






HEAT PUMPS CATALOGUE, from 1.1.2010

BoxAir		All in one - a modern compact unit with electronic injection an the Internet				AIR to WATER	
<p>The BoxAir heat pump is a very efficient and economical source of heating, cooling and DHW preparation. Being in great demand, the all-in-one design made of stainless materials makes possible to place the whole equipment outside the building so that no place inside is necessary. Owing to the scroll compressors and low-noise fans used, the equipment can be installed even within high-density development without any problems. The whole output series is newly fitted with DC fans of infinitely variable speed. As the acquisition price of the whole installation is low, a quick return on the investment is assured even in the case of low-energy houses. The BoxAir heat pump is the winner of the Grand Prix For Arch 2007 and the Aqua Therm 2007 Honourable Mention.</p>							
power	Heat pumps, 3ph					Options	
A7W35	type	compressor	sizes	wight	order nr.	type	order nr.
7,2 kW	BoxAir-17ZE-2010	LG, 3x400V	1040x1300x530mm	115kg	3BA17Z10	Expansion board and PGD	10BAEK
8,2 kW	BoxAir-22ZE-2010	LG, 3x400V	1040x1300x530mm	120kg	3BA22Z10	PGD_add_wall_mounted	10PGD
10,6 kW	BoxAir-26ZE-2010	Sanyo, 3x400V	1040x1300x530mm	150kg	3BA26Z10	Internet HP control	10pCOWeb
12,2 kW	BoxAir-30ZE-2010	Sanyo, 3x400V	1650x1300x530mm	176kg	3BA30Z10	Full Cooling	10CH
15,4 kW	BoxAir-37ZE-2010	Sanyo, 3x400V	1650x1300x530mm	178kg	3BA37Z10	Terminal_pADh_cooling	10BAPADH
18,2 kW	BoxAir-45ZE-2010	Sanyo, 3x400V	1650x1300x530mm	180kg	3BA45Z10	Softstart_15A	10SS15
power	Heat pumps, 1ph					Options	
A7W35	type	compressor	sizes	wight	order nr.	type	order nr.
10,6 kW	BoxAir-26Z1E-2010	Sanyo, 1x220V	1040x1300x530mm	150kg	3BA26Z110	ON/OFF_MODUL	10BAONOFF
12,2 kW	BoxAir-30Z1E-2010	Sanyo, 1x220V	1650x1300x530mm	176kg	3BA30Z110	Three_phase_relay	10SF
15,4 kW	BoxAir-37Z1E-2010	Sanyo, 1x220V	1650x1300x530mm	178kg	3BA37Z110	Red, grey or metal colour	
		Standard equipment Graphic terminal pAD Low-noise DC fan Equithermal control system Built-in electric boiler Electronically controlled coolant injection					

BoxAir Inverter		2009 Winner - high-tech equipment in a well-proven, compact package				AIR to WATER	
<p>The latest novelty in our range of products is the winner of two prestigious awards - the Grand Prix For Arch 2009 Award and the Aqua Therm 2009 Golden Medal for the best exhibit. The equipment combines the well-proven and in-demand compact design, expansion valve electronic control and compressor inverter technology into a single balanced unit that brings many advantages as compared to standard equipment. It decreases the frequency of pump compressor switching on/off; this greatly influences power consumption and equipment lifetime. A significant decline in operating costs take places (up to by 30%). In most cases, it is not necessary to install any reservoir tank, which saves the boiler room space and installation costs. The unit is equipped with fans of infinitely variable speed, built-in electric boiler and equitherm control, while the possibility of connecting to the Internet goes without saying.</p>							
power	Heat pumps, 1ph or 3ph					Options	
A7W35	type	compressor	sizes	wight	order nr.	type	order nr.
5 - 15 kW	BoxAir-30IE-2010	LG, 1ph or 3ph	1650x1300x530mm	176kg	3BA30Z110	Expansion board and PGD	10BAEK
		Standard equipment Graphic terminal pAD Low-noise DC fan Equithermal control system Built-in electric boiler Electronically controlled coolant injection			PGD_add_wall_mounted 10PGD Internet HP control 10pCOWeb Full Cooling 10CH Terminal_pADh_cooling 10BAPADH Red, grey or metal colour		
					Refrigerant R410a		

EasyMaster		Top-selling split heat pump of extraordinary utility value				AIR to WATER	
<p>The Easymaster heat pump represents an excellent choice of an economical and environmentally-friendly heating/cooling/DHW source with an outstanding price to value ratio. The split design brings about its traditional advantages in the form of ultra-low-noise external unit and placement of heat pump main components inside the building. Even though the pump represents the most advantageous price offer for a split heat pump on the domestic market, it still is equipped with the high-quality, low-noise and robust Sanyo compressor; also, the equipment offers in its basic configuration the essential features: advanced technology of coolant electronic injection, equitherm control system, and - in the spirit of this brand tradition - all components from world prestigious manufacturers. The wide range of optional accessories enables an additional extension of the pump configuration according to concrete needs, incl. connection to the Internet and seven-year warranty.</p>							
power	Heat pumps, 3ph					Options	
A7W35	type	compressor	sizes	wight	order nr.	type	order nr.
10,6 kW	EasyMaster-26ZE-2010	Sanyo, 3x400V	1200x530x720mm	160kg	3EM26Z10	Expansion board	10EK
12,2 kW	EasyMaster-30ZE-2010	Sanyo, 3x400V	1200x530x720mm	160kg	3EM30Z10	PGD_add_wall_mounted	10PGD
15,4 kW	EasyMaster-37ZE-2010	Sanyo, 3x400V	1200x530x720mm	170kg	3EM37Z10	Internet HP control	10pCOWeb
18,0 kW	EasyMaster-45ZE-2010	Sanyo, 3x400V	1200x530x720mm	180kg	3EM45Z10	Desuperheater	10DESUP
one external unit			910x1250x460mm	70kg		Full Cooling	10CH
Heat pumps, 1ph							
10,6 kW	EasyMaster-26Z1E-2010	Sanyo, 1x220V	1200x530x720mm	160kg	3EM26Z110	Terminal_pAD	10PAD
12,2 kW	EasyMaster-30Z1E-2010	Sanyo, 1x220V	1200x530x720mm	160kg	3EM30Z110	Terminal_pADh_cooling	10PADH
15,4 kW	EasyMaster-37Z1E-2010	Sanyo, 1x220V	1200x530x720mm	170kg	3EM37Z110	Softstart_15A	10SS15
18,0 kW	EasyMaster-45Z1E-2010	Sanyo, 1x220V	1200x530x720mm	180kg	3EM45Z110	Three_phase_relay	10SF
one external unit			910x1250x460mm	70kg		Internal_unit (red, grey colour)	
		Standard equipment Graphic terminal PGD Low-noise fan Equithermal control system Built-in electric boiler Electronically controlled coolant injection			External_unit (red, grey or metal colour) External_unit (4legs vertical, horizontal or console)		



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AirMaster
mini

Outstanding split-type heat pump for the most demanding conditions

AIR to WATER

AirMaster MINI is an outstanding heat/cold source with excellent efficiency and advanced technology. It is equipped with the special Copeland ZH series compressor designed for the use in heavy-duty types of heat pumps working under the most severe operating conditions. This resulted into an exceptionally high performance factor of the heat pump, which makes a great difference to standard types under low outdoor temperatures and requirements for high temperature levels of outlet heating water. AirMaster MINI is an excellent product purposed for the widest range of use, which is newly fitted with high-standard elements already in its basic version: desuperheater for even higher efficiency of DHW preparation and expansion card capable of controlling up to four independent heating circuits.

power	Heat pumps, 3ph					Options	
A7W35	type with COPELAND	compressor	sizes	wight	order nr.	type	order nr.
6,4 kW	AirMaster-3015ME-2010	Copeland, 3x400V	1200x530x720mm	160kg	3AM3015M10	PGD wall mounted	1OPGD
8,6 kW	AirMaster-3021ME-2010	Copeland, 3x400V	1200x530x720mm	160kg	3AM3021M10	Internet HP control	1OpCOWeb
11,6 kW	AirMaster-3030ME-2010	Copeland, 3x400V	1200x530x720mm	165kg	3AM3039M10	Terminal_pAD	1OPAD
14,4 kW	AirMaster-3038ME-2010	Copeland, 3x400V	1200x530x720mm	170kg	3AM3038M10	Terminal_pADh_cooling	1OPADH
16,9 kW	AirMaster-3045ME-2010	Copeland, 3x400V	1200x530x720mm	175kg	3AM3045M10	Softstart_15A	1OSS15
	one external unit		910x1250x460mm	70kg		Softstart_25A	1OSS25
	double compressors units					Three_phase_relay	1OSF
23,4 kW	AirMaster-3060.2ME-2010	Copeland, 3x400V	1200x1020x720mm	350kg	3AM3060.2M10	Internal_unit (red, grey colour)	
29,2 kW	AirMaster-3076.2ME-2010	Copeland, 3x400V	1200x1020x720mm	360kg	3AM3076.2M10	External_unit (red, grey or metal colour)	
34,2 kW	AirMaster-3090.2ME-2010	Copeland, 3x400V	1200x1020x720mm	370kg	3AM3090.2M10	External_unit (4legs vertikal, horizontal or console)	
	two external units		910x1250x460mm	2x70kg			
	type with SANYO						
11,6 kW	AirMaster-3130ME-2010	Sanyo, 3x400V	1200x530x720mm	165kg	3AM3139M10		
14,4 kW	AirMaster-3138ME-2010	Sanyo, 3x400V	1200x530x720mm	170kg	3AM3138M10		
16,9 kW	AirMaster-3145ME-2010	Sanyo, 3x400V	1200x530x720mm	175kg	3AM3145M10		
	one external unit		910x1250x460mm	70kg			
	double compressors units						
23,4 kW	AirMaster-3160.2ME-2010	Sanyo, 3x400V	1200x1020x720mm	350kg	3AM3160.2M10		
29,2 kW	AirMaster-3176.2ME-2010	Sanyo, 3x400V	1200x1020x720mm	360kg	3AM3176.2M10		
34,2 kW	AirMaster-3190.2ME-2010	Sanyo, 3x400V	1200x1020x720mm	370kg	3AM3190.2M10		
	two external units		910x1250x460mm	2x70kg			

Standard equipment

- Expansion board
- Graphic terminal PGD
- Low-noise fan
- Built-in electric boiler
- Equithermal control system
- Electronically controlled coolant injection
- Full cooling - reverse operation






power	Heat pumps, 1ph				
A7W35	type with COPELAND	compressor	sizes	wight	order nr.
6,4 kW	AirMaster-3015M1E-2010	Copeland, 1x220V	1200x530x720mm	160kg	3AM3015M110
8,6 kW	AirMaster-3021M1E-2010	Copeland, 1x220V	1200x530x720mm	160kg	3AM3021M110
11,6 kW	AirMaster-3030M1E-2010	Copeland, 1x220V	1200x530x720mm	165kg	3AM3039M110
	one external unit		910x1250x460mm	70kg	
	double compressors units				
23,4 kW	AirMaster-3060.2M1E-2010	Copeland, 1x220V	1200x1020x720mm	350kg	3AM3060.2M110
	two external units		910x1250x460mm	2x70kg	
	type with SANYO				
11,6 kW	AirMaster-3130M1E-2010	Sanyo, 1x220V	1200x530x720mm	165kg	3AM3139M110
14,4 kW	AirMaster-3138M1E-2010	Sanyo, 1x220V	1200x530x720mm	170kg	3AM3138M110
	one external unit		910x1250x460mm	70kg	
	double compressors units				
23,4 kW	AirMaster-3160.2M1E-2010	Sanyo, 1x220V	1200x1020x720mm	350kg	3AM3160.2M110
29,2 kW	AirMaster-3176.2M1E-2010	Sanyo, 1x220V	1200x1020x720mm	360kg	3AM3176.2M110
	two external units		910x1250x460mm	2x70kg	

AirMaster
mini

Standard equipment
Expansion board
Graphic terminal PGD
Low-noise fan
Built-in electric boiler
Equithermal control system
Electronically controlled coolant injection
Full cooling - reverse operation



AirMaster aku						Flagship product in our offer - a combination of unrivalled design and full equipment		AIR to WATER	
AirMaster AKU symbolises in our offer imaginary pinnacle and long-standing fixed star - as early as in 2006, for its unique design and high-tech status, this heat pump has been awarded the Honourable Mention of Aqua Therm and Grand Prix For Arch Prague. With regard to its advanced design and continuous improvements both in design and control software, nothing has changed in its privileged position. Owing to the integrated 180-litre reservoir tank, AirMaster AKU represents a completely equipped boiler unit taking up mere 0.36 sq.m.. and therefore its installation is very easy and quick. The high-quality Copeland series ZH compressor, built-in DHW preheater and newly extended high-standard equipment in the basic price (Expansion Card, Cooling Mode) put the finishing touches to this extraordinary offer of comfort and reliability.									
power	Heat pumps, 3ph					Options			
A7W35	type with COPELAND	compressor	sizes	wight	order nr.	type	order nr.		
6,8 kW	AirMaster-3015AE-2010	Copeland, 3x400V	1850x590x640mm	265kg	3AM3015A10	PGD add wall mounted	1OPGD		
8,7 kW	AirMaster-3021AE-2010	Copeland, 3x400V	1850x590x640mm	265kg	3AM3021A10	Internet HP control	1OpCOWeb		
12,3 kW	AirMaster-3030AE-2010	Copeland, 3x400V	1850x590x640mm	265kg	3AM3039A10	Terminal pAD	1OPAD		
15,0 kW	AirMaster-3038AE-2010	Copeland, 3x400V	1850x590x640mm	265kg	3AM3038A10	Terminal pADh cooling	1OPADH		
17,8 kW	AirMaster-3045AE-2010	Copeland, 3x400V	1850x590x640mm	265kg	3AM3045A10	Softstart_15A	1OSS15		
	type with SANYO					Softstart_25A	1OSS25		
12,3 kW	AirMaster-3130AE-2010	Sanyo, 3x400V	1850x590x640mm	265kg	3AM3139A10	Three_phase_relay	1OSF		
15,0 kW	AirMaster-3138AE-2010	Sanyo, 3x400V	1850x590x640mm	265kg	3AM3138A10	Internal_unit (red, grey colour)			
17,8 kW	AirMaster-3145AE-2010	Sanyo, 3x400V	1850x590x640mm	265kg	3AM3145A10	External_unit (red, grey or metal colour)			
	one external unit		910x1250x460mm	70kg		External_unit (4legs vertikal, horizontal or console)			
	double compressors units								
23,4 kW	AirMaster-3160.2AE-2010	Sanyo, 3x400V	1850x1020x720mm	350kg	3AM3160.2A10				
29,2 kW	AirMaster-3176.2AE-2010	Sanyo, 3x400V	1850x1020x720mm	360kg	3AM3176.2A10				
	two external units		910x1250x460mm	2x70kg					
	type with SANYO								
12,3 kW	AirMaster-3130AE-2010	Sanyo, 1x220V	1850x590x640mm	265kg	3AM3139A110				
15,0 kW	AirMaster-3138AE-2010	Sanyo, 1x220V	1850x590x640mm	265kg	3AM3138A110				
	one external unit		910x1250x460mm	70kg					
	Standard equipment	Built-in electric boiler Equithermal control system Electronic controlled coolant injection Full cooling - reverse operation Accumulation tank 180l, pre-heating of service water (type ACU)							












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AquaMaster		Modern and well-proven design brought to excellence				BRINE TO WATER (water to water)	
A modernised design of the very successful earth-to-water (water-to-water) type especially suitable for applications using earth collectors. Scaled in a wide range from approx. 7 to 64 kW, the output series covers a wide spectrum of applications. The AquaMaster heat pump works with very high efficiency and extreme operating reliability. Owing to the outgoing water temperature level even at 60 °C, this design is suitable also for the old house reconstruction projects. Another advantage consists in its extremely low-noise compressor, which is mounted on an anti-vibration frame; therefore, the equipment can be situated at any place without bothering about its noise. AquaMaster is a well-proven product offering high-quality brand compressors, modern technology and control system, extensive basic and optional accessories and - first of all - an excellent cost-to-value ratio.							
power	Heat pumps, 3ph			Options			
BOW35	type	compressor		order nr.	type	order nr.	
6,6 kW	AquaMaster-17ZE-2010	Sanyo, 3x400V	1200x530x720mm	140kg 3AQ17Z10	Expansion board	1OEKV	
7,8 kW	AquaMaster-22ZE-2010	Sanyo, 3x400V	1200x530x720mm	140kg 3AQ22Z10	PGD_add_wall_mounted	1OPGD	
10,1 kW	AquaMaster-26ZE-2010	Sanyo, 3x400V	1200x530x720mm	160kg 3AQ26Z10	Internet HP control	1OpCOWeb	
11,4 kW	AquaMaster-30ZE-2010	Sanyo, 3x400V	1200x530x720mm	165kg 3AQ30Z10	Desuperheater	1ODESUP	
14,1 kW	AquaMaster-37ZE-2010	Sanyo, 3x400V	1200x530x720mm	180kg 3AQ37Z10	Full_cooling	1AQZR	
17,2 kW	AquaMaster-45ZE-2010	Sanyo, 3x400V	1200x530x720mm	190kg 3AQ45Z10	Terminal pAD	1OPAD	
18,5 kW	AquaMaster-50ZE-2010	Sanyo, 3x400V	1200x530x720mm	200kg 3AQ50Z10	Terminal pADh_cooling	1OPADH	
22,8 kW	AquaMaster-60ZE-2010	Sanyo, 3x400V	1200x530x720mm	245kg 3AQ60Z10	AQ_Electric_heater_4,5kW	1OEKOT45	
26,7 kW	AquaMaster-75ZE-2010	Sanyo, 3x400V	1200x530x720mm	255kg 3AQ75Z10	AQ_Electric_heater_6,0kW	1OEKOT60	
31,4 kW	AquaMaster-92ZE-2010	Sanyo, 3x400V	1200x530x720mm	275kg 3AQ92Z10	AQ_Electric_heater_7,5kW	1OEKOT75	
double compressors units					Softstart_15A	1OSS15	
46,8 kW	AquaMaster-120.2ZG-2010	Sanyo, 3x400V	1200x1020x720mm	420kg 3AQ120.2Z10	Softstart_25A	1OSS25	
57,7 kW	AquaMaster-150.2ZG-2010	Sanyo, 3x400V	1200x1020x720mm	420kg 3AQ150.2Z10	Three_phase_relay	1OSF	
64,4 kW	AquaMaster-180.2ZG-2010	Sanyo, 3x400V	1200x1020x720mm	420kg 3AQ180.2Z10	Water to water version	1OAQWW	
Heat pumps, 1ph					Refrigerant R134a	1O134a	
6,6 kW	AquaMaster-17Z1E-2010	Sanyo, 1x220V	1200x530x720mm	140kg 3AQ17Z110	Internal_unit (red, grey colour)		
7,8 kW	AquaMaster-22Z1E-2010	Sanyo, 1x220V	1200x530x720mm	140kg 3AQ22Z110			
10,1 kW	AquaMaster-26Z1E-2010	Sanyo, 1x220V	1200x530x720mm	160kg 3AQ26Z110			
11,4 kW	AquaMaster-30Z1E-2010	Sanyo, 1x220V	1200x530x720mm	165kg 3AQ30Z110			
14,1 kW	AquaMaster-37Z1E-2010	Sanyo, 1x220V	1200x530x720mm	180kg 3AQ37Z110			
Standard equipment							
Graphic terminal PGD							
Electronically controlled coolant injection							
Equithermal control system							
Controlling of the pump ring, mixing pump ring (or pump ring) and service water ring							
Heat pumps with direct evaporating are no reversible							





AquaMaster Inverter		Advanced technology with outstanding operating parameters				BRINE TO WATER (water to water)	
The earth to water (water to water) heat pump of inverter type with the most achievable efficiency level of heating or cooling, as applicable. The LG compressor with the frequency inverter is continuously adapting its output to the building's current heating demand, and owing to this, the heating system does not require any installation of the reservoir tank. The combination of the inverter technology, electronic expansion valve and equithermal control system, newly extended with the possibility of on-line temperature compensation of the heating curve brings about uniquely high heating performance factors at all operating modes along with significant operating cost savings, reduction in the compressor load, extended lifetime and improved reliability. These top parameters of the AquaMaster Inverter heat pump have been awarded with the prize of Grand Prix For Arch 2008.							
power	Heat pumps				Options		
BOW35	type	compressor		order nr.	type	order nr.	
3 - 8 kW	InverterAQM-22IE-2010	LG, 1x220V	1200x530x720mm	140kg 3AQ22I10	Expansion board	1OEK	
5 - 12 kW	InverterAQM-30IE-2010	LG, 1x220V	1200x530x720mm	165kg 3AQ30I10	PGD_wall_mounted	1OPGD	
6 - 17 kW	InverterAQM-45IE-2010	LG, 3x400V	1200x530x720mm	190kg 3AQ45I10	Internet HP control	1OpCOWeb	
<div></div> <div></div> <div></div> <div>Standard equipment Graphic terminal PGD Special compressor with continuous speed control Equithermal control system Electronically controlled coolant injection No accumulation tank required</div>				Desuperheater	1ODESUP		
				Full_cooling	1AQZR		
				Terminal_pAD	1OPAD		
				Terminal_pADh_cooling	1OPADH		
				AQ_Electric_heater_4,5kW	1OEKOT45		
				AQ_Electric_heater_6,0kW	1OEKOT60		
				AQ_Electric_heater_7,5kW	1OEKOT75		
				Water to water version	1OAQWW		
				Internal_unit (red, grey colour)			



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