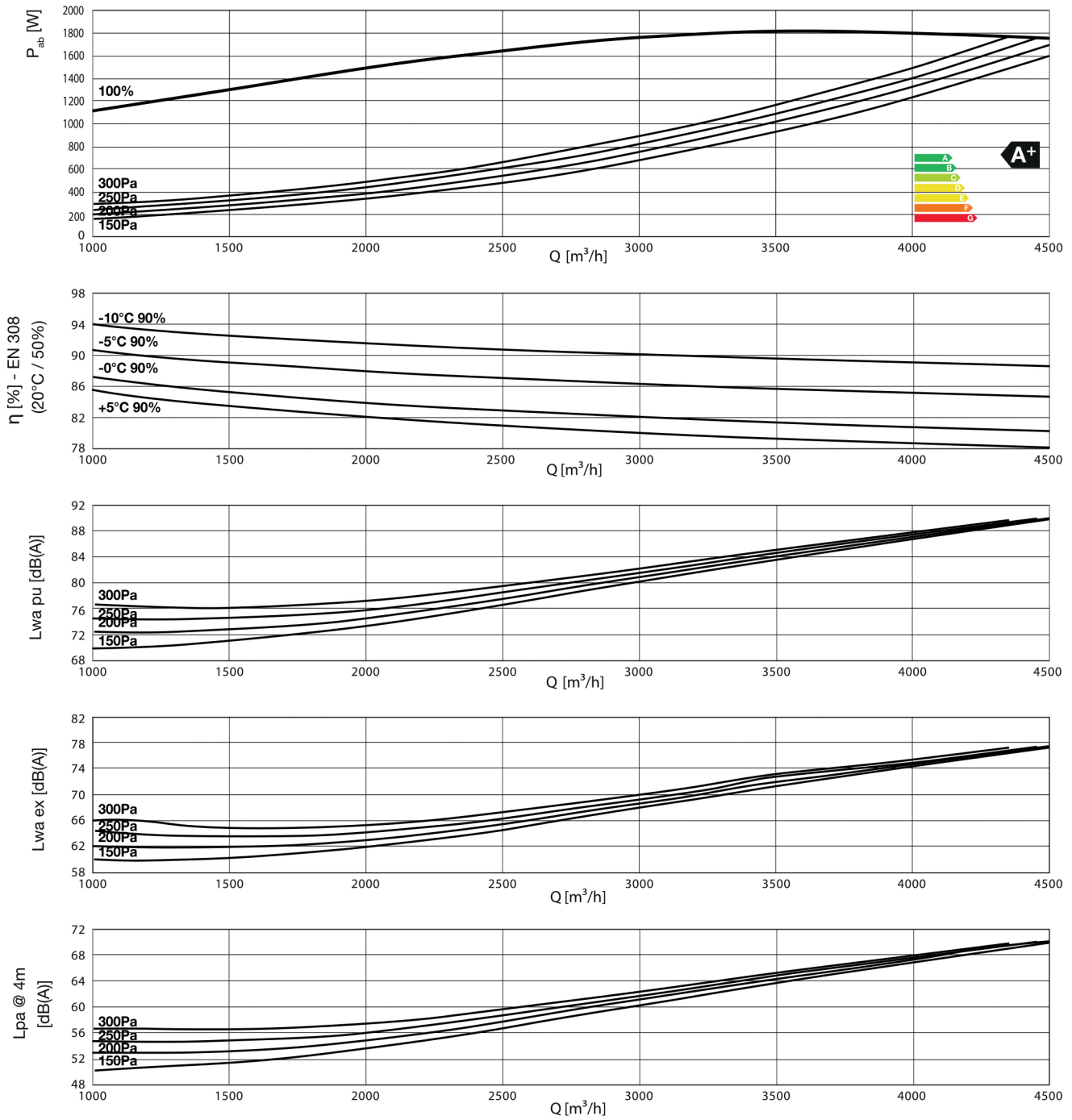




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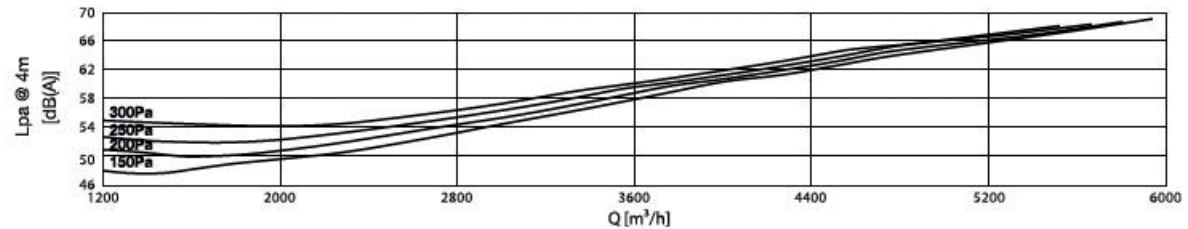
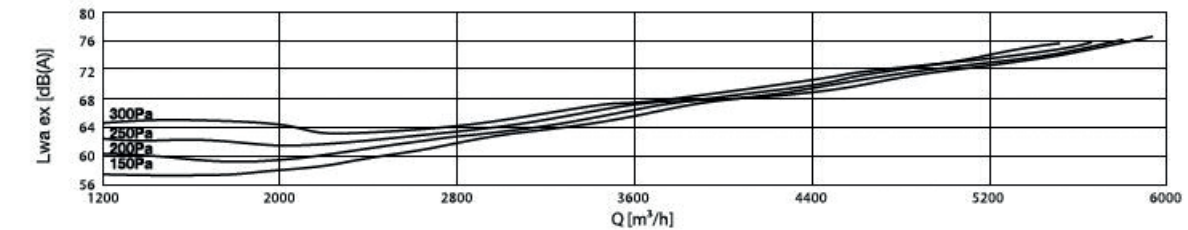
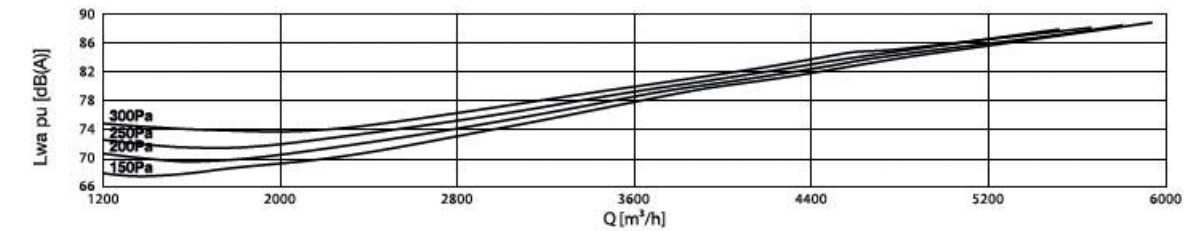
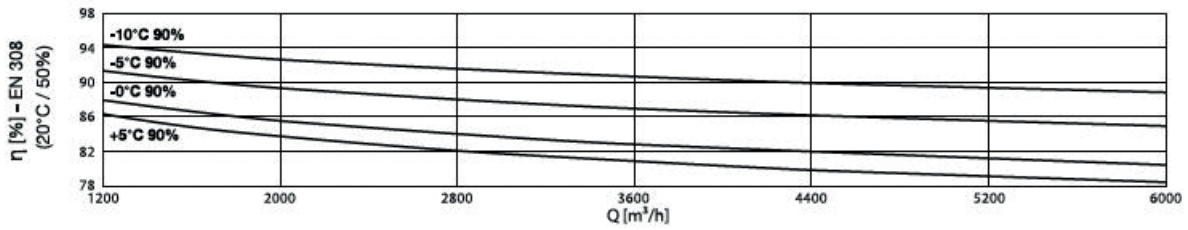
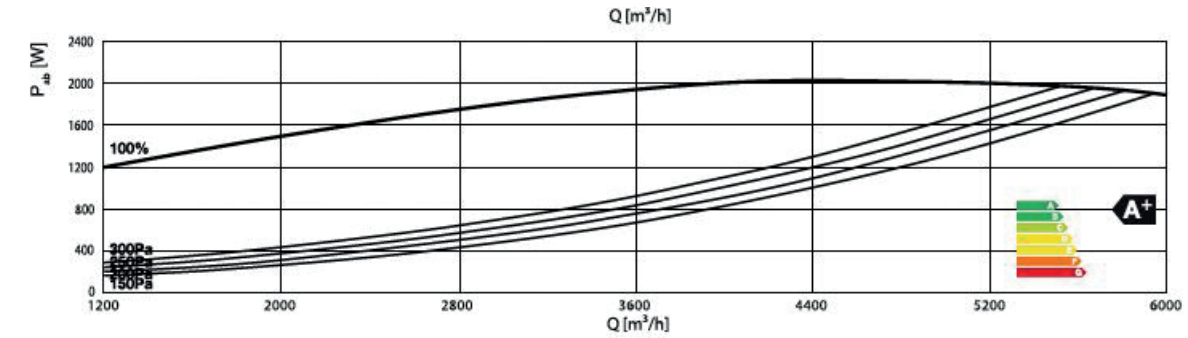
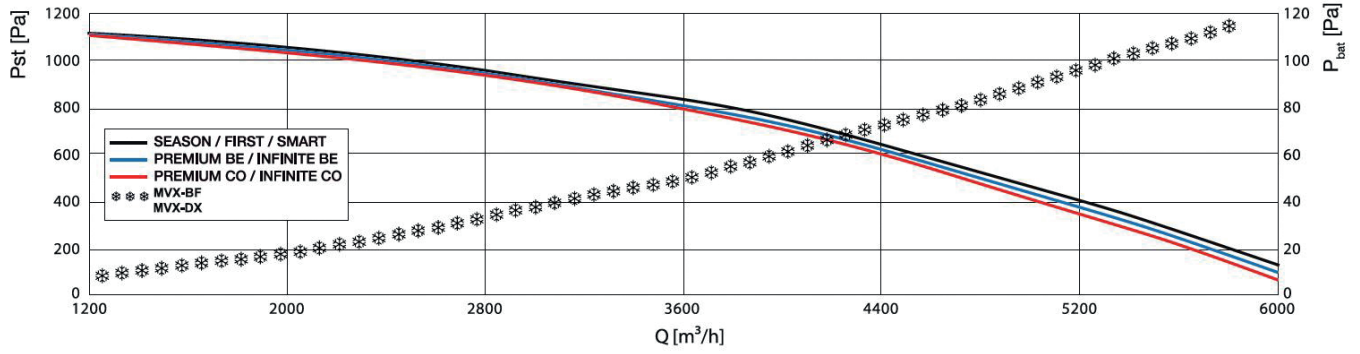
GTDHR(V) 9035





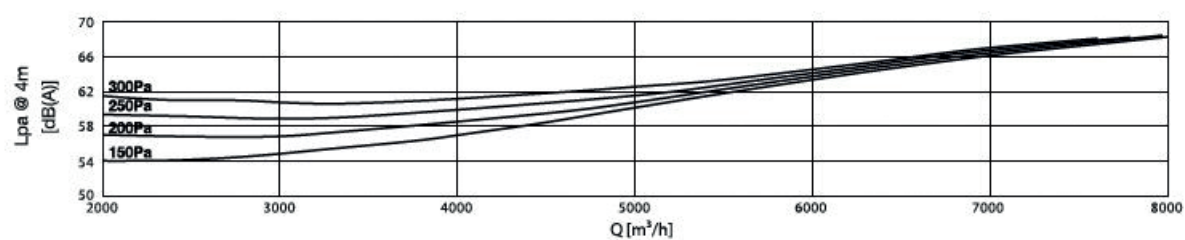
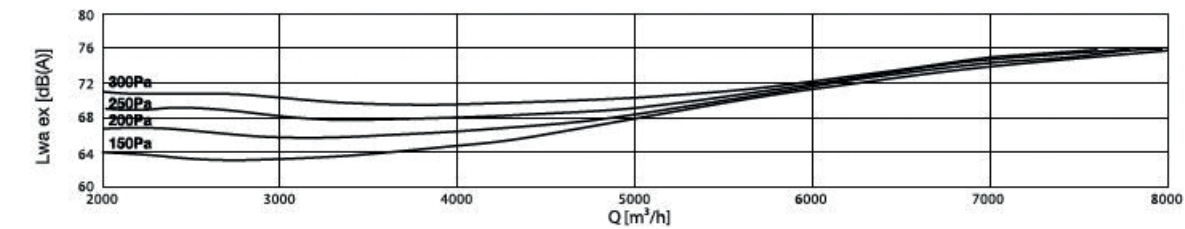
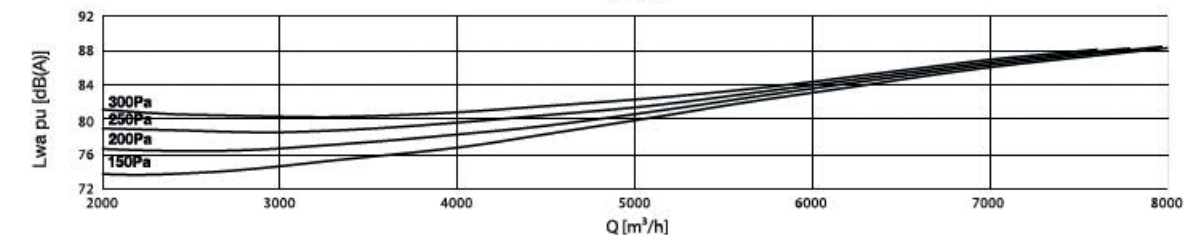
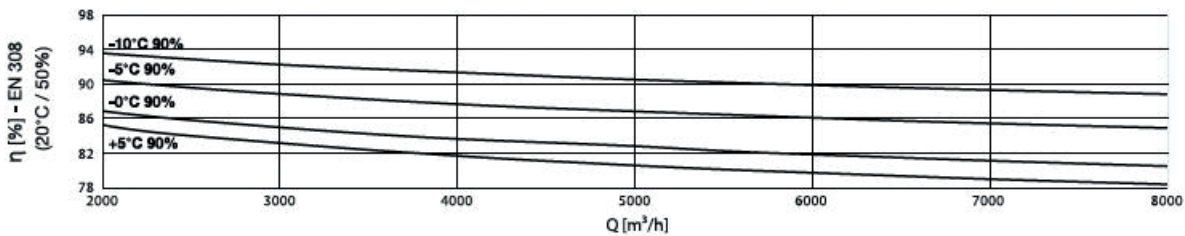
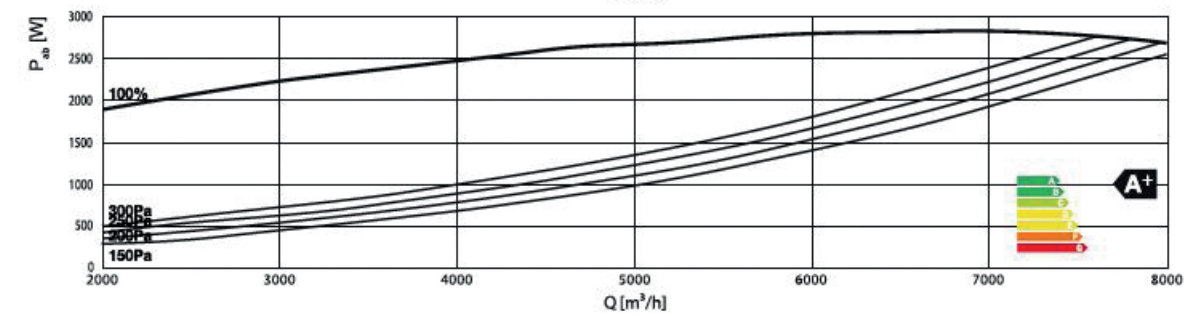
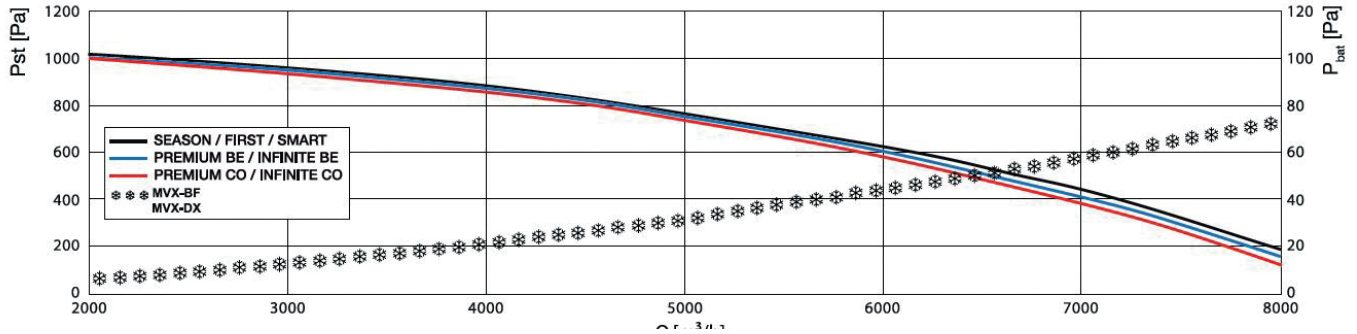
Selection curves

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											
		Q_{max} [m³/h] @ 150 Pa	U [V]	P_F [W]	P_{EPH} [kW]	P_{EPoH} [kW]	I_{max} [A]	t_m [°C]	t_o [°C]	IP	L_{pa} @ 4m [dB(A)]
GTDHRV Infinite BC 9008		820*	1 x 230	2 x 220	2.50	-	14.30	60	-20	IP44	37
GTDHRV Infinite BC 9010		1320*	1 x 230	2 x 485	3.75	-	22.50	60	-20	IP54	40
GTDHRV Infinite BC 9016		1660*	3 x 400	2 x 900	5.25	-	15.40	40	-20	IP54	42
GTDHRV Infinite BC 9023		2330*	3 x 400	2 x 900	6.75	-	17.50	40	-20	IP54	47
GTDHRV Infinite BC 9035		4430*	3 x 400	2 x 2500	8.25	-	19.90	40	-20	IP54	51
GTDHRV Infinite BC 9048		5730*	3 x 400	2 x 2500	18	-	34	40	-20	IP54	50
GTDHRV Infinite BC 9070		7860*	3 x 400	2 x 2730	24.75	-	44.10	40	-20	IP54	50
GTDHRV Infinite BE 9008	025	850*	1 x 230	2 x 220	2.50	2.50	25.20	60	-20	IP44	38
GTDHRV Infinite BE 9010	025	1390*	1 x 230	2 x 485	3.75	2.50	33.40	60	-20	IP54	41
GTDHRV Infinite BE 9016	052	1710*	3 x 400	2 x 900	5.25	5.25	23	40	-20	IP54	42
GTDHRV Infinite BE 9023	067	2350*	3 x 400	2 x 900	6.75	6.75	27.20	40	-20	IP54	47
GTDHRV Infinite BE 9035	067	4500*	3 x 400	2 x 2500	8.25	6.75	29.60	40	-20	IP54	52
	137				8.25	13.50	39.40				
GTDHRV Infinite BE 9048	067	5890*	3 x 400	2 x 2500	18	6.75	43.70	40	-20	IP54	51
	137				18	13.50	53.50				
GTDHRV Infinite BE 9070	105	8000*	3 x 400	2 x 2730	24.75	10.50	59.30	40	-20	IP54	51
	157				24.75	15.75	66.90				

*Fancurve is adjustable by means of the integrated regulation.

- P_F = Fan power
- P_{EPH} = Power electrical pre-heater
- P_{EPoH} = Power electrical post-heater
- t_m = maximum air temperature
- t_o = minimum operating temperature
- L_{pa} @ 4m = Sound pressure level at 4 m

Technical data water coil										
	T_{wr} [°C/°C]	$T_{a,i}$ [°C]	*	$Q_{v,a}$ [m³/h]						
				300	400	500	600	700	800	
GTDHR 9008 IBC	80/60	11	P [kW] / $T_{a,o}$ [°C]	4.5 / 54	5.5 / 50.9	6.4 / 48.2	7.1 / 45	7.9 / 44	8.6 / 42	
			$Q_{v,w}$ [l/h] / dp,w [kPa]	200 / 3	240 / 4	280 / 6	320 / 7	350 / 8	380 / 10	
		15	P [kW] / $T_{a,o}$ [°C]	4.1 / 55	5 / 52	6 / 49	6.6 / 47.2	7.3 / 46	7.9 / 44	
			$Q_{v,w}$ [l/h] / dp,w [kPa]	100 / 2	220 / 3	260 / 5	290 / 6	320 / 7	350 / 8	
	90/70	11	P [kW] / $T_{a,o}$ [°C]	5.3 / 62	6.5 / 58	7.5 / 55	8.5 / 52	9.4 / 50	10.2 / 48	
			$Q_{v,w}$ [l/h] / dp,w [kPa]	240 / 4	290 / 6	340 / 8	380 / 10	420 / 12	450 / 12	
		15	P [kW] / $T_{a,o}$ [°C]	4.9 / 63.9	6.1 / 59	7.05 / 56	7.9 / 54	8.7 / 52	9.5 / 50.4	
			$Q_{v,w}$ [l/h] / dp,w [kPa]	220 / 3	270 / 5	310 / 6	350 / 8	390 / 10	420 / 11	
	45/40	11	P [kW] / $T_{a,o}$ [°C]	2.4 / 34	3 / 32.7	3.5 / 31	3.9 / 30.1	4.3 / 29	4.7 / 28	
			$Q_{v,w}$ [l/h] / dp,w [kPa]	430 / 13	520 / 19	610 / 24	680 / 30	760 / 37	820 / 43	
		15	P [kW] / $T_{a,o}$ [°C]	2.1 / 35.6	2.5 / 34	3 / 32	3.3 / 31.8	3.7 / 30.9	4 / 30.1	
			$Q_{v,w}$ [l/h] / dp,w [kPa]	370 / 10	450 / 14	520 / 18	590 / 23	650 / 27	710 / 32	
60/50	11	P [kW] / $T_{a,o}$ [°C]	3.4 / 43.7	4.2 / 41	4.8 / 39	5.4 / 37.5	6 / 36	6.5 / 34.9		
		$Q_{v,w}$ [l/h] / dp,w [kPa]	300 / 6	360 / 9	420 / 12	480 / 15	530 / 18	570 / 20		
	15	P [kW] / $T_{a,o}$ [°C]	3 / 44	3.7 / 42	4.3 / 40	4.9 / 39.3	5.4 / 37	5.8 / 36.8		
		$Q_{v,w}$ [l/h] / dp,w [kPa]	270 / 5	330 / 8	380 / 10	430 / 12	470 / 14	510 / 17		
GTDHR 9010 IBC	80/60	11	P [kW] / $T_{a,o}$ [°C]	5.5 / 50.9	6.4 / 48.2	7.1 / 45	7.9 / 44	8.6 / 42	9.2 / 40.9	
			$Q_{v,w}$ [l/h] / dp,w [kPa]	240 / 4	280 / 6	320 / 7	350 / 8	380 / 10	410 / 11	
		15	P [kW] / $T_{a,o}$ [°C]	19115	18050	6.6 / 47.2	7.3 / 46	7.9 / 44	8.5 / 43	
			$Q_{v,w}$ [l/h] / dp,w [kPa]	220 / 3	260 / 5	290 / 6	320 / 7	350 / 8	370 / 9	
	90/70	11	P [kW] / $T_{a,o}$ [°C]	6.5 / 58	7.5 / 55	8.5 / 52	9.4 / 50	10.2 / 48	11 / 46.8	
			$Q_{v,w}$ [l/h] / dp,w [kPa]	290 / 6	340 / 8	380 / 10	420 / 12	450 / 12	490 / 15	
		15	P [kW] / $T_{a,o}$ [°C]	6.1 / 59	7.05 / 56	7.9 / 54	8.7 / 52	9.5 / 50.4	10.3 / 48.8	
			$Q_{v,w}$ [l/h] / dp,w [kPa]	270 / 5	310 / 6	350 / 8	390 / 10	420 / 11	450 / 13	
	45/40	11	P [kW] / $T_{a,o}$ [°C]	3 / 32.7	3.5 / 31	3.9 / 30.1	4.3 / 29	4.7 / 28	5.1 / 27.5	
			$Q_{v,w}$ [l/h] / dp,w [kPa]	520 / 19	610 / 24	680 / 30	760 / 37	820 / 43	890 / 51	
		15	P [kW] / $T_{a,o}$ [°C]	2.5 / 34	3 / 32	3.3 / 31.8	3.7 / 30.9	4 / 30.1	4.4 / 29.5	
			$Q_{v,w}$ [l/h] / dp,w [kPa]	450 / 14	520 / 18	590 / 23	650 / 27	710 / 32	760 / 38	
60/50	11	P [kW] / $T_{a,o}$ [°C]	4.2 / 41	4.8 / 39	5.4 / 37.5	6 / 36	6.5 / 34.9	7 / 33		
		$Q_{v,w}$ [l/h] / dp,w [kPa]	360 / 9	420 / 12	480 / 15	530 / 18	570 / 20	620 / 24		
	15	P [kW] / $T_{a,o}$ [°C]	3.7 / 42	4.3 / 40	4.9 / 39.3	5.4 / 37	5.8 / 36.8	6.4 / 35.9		
		$Q_{v,w}$ [l/h] / dp,w [kPa]	330 / 8	380 / 10	430 / 12	470 / 14	510 / 17	550 / 20		

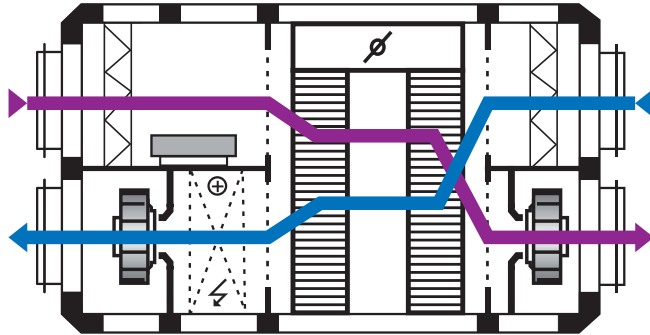
				600	800	1000	1200	1400	1500
GTDHR 9016 IBC	80/60	11	P [kW]/ Ta,o [°C]	8.8 / 54.2	10.8 / 50.5	12.6 / 47.7	14.1 / 45.4	15.6 / 43.5	16.3 / 42.7
			Qv,w [l/h] / dp,w [kPa]	390 / 5	480 / 7	550 / 9	620 / 11	690 / 13	720 / 15
	15	P [kW]/ Ta,o [°C]	8.1 / 55.5	10 / 52	11.6 / 49.4	13 / 47.2	14.3 / 45.4	15 / 44.7	
		Qv,w [l/h] / dp,w [kPa]	360 / 4	440 / 6	510 / 8	570 / 10	630 / 11	660 / 13	
	90/70	11	P [kW]/ Ta,o [°C]	10.5 / 62.1	13 / 57.8	14.9 / 54.4	16.7 / 51.7	18.5 / 49.5	19.3 / 48.6
			Qv,w [l/h] / dp,w [kPa]	460 / 6	570 / 9	660 / 12	740 / 15	820 / 18	850 / 20
	15	P [kW]/ Ta,o [°C]	9.8 / 63.4	12 / 59	13.9 / 56.2	15.6 / 53.7	17.2 / 51.5	18 / 50.7	
		Qv,w [l/h] / dp,w [kPa]	430 / 6	530 / 8	610 / 10	690 / 13	760 / 16	800 / 18	
	45/40	11	P [kW]/ Ta,o [°C]	4.8 / 34.2	5.8 / 32.4	6.8 / 30.9	7.7 / 29.7	8.5 / 28.7	8.91 / 28.3
			Qv,w [l/h] / dp,w [kPa]	830 / 20	1020 / 30	1190 / 40	1340 / 49.1	1480 / 60	1550 / 68
	15	P [kW]/ Ta,o [°C]	4.1 / 35.4	5 / 33.8	5.88 / 32.5	6.6 / 31.4	7.3 / 30.6	7.6 / 30.2	
		Qv,w [l/h] / dp,w [kPa]	720 / 15	880 / 22	1020 / 30	1160 / 37.3	1280 / 45	1330 / 51	
60/50	11	P [kW]/ Ta,o [°C]	6.6 / 43.4	8.1 / 40.8	9.4 / 38.7	10.7 / 37	11.8 / 35.6	12.3 / 35	
		Qv,w [l/h] / dp,w [kPa]	580 / 10	710 / 14	830 / 20	940 / 24	1030 / 30	1080 / 33	
15	P [kW]/ Ta,o [°C]	5.9 / 44.6	7.3 / 42.2	8.5 / 40.3	9.6 / 38.8	10.6 / 37.5	11.1 / 36.9		
	Qv,w [l/h] / dp,w [kPa]	520 / 8	640 / 12	750 / 16	840 / 20	930 / 25	970 / 27		
				1000	1250	1500	1750	2000	2250
GTDHR 9023 IBC	80/60	11	P [kW]/ Ta,o [°C]	14.5 / 53.4	16.9 / 50.6	19 / 48.2	21.2 / 46.3	23 / 44.6	24.8 / 43.1
			Qv,w [l/h] / dp,w [kPa]	640 / 5	740 / 6	840 / 7	930 / 9	1010 / 10	1090 / 12
	15	P [kW]/ Ta,o [°C]	13.4 / 54.7	15.6 / 52.1	17.6 / 49.9	19.5 / 48.1	21.2 / 46.5	22.8 / 45.2	
		Qv,w [l/h] / dp,w [kPa]	590 / 4	690 / 5	770 / 6	860 / 8	930 / 9	1000 / 10	
	90/70	11	P [kW]/ Ta,o [°C]	17.2 / 61.1	20.1 / 57.8	22.7 / 55.1	25.1 / 52.9	27.3 / 50.9	29.4 / 49.2
			Qv,w [l/h] / dp,w [kPa]	760 / 6	890 / 8	1000 / 10	1110 / 12	1210 / 14	1300 / 16
	15	P [kW]/ Ta,o [°C]	16 / 62.5	18.7 / 59.5	21.2 / 56.9	23.4 / 54.7	25.5 / 52.9	27.5 / 51.3	
		Qv,w [l/h] / dp,w [kPa]	710 / 5	830 / 7	940 / 9	1030 / 10	1130 / 13	1210 / 14	
	45/40	11	P [kW]/ Ta,o [°C]	7.83 / 33.8	9.2 / 32.4	10.4 / 31.2	11.5 / 30.2	12.6 / 29.4	13.6 / 28.6
			Qv,w [l/h] / dp,w [kPa]	1360 / 19	1600 / 26	1810 / 32	2000 / 38	2190 / 46	2370 / 54
	15	P [kW]/ Ta,o [°C]	6.75 / 35	7.9 / 33.8	8.97 / 32.8	10 / 31.9	10.8 / 31.1	11.7 / 30.4	
		Qv,w [l/h] / dp,w [kPa]	1180 / 14	1380 / 20	1560 / 24	1730 / 30	1880 / 35	2040 / 41	
60/50	11	P [kW]/ Ta,o [°C]	10.9 / 42.9	12.8 / 40.8	14.4 / 39.1	16 / 37.7	17.4 / 36.5	18.8 / 35.4	
		Qv,w [l/h] / dp,w [kPa]	950 / 10	1120 / 13	1260 / 16	1400 / 19	1520 / 22	1650 / 26	
15	P [kW]/ Ta,o [°C]	9.8 / 44.1	11.5 / 42.2	13 / 40.7	14.4 / 39.4	15.7 / 38.3	16.9 / 37.3		
	Qv,w [l/h] / dp,w [kPa]	860 / 8	1010 / 10	1140 / 13	1260 / 16	1370 / 19	1480 / 22		
				1500	1900	2300	2700	3100	3500
GTDHR 9035 IBC	80/60	11	P [kW]/ Ta,o [°C]	21.3 / 52.5	25 / 49.5	28.4 / 47.1	31.5 / 45.1	34.4 / 43.4	37 / 41.9
			Qv,w [l/h] / dp,w [kPa]	940 / 4	1100 / 5	1250 / 6	1390 / 7	1510 / 8	1630 / 9
	15	P [kW]/ Ta,o [°C]	19.6 / 53.8	23.1 / 51.1	26.2 / 48.8	29 / 46.9	31.6 / 45.3	34.1 / 43.9	
		Qv,w [l/h] / dp,w [kPa]	860 / 3	1020 / 4	1150 / 5	1280 / 6	1390 / 7	1500 / 8	
	90/70	11	P [kW]/ Ta,o [°C]	25.3 / 60.2	29.7 / 56.7	33.8 / 53.9	37.5 / 51.5	40.9 / 49.5	44.1 / 47.8
			Qv,w [l/h] / dp,w [kPa]	1120 / 4	1310 / 6	1490 / 8	1660 / 9	1810 / 11	1950 / 13
	15	P [kW]/ Ta,o [°C]	23.5 / 61.6	27.7 / 58.3	31.5 / 55.6	34.9 / 53.4	38.1 / 51.5	41.1 / 49.9	
		Qv,w [l/h] / dp,w [kPa]	1040 / 4	1220 / 5	1390 / 7	1540 / 8	1680 / 10	1820 / 11	
	45/40	11	P [kW]/ Ta,o [°C]	11.5 / 33.5	13.6 / 32	15.5 / 30.7	17.3 / 29.7	18.9 / 28.8	20.4 / 28
			Qv,w [l/h] / dp,w [kPa]	2000 / 14	2370 / 20	2700 / 25	3010 / 30	3290 / 36	3550 / 41
	15	P [kW]/ Ta,o [°C]	10 / 34.7	11.7 / 33.4	13.4 / 32.3	14.9 / 31.3	16.3 / 30.6	17.6 / 29.9	
		Qv,w [l/h] / dp,w [kPa]	1730 / 11	2040 / 15	2330 / 19	2600 / 23	2840 / 27	3070 / 32	
60/50	11	P [kW]/ Ta,o [°C]	16 / 42.3	18.9 / 40.1	21.5 / 38.3	23.9 / 36.9	26.1 / 35.6	28.2 / 34.5	
		Qv,w [l/h] / dp,w [kPa]	1410 / 7	1650 / 9.4	1880 / 12	2090 / 15	2280 / 18	2470 / 20	
15	P [kW]/ Ta,o [°C]	14.4 / 43.6	17 / 41.6	19.3 / 40	21.5 / 38.6	23.5 / 37.5	25.3 / 36.5		
	Qv,w [l/h] / dp,w [kPa]	1260 / 6	1490 / 8	1690 / 10	1880 / 12	2060 / 15	2210 / 17		
				2200	2700	3200	3700	4200	4700
GTDHR 9048 IBC	80/60	11	P [kW]/ Ta,o [°C]	31.9 / 53.4	36.8 / 50.8	41.3 / 48.7	45.8 / 46.8	49.3 / 45.3	53 / 43.9
			Qv,w [l/h] / dp,w [kPa]	1400 / 3	1620 / 3	1820 / 4	2000 / 4	2170 / 5	2330 / 6
	15	P [kW]/ Ta,o [°C]	29.4 / 54.7	33.9 / 52.3	38 / 50.3	41.8 / 48.5	45.4 / 47.1	48.7 / 45.8	
		Qv,w [l/h] / dp,w [kPa]	1290 / 2	1490 / 3	1670 / 3	1840 / 4	2000 / 4	2140 / 5	
	90/70	11	P [kW]/ Ta,o [°C]	37.9 / 61.3	43.7 / 58.3	49.1 / 55.8	54.1 / 53.7	58.7 / 51.8	63.1 / 50.2
			Qv,w [l/h] / dp,w [kPa]	1670 / 3	1930 / 4	2170 / 5	2390 / 6	2590 / 7	2790 / 8
	15	P [kW]/ Ta,o [°C]	35.3 / 62.7	40.8 / 59.8	45.8 / 57.5	50.4 / 55.4	54.7 / 53.7	58.8 / 52.2	
		Qv,w [l/h] / dp,w [kPa]	1560 / 3	1800 / 4	2020 / 4	2230 / 5	2420 / 6	2600 / 7	
	45/40	11	P [kW]/ Ta,o [°C]	17.3 / 34	20.1 / 32.7	22.6 / 31.6	24.9 / 30.6	27.1 / 29.8	29.1 / 29.1
			Qv,w [l/h] / dp,w [kPa]	3010 / 10	3500 / 12	3940 / 15	4340 / 18	4720 / 22	5070 / 24
	15	P [kW]/ Ta,o [°C]	14.9 / 35.1	17.3 / 34	19.4 / 33	21.4 / 32.2	23.3 / 31.5	25.1 / 30.8	
		Qv,w [l/h] / dp,w [kPa]	2600 / 7	3010 / 10	3380 / 11	3730 / 14	4060 / 16	4370 / 19	
60/50	11	P [kW]/ Ta,o [°C]	24 / 43	27.9 / 41.1	31.3 / 39.5	34.5 / 38.2	37.1 / 29.8	39.1 / 29.1	
		Qv,w [l/h] / dp,w [kPa]	2110 / 5	2440 / 6	2740 / 8	3020 / 9	3290 / 11	3570 / 13	
15	P [kW]/ Ta,o [°C]	21.6 / 44.2	25 / 42.5	28.1 / 41.1	30.9 / 39.8	33.6 / 38.8	36.3 / 36.3		
	Qv,w [l/h] / dp,w [kPa]	1890 / 4	2190 / 5	2460 / 6	2700 / 8	2940 / 9	3180 / 12		
				3000	3800	4600	5400	6200	7000
GTDHR 9070 IBC	80/60	11	P [kW]/ Ta,o [°C]	39.2 / 49.1	45.1 / 45.7	50.3 / 42.9	55 / 40.7	59.2 / 38.9	63.1 / 37.3
			Qv,w [l/h] / dp,w [kPa]	1720 / 11	1980 / 14	2210 / 17	2420 / 20	2600 / 22	2780 / 26
	15	P [kW]/ Ta,o [°C]	36.1 / 50.8	41.6 / 47.5	46.4 / 45	50.7 / 42.9	54.6 / 41.2	58.2 / 39.7	
		Qv,w [l/h] / dp,w [kPa]	1590 / 9	1830 / 12	2040 / 15	2230 / 17	2400 / 20	2560 / 22	
	90/70	11	P [kW]/ Ta,o [°C]	46.2 / 56	53.4 / 52	59.6 / 48.8	65.2 / 46.2	70.2 / 44.1	74.8 / 42.2
			Qv,w [l/h] / dp,w [kPa]	2040 / 14	2360 / 19	2630 / 22	2880 / 27	3100 / 31	3300 / 35
	15	P [kW]/ Ta,o [°C]	43.1 / 57.7	49.8 / 53.9	55.6 / 50.9	60.8 / 48.5	65.5 / 46.4	69.9 / 44.6	
		Qv,w [l/h] / dp,w [kPa]	1900 / 12	2200 / 17	2460 / 20	2690 / 24	2890 / 27	3090 / 31	
	45/40	11	P [kW]/ Ta,o [°C]	21.2 / 31.6	24.5 / 29.8	27.4 / 28.4	30 / 27.2	32.4 / 26.3	34.6 / 25.4
			Qv,w [l/h] / dp,w [kPa]	3690 / 46	4270 / 61	4770 / 75	5230 / 90	5640 / 103	6030 / 118
	15	P [kW]/ Ta,o [°C]	18.3 / 33.1	21.1 / 31.5	23.7 / 30.3	25.9 / 29.3	28 / 28.4	29.9 / 27.7	
		Qv,w [l/h] / dp,w [kPa]	3190 / 35	3680 / 47	4130 / 57.4	4510 / 68	4880 / 78	5210 / 89	
60/50	11	P [kW]/ Ta,o [°C]	29.4 / 39.7	34 / 37.1	30.6 / 38.9	41.6 / 33.5	44.9 / 32.1	47.9 / 31	
		Qv,w [l/h] / dp,w [kPa]	2570 / 23	2980 / 30	2680 / 24	3640 / 44	3930 / 51	4190 / 57	
15	P [kW]/ Ta,o [°C]	26.5 / 41.2	30.6 / 38.9	34.2 / 37.1	37.4 / 35.6	40.4 / 34.3	43.1 / 33.3		
	Qv,w [l/h] / dp,w [kPa]	2320 / 19	2680 / 25	2990 / 31	3270 / 36	3540 / 42	3770 / 47		

- Twr = Temperature water regime
- Ta,i = Temperature air before the coil
- *P = Power of the coil
- *Ta, o= Temperature after the coil
- *Qv,w = Water flow
- *dp,w = Water pressure loss

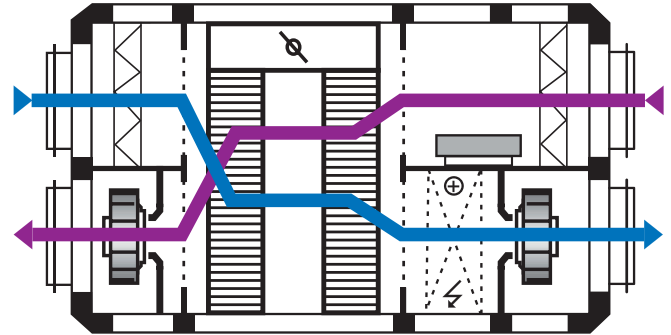
Vertical configurations - superposed flow - view from access panel side

GTDHRV 9008 - 9048

W

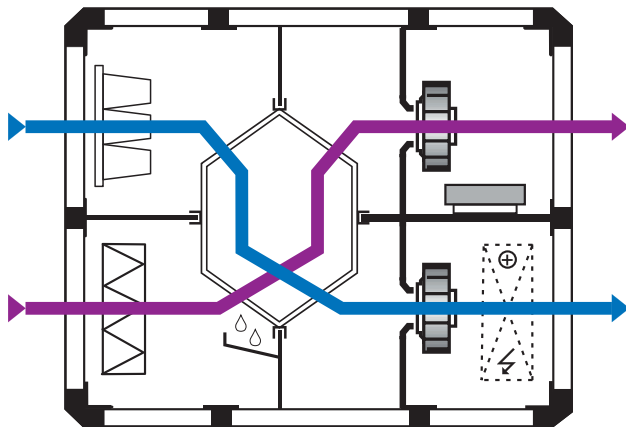


Y

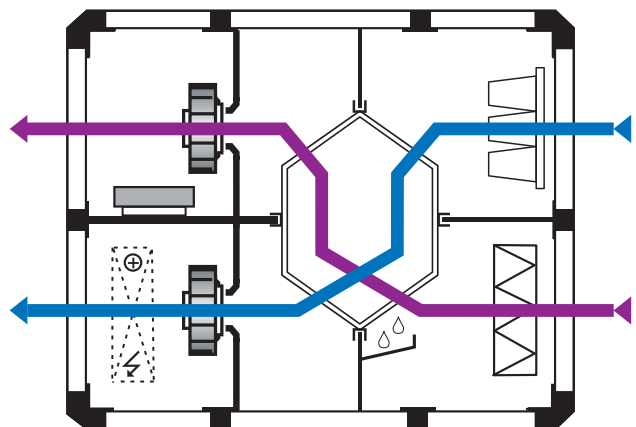


GTDHRV 9070

D



G

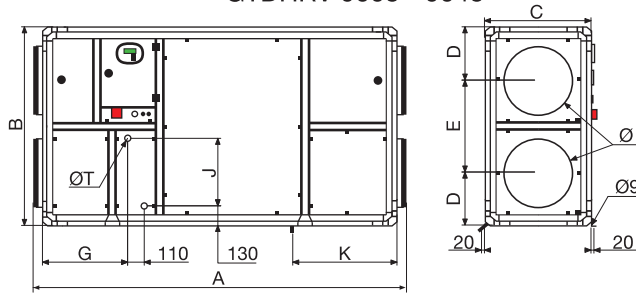


Blue arrow: Fresh air
Purple arrow: Return air

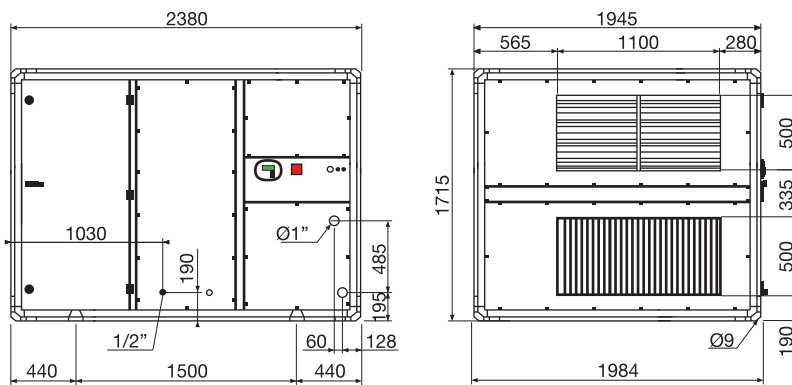
Configuration W (9008-9048) and D (9070) = standard (other configurations available on demand)

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 Infinite 9008	315	1915	915	505	255	405	1097	362	456	465	245	540	220
GTDHRV Infinite 9010	315	1915	915	505	255	405	1097	362	456	465	245	540	220
GTDHRV Infinite 9016	400	2230	1115	605	305	505	1261	362	607	565	345	690	318
GTDHRV Infinite 9023	450	2345	1315	705	355	605	1376	362	607	565	445	690	412
GTDHRV Infinite 9035	500	2625	1515	805	405	705	1520	450	655	640	545	740	564
GTDHRV Infinite 9048*	630	2970	1715	1030	455	805	1677	535	758	685	645	840	732
GTDHRV Infinite 9070*													975