



Pack Price List 2008

Designed for professional installers and developers

**AIR/WATER
HEAT PUMPS
NEW
PACKS 2008**

- Pre-selected packs
- Ideal for new build & retro fit
- Reduced price for packs
- Grants available

NIBE Air/Water - Heat Pumps

Harnesses free energy from the air around us

SPECIFICALLY DESIGNED
-10°C
FOR THE UK CLIMATE



NIBE Trade Price List valid from 1st August 2008

MADE IN SWEDEN

NIBE Air/Water Heat Pump

Air to Water Pack Price List 2008

The new air to water pack price list is designed for the professional installer and developer. The pre selected packs are designed to be installed in new builds or retro fitted existing installations. The packs make it easier to select the correct products for the correct application. The range of packs mean the prices are more attractive because all components are included.



How does an air source heat pump work?

Air to water heat pumps use outside air that is heated by the sun, meaning that there are no requirements for bore holes or coils in the ground, thus reducing installation time and costs. Air to water heat pumps are suitable for new builds or existing dwellings where digging up the garden is not an option.



The air to water heat pumps work by converting the energy of the outside air into heat, creating a comfortable temperature inside the home and supplying energy for the hot water. The efficiency for an air to water heat pump is measured by coefficient of performance (COP). An air to water heat pump can convert 1kW of electricity into 4kW of usable heat giving a COP of 4. This means that you get 3kW of free energy from the surrounding air.

Our air to water heat pumps should cover the heating and hot water requirements all year round. Alternatively, an air to water heat pump with an output smaller than the heat demand can be docked with new or existing heating systems incorporating an alternative heat source. The heat pump provides efficient heating for most of the heating season with

supplementary energy from the alternative heat source, only being required in extreme winter periods.



Why choose a NIBE air to water heat pump?

NIBE 2005 air to water heat pumps have been specifically developed for the UK climate, working down to -10C° outdoor temperature. This means our heat pump works efficiently between 0C° and 7C°, which are average UK winter temperatures. All NIBE air to water heat pumps are manufactured in Sweden and are designed for harsh Nordic conditions making them ideal for the mild UK climate. In comparison to other heat pumps, our units use a two step control that achieves a much greater economy even at low outdoor temperatures.

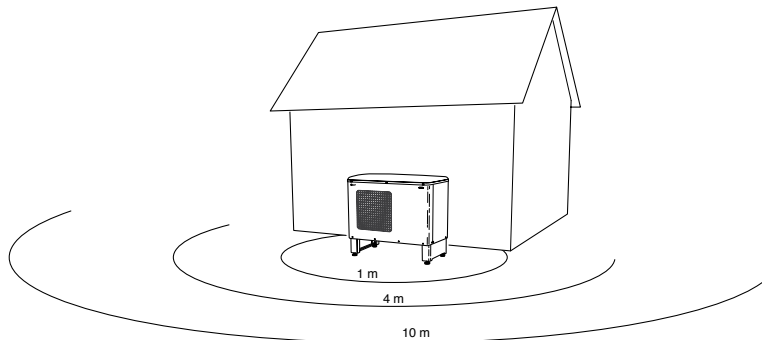


NIBE Air/Water Heat Pump

Products specifications	Single Phase	
	2005-8 COP	2005-11 COP
Outside air temperature/hot water temperature at 2/35 °C	3.63	3.57
Outside air temperature/hot water temperature at 7/35 °C	3.95	4.7
Outside air temperature/hot water temperature at -7/45 °C	2.4	2.46
Outside air temperature/hot water temperature at 0/45 °C	2.86	2.83
Outside air temperature/hot water temperature at 7/45 °C	3.35	3.39
Outside air temperature/hot water temperature at -7/50 °C	2.22	2.22
Outside air temperature/hot water temperature at 2/50 °C	2.72	2.75
Outside air temperature/hot water temperature at 7/50 °C	3.12	3.05
Outside air temperature/hot water temperature at 15/50 °C	3.76	3.6
Starting current	24 A	33 A
Motor protection setting	15 A	21.5 A
Soft-start relay	As standard	
Operating voltage	230V + N + PE 50 Hz	
Compressor	Scroll compressor	
Air flow	1320/1750 m ³ /h	
Nominal output fan	155/185 W	
Height with stand	1045 mm	
Width	1200 mm	
Depth	500 mm	
Weight	150 kg	160 kg

Hot Water Demand	Pack 1	Pack 2	Pack 3	Pack 6
1 Bathroom	✓	✓	✓	✓
1 Bathroom + En-Suite	✓	✓	✓	✓
2 Bathrooms	✓	✓	✓	✓
3 Bathrooms		✓	✓	✓

Guidance should be sought for non-standard installations e.g. high flow showers, large baths etc..



Sounds Levels		F 2005-8	F 2005-10, 11
Sound pressure level at 1 m. Fan low/high	dB(A)	55.9/60.5	56.8/59.3
Sound pressure level at 4 m. Fan low/high	dB(A)	43.9/48.5	44.8/47.3
Sound pressure level at 10 m. Fan low/high	dB(A)	35.9/40.5	36.8/39.3

Pack 1



A compact system utilising the attractive Fighter 2005 air to water Heat pump with its durable stainless steel casing. The system is supplied with a VVM 300, to create a complete heating and hot water unit. The VVM 300 stores 155 litres of domestic hot water and is equipped with a weather compensating control box to ensure the most economical operation. The VVM also has an electric boiler for back up, circulation pumps, heating pressure vessel and filling loop. The UKV buffer vessel is used upstream or downstream connected to the heat pump in order to avoid stopping the circulation, thus optimising the system running costs.

	Pack 1A	Pack 1B
Air/water heatpump	Fighter 2005-8 kW	Fighter 2005-11kW
Hot water cylinder	VVM300	VVM300
Buffer vessel	UKV 100	UKV 100
Product code	PAW001A	PAW001B
Price	£ 6 155.90	6 394.45

Pack 2



The attractive Fighter 2005 air to water Heat pump with its durable stainless steel casing is supplied with a VPA300/200, for complete heating and hot water solutions where there is a large demand for hot water. The VPA300/200 stores 300 litres of domestic hot water. An immersion heater is also supplied as back up for the domestic hot water during periods of excessive demand. The SMO 10 is a weather compensating control box to ensure the most economical operation of the system. This pack also allows the heat pump to be docked with a gas, oil or electric boiler.

	Pack 2A	Pack 2B
Air/water heatpump	Fighter 2005-8 kW	Fighter 2005-11kW
Control module	SMO 10	SMO 10
Hot water heatpump	VPA300/200	VPA300/200
3 port valve	VST 11	VST 11
Immersion heater	IU34	IU34
Immersion heater thermostatic head	K11	K11
Relay	HR10	HR10
Product code	PAW002A	PAW002B
Price	£ 6 363.15	6 601.70

Pack 3



A compact system utilising the attractive Fighter 2005 air to water Heat pump with its durable stainless steel casing. The system is supplied with a VPA300/200, for a complete heating and hot water solution where there is a large demand for hot water. The VPA300/200 stores 300 litres of domestic hot water. An Immersion heater is supplied as back up for the domestic hot water during periods of excessive demand. The SMO 10 is a weather compensating control box to ensure the most economical operation of the system. The UKV buffer vessel is used upstream or downstream connected to the heat pump in order to avoid stopping the circulation, thus optimising the system running costs. This pack allows the heat pump to be docked with a gas, oil or electric boiler and is an ideal system for retro fit or new installations

	Pack 3A	Pack 3B
Air/water heatpump	Fighter 2005-8 kW	Fighter 2005-11kW
Control module	SMO 10	SMO 10
Hot water heatpump	VPA300/200	VPA300/200
3 port valve	VST 11	VST 11
Buffer vessel	UKV 200	UKV 200
Immersion heater	IU34	IU34
Immersion heater thermostatic head	K11	K11
Relay	HR10	HR10
Product code	PAW003A	PAW003B
Price	£ 6 770.10	7 008.60

Pack 4



The attractive Fighter 2005 air to water Heat pump with its durable stainless steel casing is supplied with the SMO 10 weather compensating control box to ensure the most economical operation of the system. The UKV buffer vessel is used upstream or downstream connected to the heat pump in order to avoid stopping the circulation, thus optimising the system running costs. This pack allows the heat pump to be docked with a gas, oil or electric boiler and is an ideal system for retro fit or new installations.

	Pack 4A	Pack 4B
Air/water heatpump	Fighter 2005-8 kW	Fighter 2005-11kW
Control module	SMO 10	SMO 10
Accumulator tank	UKV 200	UKV 200
Product code	PAW004A	PAW004B
Price	£ 5 058.60	5 297.15

NIBE Air/Water Heat Pump

Pack 5

The attractive Fighter 2005 air to water Heat pump with its durable stainless steel casing is supplied with the SMO 10 weather compensating control box to ensure the most economical operation of the system. This pack allows the heat pump to be docked with a gas, oil or electric boiler and is an ideal system for retro fit or new installations.



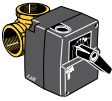


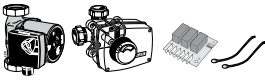
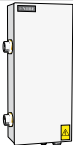
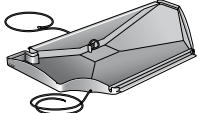
	Pack 5A	Pack 5B
Air/Water heatpump	Fighter 2005-8 kW	Fighter 2005-11kW
Control module	SMO 10	SMO 10
Product code	PAW005A	PAW005B
Price	£ 4 651.70	4 890.25

Pack 6

A compact system utilising the attractive Fighter 2005 air to water Heat pump with its durable stainless steel casing. The system is supplied with a VPAS300/450, for complete heating and hot water solution. The VPAS300/450 as connections for use with solar thermal panels and stores 300 litres of domestic hot water. Immersion heater back up is also supplied for the domestic hot water during periods of excessive demand. The SMO 10 is a weather compensating control box to ensure the most economical operation of the system. This pack allows the heat pump to be docked with a gas, oil or electric boiler and is an ideal system for retro or new installation.



	Pack 6A	Pack 6B
Air/Water heatpump	Fighter 2005-8 kW	Fighter 2005-11kW
Control module	SMO 10	SMO 10
Water heater	VPAS300/450	VPAS300/450
3 port valve	VST 11	VST 11
Immersion heater	IU34	IU34
Immersion heater thermostatic head	K11	K11
Relay	HR10	HR10
Product code	PAW006A	PAW006B
Price	£ 7 335.65	7 574.20

Accessories	Product Description	Product code	Type	Price
	VST 20 Three way hot water control valve for loads from 15 - 40K	089388	ACC	£206.64
	Pool 20 Control Pack for Swimming Pools	064006	ACC	£206.64
	HR10 Relay module	089423	ACC	£152.88
	ESV20 Shunt Group for Mixed Heating Systems	089317	ACC	£367.08
	ELK 5kW 1x230V	069025	HP	£537.60
	ELK 8kW 1x130V	069026	HP	£672.00
NEW	Single phase electric boiler			
	KVT 10 Condensate drain	089686	ACC	£185.00
NEW				



MADE IN SWEDEN

NIBE Energy Systems Limited is a subsidiary of NIBE Heating with its headquarters in Markaryd in Sweden. NIBE is one of Europe's leading manufacturers in the domestic heating sector.

We supply homes with products that provide domestic hot water and ensure a comfortable indoor climate. We offer high-tech solutions for heating, ventilation, cooling and heat recovery that reflect today's demand for sustainable construction.



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Intelligent heating solutions