

AIR SOURCE HEAT PUMPS

Outdoor installation 17/24/32/60 kW

TERRA AL Twin/Max



THE ENERGY FAMILY

High COP of 4.64 for low energy consumption

Two compressors for output adaptations and a low energy consumption

Sound Reduction System SRS for silent operation

NAVIGATOR® control system to optimise energy consumption and convenience



We take care of your well-being.

Leading technology from IDM. Expertise from installers.

www.idm-energie.com

WE MAKE IT EASY FOR YOU TO CHOOSE IDM.

THE IDM SYSTEM TECHNOLOGY

Regardless of whether it's our development of TWIN technology, which offers more safety than other systems, our stratified storage tank technology, which ensures optimum use of energy or our hygienic fresh water technology, which produces and provides bacteria-free fresh water exactly when you need it. Our research and development department has been developing solutions for over 35 years that our customers love.

SAFETY

High operational safety ensured by 2 compressors with 1000-fold proven scroll compressors

SMART PHONE

Control your new IDM heating system easily with the Navigator®. The Navigator® lies at the heart of IDM's system technology. You can control your heating system by using the Navigator, regardless of whether it's via a smartphone, tablet PC, notebook or a BUS system.



SMART GRID

All of our heat pumps are Smart Grid ready. Smart grids connect power generators, power plants and electricity consumers. They distribute the load intelligently in the network. The heat pump obtains information from energy suppliers on whether the tariff is currently high, average or low to reduce the costs.



SMART WEB

The operating data generated by the system is available at "myIDM" as soon as the commissioning phase has been completed and the unit is connected to the Internet. If your heating system develops problems in a worst-case scenario, then our service technician will know about it before you have chance to feel cold. And then the issue is often resolved before it develops into a problem.

QUALITY

Tested heat pumps with the EHPA seal of approval



SOUND REDUCTION SYSTEM SRS

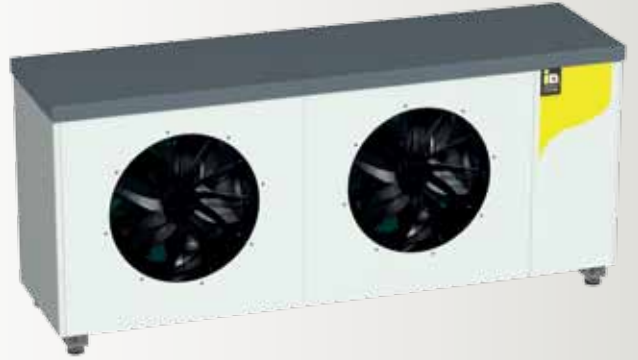
Fans with owl blades to reduce noise emissions in the AL Twin, optimised air flow, sound-insulated housing and only one compressor active at partial load.





TERRA AL 17/24/32 Twin air source heat pump

- 17 - 32 kW (certified COP 4.64 in partial operation)
- 2-stage design
- Demand-based output adaptation with 2 compressors
- Allows cooling
- Low design height
- Integrated heat pump management NAVIGATOR® 1.7
- Control system for protection against the elements
- Pure outdoor installation

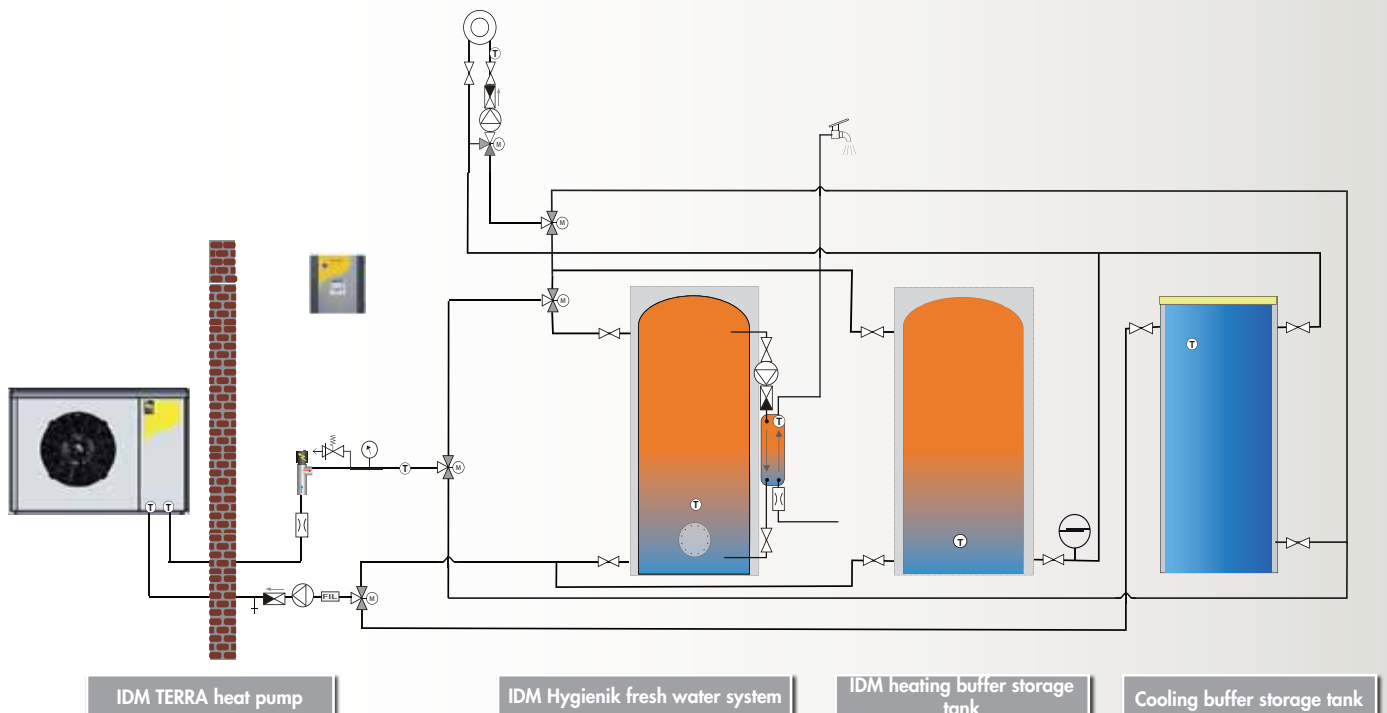


TERRA AL 60 Max air source heat pump

- 60 kW
- 2-stage design
- Demand-based output adaptation with two compressors
- Allows cooling
- The IDM TERRA AL 60 Max heat pump with TWIN technology features two separate cooling circuits in one housing. This means double the power and double the safety with enhanced flexibility and a longer service life.

COOLING

In cooling mode the heat pump operates backwards. This requires an additional cooling buffer. Hygienik and heating storage tank are shown separately on the illustration. However, you may also use a layered storage tank to store heat for the heating and hot water together.



TECHNICAL DATA:

TERRA AL Twin/Max for outdoor installation

Technical data in compliance with EN 14511	UNIT	TERRA AL 17 Twin	TERRA AL 24 Twin	TERRA AL 32 Twin	TERRA AL 60 Max*
Compressors/cooling circuits		2/1			2/2
Heat output for A2/W35	[kW]	17.24	23.68	31.56	58.24
Heat output for A7/W35	[kW]	21.67	29.17	38.51	Not available
Power consumption for A2/W35	[kW]	4.23	5.85	7.87	16.55
Power consumption for A7/W35	[kW]	4.43	5.98	7.99	Not available
COP at A2/W35		4.08	4.05	4.01	3.52
COP at A7/W35		4.89	4.88	4.82	Not available
Heating output at A2/W35 (1 stage)	[kW]	10.26	13.09	18.55	29.12
Power consumption at A2/W35 (1 stage)	[kW]	2.21	2.84	4.07	8.28
COP at A2/W35 (1 stage)		4.64	4.62	4.56	3.52
Cooling capacity at A35/W18	[kW]	26.31	35.86	45.00	71.45
EER at A35/W18		3.87	3.89	3.81	3.71
Sound power level at a distance of 10 m	dB(A)	41.9	44.5	50.8	53.8
Dimensions HxWxD	mm	1199x1950x925	1399x1950x925		1439x3272x895
Weight	kg	430	575	590	870

* Preliminary data, official type testing had not been completed at the time of printing;



EN ISO 9001
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