



Green Line

Join the Hotjet Green Tree

project, let us plant

„your tree“
for you



By purchasing the first heat pump in the HOTJET Green Tree product range, you are joining the group of customers supporting products which, while in operation, employ renewable energy contained in the ground, water or air.

You will rank among those who install or utilise products which feature more environmentally friendly operating parameters compared to other heat sources, e. g. gas, electric, oil or coal-fired boilers.

Thus, you will significantly contribute to maintaining and protecting a clean environment. Thanks to your purchase, a

NEW TREE will be planted in co-operation with HOTJET Green Tree partners.

HOTJET CZ s.r.o is one of the leaders heat pumps manufacturer on the Czech and Slovak heat pump markets. The success has been achieved by combining uncompromising performance, quality and value.



The company headquarters and manufacturing facility are located in Bolatice near to Ostrava.

The product lines include water-to-air, water-to-water, ground-to-water and split units, ranging from economical solutions to industrial applications, developed by the company's own R&D department.

All parts were designed with respect to the current development and technological trends and in cooperation with partners Emerson, Danfoss, Swep and Siemens.

Product design is enhanced by leading Czech designers in line with current European trends. Hotjet heat pumps are fully certified and leave production plant with the TÜV SÜD quality label. But Hotjet its not only heat pumps its its GREEN TREE project too. Follow us taking part in this project, let us plant YOUR OWN TREE.

Tama Mladova
Export manager

If our Green Tree project appeals to you and you are happy with our heat pump, do not hesitate to pass the information on the project to your friends and business partners or register with the Hotjet website at GREEN_tree_PROJECT@hotjet.eu

Thank you.

HOTJET CZ, s.r.o.
Bolatice Production Plant
Průmyslová 966/21
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Czech Republic

Several facts on trees:

- * An average healthy tree produces within one hour the same amount of oxygen which is, by estimation, sufficient for at least 2 people for the whole day.
- * Trees cleanse the atmosphere – 2.5 acres of planted trees are capable of ingesting over 30 tons of fly ash during the lifetime.
- * Trees act as a noise barrier – they absorb at least one quarter of all noise.
- * Trees provide flood protection - they take in water and then release it slowly.
- * Trees cool the landscape; they increase and maintain air humidity.
- * Being surrounded by greenery soothes stress and has a positive impact on the state of mind.

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Using the outside air as an energy source.
Heat pump air-water Hotjet ASK the ideal
for a new buildings without the space inside.

Compact unit
Outdoor installation
Stainless steel cabinet
The maximum flow temperature to 55 °C,
EVI compressor 65 °C
Cooling option
Efficient operation to -25 °C
Bivalent 7.5 kW inside optional
Extremely quiet axial fan
Central control of heating and heating of DHW
Suitable for floor and radiator systems
Wired and wireless control

Integrated as standard:

1. The Electric switchboard
2. Cable 5 m standardly integrated
3. The controller Siemens basic RVS41

MODEL	8ask	11ask	15ask (EVI)	18ask (EVI)	21ask (EVI)
Performance data					
Power output / Power input / COP					
A7/W35	8,8 / 2,0 / 4,4	11,4 / 2,6 / 4,4	13,2 / 3,0 / 4,4	16,2 / 3,7 / 4,4	18,4 / 4,2 / 4,4
A2/W35	7,6 / 2,0 / 3,8	9,9 / 2,6 / 3,8	11,5 / 3,0 / 3,8	14,1 / 3,7 / 3,8	16,0 / 4,2 / 3,8
A7/W45	8,4 / 2,4 / 3,5	11,3 / 3,2 / 3,5	13,0 / 3,7 / 3,5	15,8 / 4,5 / 3,5	18,3 / 5,2 / 3,5
A2/W45	7,4 / 2,4 / 3,1	9,9 / 3,2 / 3,1	11,4 / 3,7 / 3,1	13,9 / 4,5 / 3,1	16,0 / 5,2 / 3,1
Cooling power					
A35/W7	5,5	7,5	8,8	11,1	12,6
A35/W20	8,1	10,8	12,8	15,9	17,9
Technical data					
Temperature operating limits for air			-20 °C to 35 °C		
Temperature limit of heating system			+20 to +55 °C (EVI +15 to +65 °C)		
Heating and reversing water communication pipe			1"		
Heating water flow rate	1,3 m ³ /h	1,5 m ³ /h	1,8 m ³ /h	2,6 m ³ /h	3 m ³ /h
Pressure loss			< 20 kPa		
Protection against freezing water heating			Yes		
Air flow rate		3 000 m ³ /h		4 500 m ³ /h	
Refrigerant circuit					
Refrigerant type			R404A (EVI R407c)		
Refrigerant quantity (Kg)	2,6	2,8	2,8	2,9	2,9
Defrosting			Automatic		
Type of defrosting			Cycle reversal		
Technical information, weight					
Dimensions (W x D x H)			1275 x 503 x 1110 mm		
Weight	145	145	150	155	160
Installation site			Outdoor		
Cabinet			Stainless steel		
Degree of protection (EN 60 529)			IP 43		
Electrical connection			a/N/PE ~400 V, 50 Hz (230 V / 1 phase optionally)		
Power supply			400V / 3 / 50 Hz		
Type of compressor			Copeland scroll (EVI)		
Nominal current (A)	4,5	5	5,8	9	9,1
Starting current (A)	18	20	23	36	36,4
Maximum current (A)	6,5	7	8,8	12,8	13,1
Fusing [A]	16 B	16 B	16 B	20 B	20 B
Compressor supply line (n x mm ²)			5 x 2,5		
Noise level					
Sound power level dB(A)			< 61		
Sound pressure level at 1 m dB(A)			< 57		
Equipment					
Siemens controller RVS41			Siemens RVS41 (optionally RVS61)		
Operator panel AVS37 on the device			yes		
Wireless device QAA78			optional		
Softstart unit			optionally Danfoss		
Integration into cascade			Up to 16 heat pumps or mixed sources ase supported		

Heat output and COP according to EN 14511 at A2/W35 (A2 = air intake temperature +2 °C, W35 = heating water outlet temperature +35 °C).

New models of heat pumps, brine-water and water-water, bringing an entirely new body design, the cooling circuit and control electronics.



Compact size with installation options for the wall
Indoor installation
Guard cover is made of power coating
Effective corrosion protection
The maximum flow temperature to 55 °C, with R134 75 °C.
Support for passive cooling or compressor
The heat source is ground collector, borehole or well
Central control of heating and heating of DHW
Suitable for floor and radiator systems
The compact design has a small space requirement (0.35 m² floor plan)

Integrated as standard:

1. The Electric elements
2. The controller Siemens basic RVS41

MODEL	9W	12W	16W	20W	33W	55W
Performance data						
	Power output / Power input / COP					
B0/W35	7,5 / 1,63 / 4,6	10,4 / 2,26 / 4,6	16,0 / 3,48 / 4,6	19,2 / 4,17 / 4,6	32,0 / 6,96 / 4,6	46,0 / 11,4 / 4,0
B0/W45	7,1 / 2,05 / 3,5	10,0 / 2,89 / 3,5	15,0 / 5,33 / 3,5	18,1 / 5,23 / 3,5	30,2 / 8,73 / 3,5	41,0 / 14,8 / 2,8
W10/W35	10,4 / 1,62 / 6,4	14,7 / 2,29 / 6,4	22,3 / 3,48 / 6,4	26,3 / 4,10 / 6,4	44,0 / 6,86 / 6,4	67,0 / 11,9 / 5,6
W10/W45	9,8 / 2,03 / 4,8	13,8 / 2,86 / 4,8	20,9 / 4,33 / 4,8	24,5 / 5,07 / 4,8	41,0 / 8,49 / 4,8	49,0 / 15,5 / 3,2
Cooling power						
B15/W23	5,6	7,8	11,9	14,3	23,8	34,3
Technical data						
Temperature limit of primary side	-10 °C to +30 °C					
Temperature limit of heating system	+15 °C to +55 °C					
Heating and reversing water communication pipe	1" (3/4")			2"		
Volume rate of flow, primary side (m ³ /h)	1,1	1,8	2,6	3,0	4,4	7,9
Water passage through the heating circuit (m ³ /h)	1,0	1,6	2,3	2,7	4,2	7,2
Head loss, heating side	< 20 kPa			< 30 kPa		
Head loss, primary side	< 25 kPa			< 35 kPa		
Protection of heating water against freeze-up	yes					
Refrigerant circuit						
Refrigerant type	R407C / R134A					
Refrigerant quantity (Kg)	1,8	2,2	2,5	2,6	4	6
Technical information, weight						
Dimensions (W x D x H)	650 x 563 x 1110 mm			630 x 580 x 1080 mm 890 x 740 x 1115 mm		
Weight (kg)	103	103	112,5	114	115	267
Installation site	Indoor					
Cabinet	Powder coat, galvanized sheet, cataphoresis					
Degree of protection (EN 60 529)	IP 24					
Electrical connection						
Power supply	400V / 3 / 50 Hz					
Type of compressor	Copeland scroll					
Nominal current [A]	4,5	5,8	9	9,1	17,9	25
Starting current [A]	18	23	36	38	55	80
Maximum current [A]	6,5	8,8	12,8	13,1	20,4	27
Fusing [A]	16B	16B	20B	20B	32B	40B
Compressor supply line (n x mm ²)	5 x 1,5		5 x 2,5		5 x 6	
Noise level						
Sound power Lw [dB(A)]	< 50			< 60		
Sound pressure Lp [dB(A)]	< 40			< 50		
Equipment						
Siemens controller RVS41	Siemens RVS41 (optionally RVS61)					
Operator panel AVS37 on the device	yes					
Wireless device QAA78	optional					
Soft start unit	optionally Danfoss (Siemens)					
Integration into cascade	Up to 16 heat pumps or mixed sources are supported					

Heat output and COP according to EN 14511 at B0/W35 (B0 = brine inlet temperature 0 °C, W35 = heating water outlet temperature +35 °C).
Heat output and COP according to EN 14511 at W10/W35 (W10 = ground water inlet temperature +10 °C, W35 = heating water outlet temperature +35 °C).



Using the outside air as an energy source.

Designers of the HOTJET i manage to fit heat pumps in any small spaces of 0.5 m³. HOTJET i can be installed in house interiors, e.g. in cellars, garages or in spaces for a building equipment. Atmospheric air is supplied and drained by air lines through a wall.

Compact unit
Indoor installation
Guard cover is made of stainless steel sheet or powder coating
The maximum flow temperature to 55 °C.
Sound-optimised through low-noise axial-flow fan
Central control of heating and heating of DHW
Suitable for floor and radiator Systems
Wired and wireless control

Integrated as standard:

1. The Electric elements
2. The controller Siemens basic RVS41



MODEL	HOTJET 8i	HOTJET 11i	HOTJET 15i
Performance data		Power output / Power input / COP	
A7/W35	7,8 / 2,04 / 3,8	9,3 / 2,45 / 3,8	10,8 / 2,79 / 3,8
A2/W35	7,2 / 2,01 / 3,6	8,6 / 2,39 / 3,6	10,1 / 2,76 / 3,6
A7/W45	7,4 / 2,46 / 3,0	8,8 / 2,93 / 3,0	10,3 / 3,39 / 3,0
A2/W45	6,6 / 2,46 / 2,7	8,0 / 2,96 / 3,0	9,3 / 3,44 / 2,7
Technical data			
Temperature operating limits for air	-10 °C to +35 °C		
Temperature limit of heating system	+15 °C to +55 °C		
Heating and reversing water communication pipe	3/4"		
Heating water flow rate	1,3 m ³ /h	1,5 m ³ /h	1,8 m ³ /h
Head loss, heating side	< 20 kPa		
Protection against freezing water heating	yes		
Air flow rate	2 200 m ³ /h	2 200 m ³ /h	2 200 m ³ /h
Air channel diameter	400 mm		
Refrigerant circuit			
Refrigerant type	R404A		
Refrigerant quantity (Kg)	2,1	2,3	2,4
Defrosting	Automatic		
Type of defrosting	Cycle reversal		
Heating of the condensate bulk tank	yes		
Condensate drainage	By a hose		
Technical information, weight			
Dimensions (W x D x H)	1105 x 655 x 955 mm		
Weight (kg)	215 kg		
Installation site	Indoor		
Cabinet	Powder coat, galvanized sheet, cataphoresis		
Degree of protection (EN 60 529)	IP 40		
Electrical connection		3/N/PE ~400 V, 50 Hz (230 V / 1 phase optionally)	
Power supply	400 V / 3 / 50 Hz		
Type of compressor	Copeland scroll		
Nominal current (A)	4,5	5	5,8
Starting current (A)	18	20	23
Maximum current (A)	6,5	7	8,8
Fusing (A)	16B	16B	16B
Compressor supply line (n x mm ²)	5 x 2,5		
Noise level			
Sound power Lw [dB(A)]	< 50		
Sound pressure Lp [dB(A)]	< 37		
Equipment			
Siemens controller RVS41	Siemens RVS41 (optionally RVS61)		
Operator panel AVS37 on the device	yes		
Wireless device QAA78	optional		
Softstart unit	optionally Danfoss		
Integration into cascade	Up to 16 heat pumps or mixed sources are supported		

Heat output and COP according to EN 14511 at A2/W35 (A2 = air intake temperature +2 °C, W35 = heating water outlet temperature +35 °C).

Split system using the outside air as an energy source the compressor is inside the house and the refrigerant temperature in the connecting pipe is low, the evaporator can be placed 20 meters away in the garden and to eliminate the noise problems and needed a place.

Indoor and outdoor unit connected with refrigerant circuit
 The maximum flow temperature to 55 °C
 Cooling option
 Outdoor unit is made of stainless steel cabinet
 Indoor unit is made of power coating
 Remarkably low sound level
 Central control of heating and heating of DHW
 It is suitable for floor and radiator Systems
 Wired and wireless control
 35S optimal 2 evaporators
 50S standard 2 evaporators

Integrated as standard:

1. The Electric elements
2. Cable 5 m standardly integrated
3. The controller Siemens basic RVS41



MODEL	8s	11s	15s	18s	22s	35s	50s
Performance data							
	Power output / Power input / COP						
A7/W35	8,8 / 2,0 / 4,4	11,4 / 2,6 / 4,4	13,2 / 3,0 / 4,4	16,2 / 3,7 / 4,4	18,4 / 4,2 / 4,4	28,8 / 6,56 / 4,4	40,7 / 9,3 / 4,4
A2/W35	7,6 / 2,0 / 3,8	9,9 / 2,6 / 3,8	11,5 / 3,0 / 3,8	14,1 / 3,7 / 3,8	16,0 / 4,2 / 3,8	25,1 / 6,57 / 3,8	35,4 / 9,3 / 3,8
A7/W45	8,4 / 2,4 / 3,5	11,3 / 3,2 / 3,5	13,0 / 3,7 / 3,5	15,8 / 4,5 / 3,5	18,3 / 5,2 / 3,5	27,2 / 7,7 / 3,5	38,9 / 11,1 / 3,5
A2/W45	7,4 / 2,4 / 3,1	9,9 / 3,2 / 3,1	11,4 / 3,7 / 3,1	13,9 / 4,5 / 3,1	16,0 / 5,2 / 3,1	23,8 / 7,7 / 3,1	34,1 / 11,1 / 3,1
Technical data							
Temperature operating limits for air	-20 °C to +35 °C						
Temperature limit of heating system	+12 °C to 60 °C R407C / + 6°C +55 °C R404A						
Heating and reversing water communication pipe	1"			2"			
Heating water flow rate	1,3 m³/h	1,5 m³/h	1,8 m³/h	2,6 m³/h	3 m³/h	4,2 m³/h	7 m³/h
Pressure loss of heating Party	< 20 kPa			< 30 kPa			
Protection against freezing water heating	yes						
Refrigerant circuit							
Refrigerant type	R407C / R404A						
Refrigerant quantity (Kg)							
Defrosting	automatic						
Type of defrosting	Cycle reversal						
Technical information, weight							
Dimensions (W x D x H) Indoor unit	650 x 563 x 1110 mm					890 x 740 x 1380 mm	
Number of evaporators	1		1 (option 2x fans)			2 (option 3x fans)	
Dimensions (W x D x H) outdoor unit	1075 x 630 x 1110					1275 x 630 x 1110 mm	
Weight (kg) - indoor unit	110	110	115	120	125	185	205
Weight (kg) - outdoor unit			90	190			285
Installation	Split system						
Corrosion protection inside the unit	Powder coat, galvanized sheet, cataphoresis						
Anticorrosive protection of the outdoor unit	stainless steel, unvarnished Sheets						
Degree of protection (EN 60 529)	IP 43						
Electrical connection							
	3/N/PE ~400 V, 50 Hz (230 V / 1 phase optionally)						
Power supply	400 V / 3 / 50 Hz						
Type of compressor	Copeland scroll						
Nominal current (A)	4,5	5,8	7	9	9,1	17,9	25
Starting current (A)	18	20	23	36	36,4	55	80
Maximum current (A)	6,5	7	8,8	12,8	13,1	20	30
Fusing [A]	16B	16B	16B	20B	20B	32A char B	40A char C
Compressor supply line (n x mm²)	5 x 1,5	5 x 1,5	5 x 1,5	5 x 1,5	5 x 2,5	5 x 4	5 x 10
Noise level							
Sound power Lw [dB(A)]	< 50			< 60			
Sound pressure Lp [dB(A)]	< 40			< 50			
Equipment							
Siemens controller RVS41	Siemens RVS41 (optionally RVS61)						
Operator panel AVS37 on the device	yes						
Wireless device QAA78	optional						
Softstart unit	optionally Danfoss (Siemens)						
Integration into cascade	Up to 16 heat pumps or mixed sources are supported						

Heat output and COP according to EN 14511 at A2/W35 (A2 = air intake temperature +2 °C, W35 = heating water outlet temperature +35 °C).

HOTJET launches new range of heat pumps, economy solution airwater model represented by HOTJET ONE 15. Series one is a brand new generation of heat pumps that are cost-optimized, while a high COP, low noise and a sophisticated control Siemens.

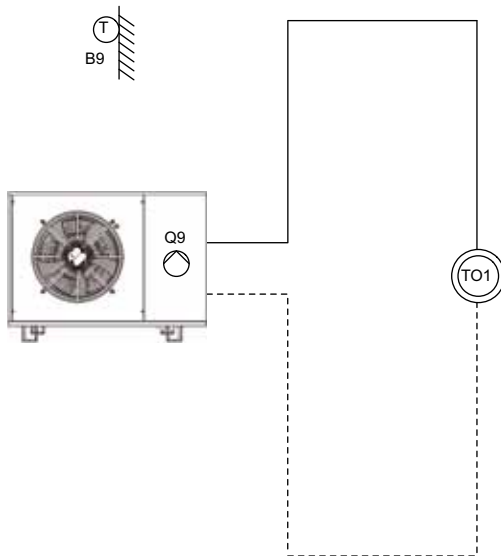
Compact unit
Outdoor installation
Guard cover is made of powder coating
Efficient corrosion protection
The maximum flow temperature to 55 °C, EVI compressor 65 °C
Efficient operation to -20 °C
Silent low speed fan with a diameter of 630 mm.
Cooling option

Integrated as standard:

1. The Electric elements
2. Room and operator unit wired QAA75
3. The controller Siemens basic RVS21
4. Circulation pump Grundfos UPS 25-70



Easy solution



Room thermostat and operation unit QAA75

MODEL	8ask (EVI)	15ask (EVI)	18ask (EVI)
Performance data			
	Power output / Power input / COP		
A7/W35	8,8 / 2,0 / 4,4	13,2 / 3,0 / 4,4	16,2 / 3,7 / 4,4
A2/W35	7,6 / 2,0 / 3,8	11,5 / 3,0 / 3,8	14,1 / 3,7 / 3,8
A7/W45	8,4 / 2,4 / 3,5	13,0 / 3,7 / 3,5	15,8 / 4,5 / 3,5
A2/W45	7,4 / 2,4 / 3,1	11,4 / 3,7 / 3,1	13,9 / 4,5 / 3,1
Cooling power			
A35/W7	5,5	8,8	11,1
A35/W20	8,1	12,8	15,9
Technical data			
Temperature operating limits for air	-20 °C to +35 °C		
Temperature limit of heating system	+25 °C to +55 °C (EVI: +15 °C to +65 °C)		
Heating and reversing water communication pipe	1"		
Heating water flow rate	1,3 m³/h	2 m³/h	2,6 m³/h
Pressure loss	8 kPa		
Protection against freezing water heating	yes		
RG Air flow rate	3 000 m³/h		4 500 m³/h
Refrigerant circuit			
Refrigerant type	R407C		
Defrosting	Automatic		
Type of defrosting	Cycle reversal		
Heating of the condensate bulk tank	yes		
Technical information, weight			
Dimensions (W x D x H)	1275 x 550 x 952 mm		
Weight (kg)	145		
Installation site	Outdoor		
Cabinet	Powder coat, galvanized sheet, cataphoresis		
Degree of protection (EN 60 529)	IP 43		
Electrical connection	3/N/PE ~400 V, 50 Hz (230 V / 1 phase optionally)		
Power supply	400 V / 3 / 50 Hz		
Type of compressor	EVI: Sanyo scroll		
Nominal current (A)	4,5	5,8	9
Starting current (A)	18	23	36
Maximum current (A)	6,5	8,8	12,8
Fusing (A)	16B	16B	20B
Compressor supply line (n x mm²)	5 x 2,5		
Noise level			
Sound power Lw [dB(A)]	< 61		
Sound pressure Lp [dB(A)]	< 57		
Equipment			
Siemens controller RVS41	yes		
Operator panel AVS37 on the device	yes		
Wireless device QAA78	optional		
Softstart unit	optionally Danfoss		
Condensate Pump	Grundfos UPS 25-70		



HOTJET heat pumps
ON-LINE system make possible
24 hours service through internet

Checking system



Webserver



Remote and local control and diagnostic in the LPB / BsB bus

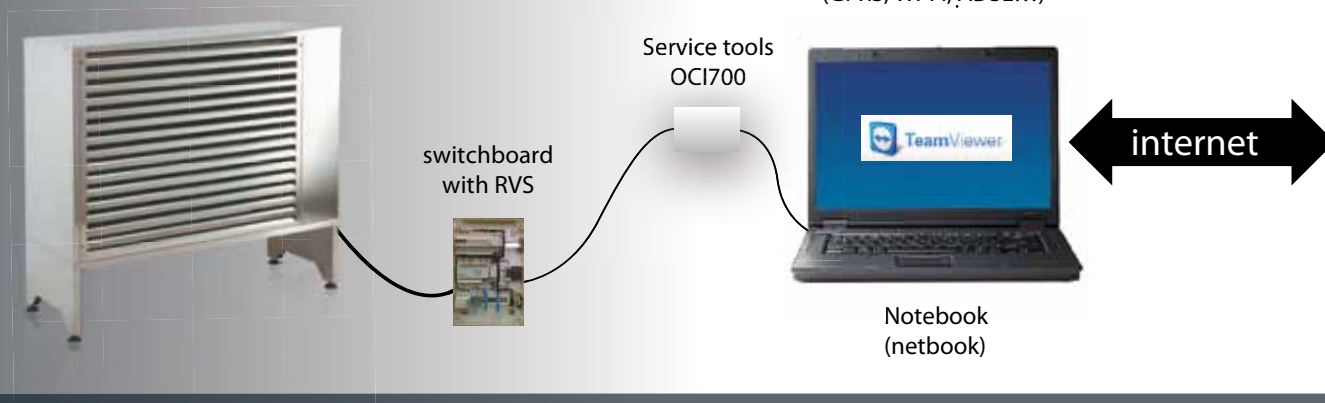
- Control via Web browser
- Control via SMS commands
- Alarms

Version

- OZS164.13/101 Web Control
- OZS164.23/101 Web Control and SMS Control

Remote Installation Support

(using OCI700)



Service tool: OCI700



Options

- Setting all parameters of RVs
- Offline preparation of configuration without connection
- Archiving controller setting
- Cloning of parameters between the regulators
- Logging of any data
- Visualization of the boiler room (boiler automatic generation scheme, the user can change)
- Protocol on the commissioning
- Easily sending of configuration file via e-mail (about 1MB)
- Alarms and batch processing
- In the case of multiple RVs on the bus is displayed at once

Case contains

- Transmitter LPB/ BsB to UsB
- Cables
- Software (free updates on the Internet)

hotjet 
heat pumps manufacturer



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