

AIR-TO-AIR HEAT PUMPS WITHOUT EXTERNAL UNIT

UNICO EVO

[PVAN/EVAN/EVANX]



Size	20, 25, 30
Energy class	A+, A
Technology	inverter
Refrigerant	R290, R32
Electric heater	✓



Sync Power System

The new Twin Rotary compressor and the latest generation electronics are synchronised to obtain the best acoustic comfort, in all operating conditions. At low frequencies, it is one of the quietest Olimpia Splendid models without an external unit ever produced.

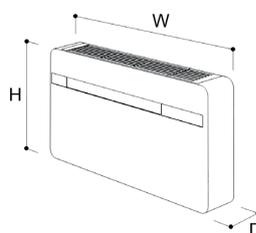
Integrated electric heater in the EVANX version

Below a certain outdoor temperature, the unit (Unico Evo 30 HP EVANX model) automatically switches from heat pump to electric heating, to ensure comfort even in the coldest outdoor temperatures. The switching temperature can be set during installation (default 4°C). The electric heating element has a modulating operation, the output power varies according to the set ventilation speed.

TECHNICAL INFO

- Condensate drain mandatory if used for heating. See the installation manual for details.
- In the absence of condensate drainage, it is possible to configure the machine, during installation, in COLD ONLY version by deactivating the heating function. If necessary, it is also possible to configure the machine in WARM ONLY, deactivating the heating function.
- Internal machine layout optimized for easy maintenance.
- Multi-filtering system consisting of electrostatic filter (with anti-dust function) and activated carbon filter (effective against odors).
- Wide flap for even air diffusion in the room.
- Dry contact for enable or energy boost.
- There is an RS485 port prepared for controlling the unit with external BMS in Modbus RTU language.
- 100% recyclable packaging, 98% plastic free.

DIMENSIONS AND WEIGHT



		20	25	30
W	mm	1015	1015	1015
H	mm	540	540	540
D	mm	180	180	180
WEIGHT	kg	41	41	41

- Cooling**
- Heating**
- Dehumidification**
- Ventilation**
- Auto Mode**
- Eco Mode**
- Silent Mode**
- Timer**

COMPATIBLE ACCESSORIES

B0999	Wireless control for radiators	
B0564	Grille kit diameter 160 mm	
B1029	Wireless thermostat	
B1030	IAQ wireless thermostat	
B1128	Relay wireless	
B0984	Kit for preparing holes with a diameter of 200 mm	
B0620	Heating cable	
B0753	Rain cover kit for 200 mm grilles	



TECHNICAL DATA

				Unico Evo 20 HP PVAN	Unico Evo 25 HP PVAN	Unico Evo 30 HP EVAN	Unico Evo 30 HP EVANX
Product code				02453	02455	02525	02576
EAN code				8021183024531	8021183024555	8021183025255	8021183025767
Nominal cooling capacity	Pnominale	(1)	kW	❄️ 1,7	❄️ 2,1	❄️ 2,6	❄️ 2,6
Output power in cooling mode (min/rated/max)		(1)	kW	1,0 / 1,7 / 2,3	1,0 / 2,1 / 2,5	1,5 / 2,6 / 3,1	1,5 / 2,6 / 3,1
Cooling power with Silent Mode function			kW	1,4	1,4	2,1	2,2
Absorbed power in cooling mode (min/rated/max)		(1)	kW	0,3 / 0,5 / 1,0	0,3 / 0,8 / 1,1	0,4 / 1,0 / 1,6	0,4 / 1,0 / 1,6
Absorption in cooling mode (min/nom/max)		(1)	A	2,5 / 4,7 / 7,0	2,5 / 4,7 / 7,2	1,9 / 4,1 / 7,6	1,9 / 4,1 / 7,6
Energy consumption for double-duct equipment - cooling	QDD	(1)	kWh/h	0,5	0,8	1	1
Energy efficiency class in cooling		(1)		A+	A	A	A
Indoor air flow rate in cooling mode (min/average/max)			m³/h	195 / 270 / 380	195/270/380	210 / 270 / 410	210 / 270 / 410
Outdoor air flow rate in cooling mode (min/average/max)			m³/h	350 / - / 650	350 / - / 650	350 / - / 650	350 / - / 650
Dehumidification capacity			l/h	0,7	0,7	0,7	0,7
EER	EERd	(1)		3,1	2,6	2,6	2,6
Nominal heating capacity	Pnominale	(1)	kW	❄️ 1,5	❄️ 1,7	❄️ 2,4	❄️ 2,4
Output power in heating mode (min/rated/max)		(1)	kW	1,0 / 1,5 / 2,2	1,0 / 1,7 / 2,3	1,2 / 2,4 / 2,7	1,2 / 2,4 / 2,7
Heating power with Silent Mode function			kW	1,4	1,4	1,9	2,1
Absorbed power in heating mode (min/rated/max)		(1)	kW	0,3 / 0,4 / 1,0	0,3 / 0,5 / 1,0	0,3 / 0,8 / 1,1	0,3 / 0,8 / 1,1
Absorption in heating mode (min/nom/max)		(1)	A	2,1 / 3,4 / 5,7	2,1 / 3,4 / 5,9	1,5 / 3,4 / 5,4	1,5 / 3,4 / 5,4
Energy consumption for double-duct equipment - heating	QDD	(1)	kWh/h	0,4	0,5	0,8	0,8
Energy efficiency class in heating mode		(1)		A	A	A	A
Indoor air flow rate in heating mode (min/average/max)			m³/h	195 / 270 / 380	195/270/380	210/270/410	210/270/410
Outdoor air flow rate in heating mode (min/average/max)			m³/h	350 / - / 650	350 / - / 650	350 / - / 650	350 / - / 650
COP	COPd	(1)		3,4	3,1	3,1	3,1
Electrical heating resistance (min/med/max)			kW	-	-	-	1,5/1,75/2,0
Maximum power consumption with electric resistance heating			kW	-	-	-	1,5/1,75/2,0
Maximum absorption with electric resistance heating			A	-	-	-	7,2 / 7,7 / 8,4
Indoor air flow rate with electric resistance in heating mode (min/med/max)			m³/h	-	-	-	210/270/410
Internal sound pressure (min/max)		(2)	dB(A)	🔊 26-40	🔊 26-40	🔊 26-42	🔊 26-42
Internal sound pressure in Silent Mode			dB(A)	30	30	30	30
Energy consumption in "thermostat off" mode	PTO		W	14	14	14	14
Energy consumption in "standby" mode (EN 62301)	PSB		W	0,5	0,5	0,5	0,5
Supply voltage			V-F-Hz	230-1-50	230-1-50	230-1-50	230-1-50
Supply voltage (min/max)			V	198 / 264	198 / 264	198 / 264	198 / 264
Power cable (N° pole x section mmq)				3 x 1,5	3 x 1,5	3 x 1,5	3 x 1,5
Internal ventilation speed				3	3	3	3
External ventilation speed				6	6	6	6
Diameter wall holes		(3)	mm	162/202	162/202	162/202	162/202
Maximum wall hole depth			m	1	1	1	1
Degree of protection of casing				IP20	IP20	IP20	IP20
Refrigerant gas		(4)	Type	R290	R290	R32	R32
Refrigerant gas charge			kg	0,145	0,145	0,28	0,28
Global warming potential	GWP			3	3	675	675
Maximum operating pressure			MPa	3,1	3,1	4,2	4,2
Maximum remote control range (distance/angle)			m / °	8 / ±80°	8 / ±80°	8 / ±80°	8 / ±80°
Dimensions (WxHxD) (without packaging)			mm	1015 x 540 x 180			
Dimensions (WxHxD) (with packaging)			mm	1100 x 605 x 290			
Weight (without packaging)			kg	41	41	41	41
Weight (with packaging)			kg	43	43	43	43

LIMITS OF OPERATING CONDITIONS

Outdoor environment	Operating temperatures in cooling mode (min/max)	- / DB 43°C			
	Operating temperatures in heating mode (min/max)	DB -15°C / DB 24°C			
Indoor environment	Operating temperatures in cooling mode (min/max)	DB 18°C / DB 35°C			
	Operating temperatures in heating mode (min/max)	- / DB 27°C			

(1) Test conditions: the nominal data refers to the EN14511 Standard - HEATING MODE: Temperature: outdoor environment DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C - COOLING MODE: Temperature: outdoor environment DB 35°C / WB 24°C; indoor environment DB 27°C / WB 19°C. The energy efficiency classes refer to a range between A+++ and D.

(2) Declaration of test data in a semi-anechoic chamber at a distance of 2m, minimum pressure in ventilation only.

(3) Machine supplied with grilles for 202 mm wall holes. If necessary, to replace an old Unico, the machine can also be installed with holes of 162 mm in diameter.

(4) Hermetically sealed equipment containing gas with GWP equivalent to 3 (R290) and 675 (R32).