



The nordic alternative



A technological break-through for Air/Water-systems

The most flexible solution

The fastest growing solution of using heat-pumps is the Air/Water Heat Pump. The technology has been successfully improved and energy exchange has increased. The system and the high efficiency will result in less sensitivity to energy price increases. The advantages of Air/Water pumps are also easy installation and no damage to the surface of your property



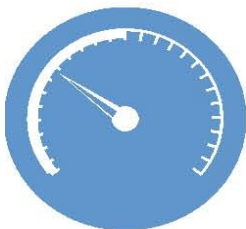
Reliable even during power failures

ThermoHeat can offer a design with the heat exchanger located in the accumulator which provides both better efficiency and an eliminated risk of freezing. Nor is there a risk that the heat pump will freeze during power failure. The most effective refrigerant(R 410a) is circulating between the heat pump and the accumulator.



Optimized system

ThermoHeat is a system which has not only solved the problem of freezing. It also provides considerable efficiency gains. The explanation is the newly developed technology which makes the heat pump and accumulator co-operate better. ThermoHeat is built upon a combination of the market leading heat pump (Mitsubishi) and a unique newly developed accumulator technology which makes good use of heat produced by the pump.



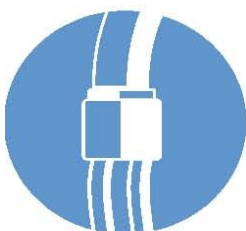
One model to optimize efficiency

Heat pumps with over-capacity provide a better total economy. Four models of heat pumps and two sizes of accumulator tanks up to 31 kW. By using ThermoHeat there will be extra capacity when it is needed the most. The micro processor controlled system will minimize the use of electricity, which means that the extra capacity comes with no cost on a daily basis.



Heat when it's most needed

The biggest difference to other systems will be obvious at low outdoor temperatures. ThermoHeat will deliver also at low outdoor temperatures and will do so down to about -25°C. At really low temperatures the built-in 9kW heater will support the heat pump. The micro processor is controlling the mix all the time so the use of electricity is minimized, but if needed the whole 9 kW's are there to secure performance.



Hot water when you need it.

An important parameter for the user is how fast the system can generate hot water. Even when several persons would like to take a bath after one another there shouldn't be a shortage of hot water. ThermoHeat is outstanding in its capacity to deliver 240 l of 45 degrees water at 20 l/min.



First class distributors.

The distributor has been approved by ThermoHeat after extensive training so you are sure that your heat pump is installed in the most efficient way.

Secure and simple

A new heating system is a long term investment that shall perform in a secure way for many years. The ThermoHeat system has proven itself through numerous installations over the years with very few problems. All components both electrical and mechanical are standard components from the world's leading suppliers. This is your guarantee for long life and safe supply of spare parts through the years.

ThermoHeat International AB

ThermoHeat International AB is an innovative company with its roots in the installation business. Working with heat pumps through the years has given a know how in what is working and what is not working and with that know how we have developed a system that is efficient, economical and safe. During the years our system has proven itself. Designed in Sweden and used in Sweden with its long history of heat pumps guarantees a well proven product.

Potential.

Installations in Nordic climate shows that a saving of over 60% is possible and in countries with warmer climate even more.

Power Inverter

	10,9 kW	14,7kW	18 kW	25 kW	31 kW	2*25 kW	2*31 kW
Height mm	950	1400	1400	1400	1400	1400	1400
Width mm	950	950	950	950	950	2*950	2*950
Depth mm	400	400	400	400	400	400	400
Heat dissipation at +7/50	cop 3,2 inkl avfrostning 10,9 kW	cop 3,2 inkl avfrostning 14,7 kW	cop 3,2 inkl avfrostning 14,7 kW	cop 3,4 inkl avfrostning 25 kW	cop 3,2 inkl avfrostning 31 kW	cop 3,4 inkl avfrostning 25 kW	cop 3,2 inkl avfrostning 31 kW
Heat dissipation at -7/55	cop 2,2 inkl avfrostning 8,5 kW	cop 2,4 inkl avfrostning 11,5 kW	cop 2,4 inkl avfrostning 11,5 kW	cop 2,6 inkl avfrostning 16,2 kW	cop 2,4 inkl avfrostning 18,5 kW	cop 2,6 inkl avfrostning 16,2 kW	cop 2,4 inkl avfrostning 18,5 kW
Fan motor	60 w	120 w	120 w	120 w	120 w	240w	240 w
Number of fans	1 st	2 st	2 st	2 st	2 st	4 st	4 st
Air flow m3/h	3600 m3/h	6600 m3/h	7200 m3/h	8400 m3/h	8400 m3/h	2*8400 m3/h	2*8400 m3/h
Compressor	Mitsubishi Twinrotation	Mitsubishi Scroll	Mitsubishi Scroll	Mitsubishi Scroll	Mitsubishi Scroll	Mitsubishi Scroll	Mitsubishi Scroll
Refrigerant	R410a	R410a	R410a	R410a	R410a	R410a	R410a
kg refrigerant	3,5 kg	5,0 kg	5,0 kg	7,1 kg	7,7 kg	2*7,1 kg	2*7,7 kg
Connection hot gas	5/8"	5/8"	5/8"	1"	1"	1"	1"
Connection condensat	3/8"	3/8"	3/8"	3/8"	1/2"	3/8"	1/2"
Voltage	220 - 240 50Hz 1 fas	400v 50Hz, N3fas	400v 50Hz, N3fas	400v 50Hz, N3fas	400v 50Hz, N3fas	400v 50Hz, N3fas	400v 50Hz, N3fas
Fuse	16	20	20	25	25	2*25	2*25
Sound level	49 dB	54dB	54dB	55dB	55dB	55dB	55dB



ThermoHeat indoor unit 310-660

ThermoHeat	310	410	315	415	318	418	425	430	650	660
Height mm	1820	1640	1820	1640	1820	1640	1640	1640	1800	1800
Width mm	600	700	600	700	600	700	700	700	800	800
Depth mm	620	700	620	700	620	700	700	700	800	800
Hot water volume in heater	200 l	240 l	200 l	240 l	200 l	280 l	370 l	390 l	500 l	600 l
Weight	180 kg	180 kg	180 kg	180 kg	180 kg	180 kg	200 kg	180 kg	180 kg	180 kg
Circulation Pump	Grundfors Alpha: 25/40-180	Grundfors Alpha: 25/40-180	Grundfors Alpha: 25/40-180	Grundfors Alpha: 25/40-180	Grundfors Alpha: 25/60-180	Grundfors Alpha: 25/60-180				
Fuse	16 amp	16 amp	16 amp	16 amp	16 amp	16 amp	25 amp	25 amp	50 amp	50 amp
Connection radiator	22 mm Cu	22 mm Cu	22 mm Cu	22 mm Cu	22 mm Cu	22 mm Cu	28 mm Cu	28 mm Cu	35 mm Cu	35 mm Cu
Connection hot Water	18 mm Cu	18 mm Cu	18 mm Cu	18 mm Cu	22 mm Cu	22 mm Cu	22 mm Cu	22 mm Cu	28 mm Cu	28 mm Cu
Connection gas	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	1"	1"	2*1"	2*1"
Connection condensat	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	1 1/2"	2*3/8"	2*1 1/2"

During 2012