

HEAT PUMP

ACOND XL

Heat pump with an output of 40 kW or two/three modules connected from the factory into a functional unit with an output of 80 kW or 120 kW.

- ▶ With the possibility of individual design of the front cover/lamellas
- ▶ Built-in circulation pump, degasser, flow meter

A+++

Weight max. 500 kg

R290

Approximate dimensions 1.7 × 1.7 × 0.8



TECHNICAL, PERFORMANCE AND ENERGY PARAMETERS

Model	XL
Maximum heating capacity (A7/W35)	42.5 kW
Maximum cooling capacity (A35/W18)	36 kW
Cascades up to	> 1 MW

- ▶ As quiet as Grandis-R/PRO – R, the quietest heat pump on the market, according to EN12102.
- ▶ No internal equipment is needed, i.e. external equipment can be controlled directly via a higher-level control system.
- ▶ To simplify installation, we are considering developing a complete technical solution that includes an electric boiler and electrical installation in a container directly from our factory.

HEAT PUMP ACOND XL



Model	XL
Compressor type	Scroll
Input voltage code; fuse	3~N/PE/400V/50Hz; B32A
Maximum outdoor unit current [A]	32
Starting current [A]	< 5
Rated power input [kW]	5
Prated [kW]	36
Outdoor unit protection class	IP24
Refrigerant	R290
Refrigerant weight [kg]	4.4
Air temperature limits [°C]	-25 to 38
Water temperature limits [°C]	20 to 75
Water flow rate [m³/h]	1.2 to 7.2
SCOP W35	5.5
SCOP W55	4.15
Energy efficiency class - heating 35°C	A+++
Energy efficiency class - heating 55°C	A+++
Cooling	YES

PERFORMANCE PARAMETERS DEPENDING ON THE OUTDOOR TEMPERATURE AND HEATING WATER TEMPERATURE¹

XL									
W35	Outdoor temperature [°C]				W55	Outdoor temperature [°C]			
	-15	-7	2	7		-15	-7	2	7
Maximum heating capacity [kW]	26.2	32.8	40.5	42.5	Maximum heating capacity [kW]	26	31.8	39	42
COP (max)	3.16	4.05	4.96	5.6	COP (max)	2.02	2.51	3.11	3.45
COP (min)	2.46	3.02	3.55	4.00	COP (min)	1.79	2.16	2.58	2.83

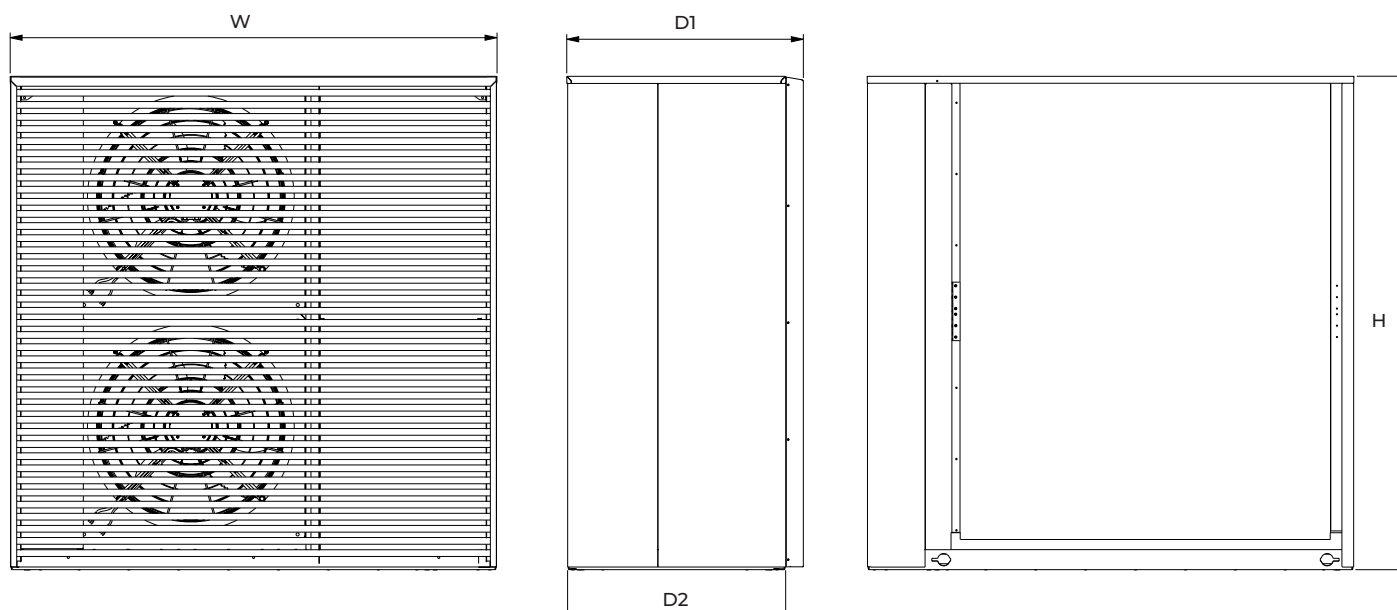
¹The specified performance parameters were achieved by the standalone heat pump, with no bivalent source connected.

HEAT PUMP ACOND XL



Cooling parameters at A35/W18		Cooling parameters at A35/W7	
Maximum cooling capacity [kW]	36	Maximum cooling capacity [kW]	31
Cooling factor [kW/kW] (max)	5.5	Cooling factor [kW/kW] (max)	3.8
Cooling factor [kW/kW] (min)	4.3	Cooling factor [kW/kW] (min)	2.8

DIMENSIONS OF THE HEAT PUMP XL



Model	XL
H [mm]	1730*
W [mm]	1710*
D1 [mm] / D2 [mm]	830* / 765*
Weight [kg]	max. 500 kg
Hydraulic connection	G2"
*=5% tolerance D1 – external dimension with cover slats D2 – transport dimension without slats	