



HEAT PUMPS FOR HEATING MONO/SINGLE EXCLUSIVE DUO/DOUBLE EXCLUSIVE AIR-TO-WATER HIGH TEMPERATURE VERSIONS

A COMPLETE HEATING SOLUTION

Orca Mono/Single Exclusive Series and Duo/Double Exclusive Series

enables you to heat space and water. Warm water of the Duo/Double heat pump is heated in the built-in 200 or 300 litre hot water tank, which means that an additional room is not required for it. A wide range of versions enables you to heat any kind of living spaces, from older or new buildings. Versions with the possibility of connections to solar power systems are also available.

Orca Mono/Single Heat Pumps are available in a classical and XL version. The latter enables heating of larger areas since it is equipped with a larger heat exchanger with 23 kW of outdoor unit performance.

Orca Duo/Double 200 is ideal for households of two to four people, because of its 200 litre hot water tank.

Orca Duo/Double 300 is a very capable heating system intended for households with more than four family members. The built-in 300L hot water tank will ensure that there is enough hot water for the entire family, while there are various versions for different heating systems and living areas.

Orca Duo/Double 300 Solar has the same properties as the Duo/Double 300, however, it also enables connection to solar panels with an additional heat exchanger with a surface area of 1.3 m². Thus heating costs can be further reduced.

Your seller

Savings

- Space and water heating without an electric heater in outdoor temperatures as low as -28°C
- Complete heating output to -15°C.
- Weather-responsive control.

Comfort

- Simple control menu.
- Intelligent control: set up three heating circuits according to the indoor and outdoor temperature.
- Set up multiple time intervals including 'Party', 'Eco' and 'Holiday' programs.
- Room air conditioning.

Safety and Security

- Active Legionella protection.
- 5-year hot water tank warranty.
- Possibility of automatic switchover to different heating source (bivalent heating).



HEATING ENERGY CLASS
A++
DEVICE'S SEASONAL EFFICIENCY

OPERATE IN OUTSIDE TEMPERATURES AS LOW AS
-28°C
WITHOUT AN ELECTRIC HEATER

5 YEAR WARRANTY ON HOT WATER TANK

A small change.
Big savings.
orcaenergy.eu

HIGH TEMPERATURE VERSIONS

Suitable for radiator heating in larger buildings, larger, older and poorly-insulated buildings.



OUTDOOR UNIT	MITSUBISHI ELECTRIC ZUBADAN					FUJITSU HIGH POWER				
Heating	to -28°C					to -25°C				
Output water temperature	60 °C					60 °C				
Cooling	to +46 °C					to +43 °C				
Outdoor unit	PUHZ-SHW80 VHA	PUHZ-SHW112 VHA	PUHZ-SHW112 YHA	PUHZ-SHW140 YHA	PUHZ-SHW230 YKA	WOYG 112LCTA	WOYK 112LCTA	WOYG 140LCTA	WOYK 140LCTA	WOYK 160LCTA
Heat output (kW) Minimal/Nominal/Maximal	4,4/8/12,3	5,5/11,2/14,8	5,5/11,2/14,8	5,5/14/16,4	11,4/23/27,9	3,9/11,2/13,4	3,9/11,2/13,4	4,9/14/16,8	4,9/14/16,8	5,6/16/19,2
Heating surface (A-15/W35) ⁵	200 m ²	280 m ²	280 m ²	350 m ²	575 m ²	250 m ²	250 m ²	280 m ²	280 m ²	350 m ²
C.O.P. (A7/W35)	4,83	4,83	4,83	4,82	4,5	4,94	4,94	4,93	4,93	4,91
Voltage	1Ph/230 V	1Ph/230 V	3Ph/400 V	3Ph/400 V	3Ph/400 V	1Ph/230 V	3Ph/400 V	1Ph/230 V	3Ph/400 V	3Ph/400 V
Fuse	1×32 A	1×40 A	3×16 A	3×16 A	3×32 A	1×25 A	3×16 A	1×32 A	3×16 A	3×16 A
Power cable	3×6 mm ²	3×6 mm ²	5×2,5 mm ²	5×2,5 mm ²	5×6 mm ²	3×4 mm ²	5×2,5 mm ²	3×6 mm ²	5×2,5 mm ²	5×2,5 mm ²
Dimensions of gas connections	3/8", 5/8"	3/8", 5/8"	3/8", 5/8"	3/8", 5/8"	1/2", 3/4"	3/8", 5/8"	3/8", 5/8"	3/8", 5/8"	3/8", 5/8"	3/8", 5/8"
Maximum height difference IU-OU (m)	30	30	30	30	30	15	15	15	15	15
Length of gas connection IU-OU (m)	2 - 75	2 - 75	2 - 75	2 - 75	2-80	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20
Pre-charged gas up to the length of the gas connection (m)	30	30	30	30	30	10	10	10	10	10
Filling of gas above the pre-charged length (g/m)	60	60	60	60	120	50	50	50	50	50
Heating medium's nominal flow (l/min)	22,9	32,1	32,1	40,1	65,9	29,3	29,3	36,5	36,5	41,1
Weight	120 kg	120 kg	134 kg	134kg	148 kg	92 kg	99 kg	92 kg	99 kg	99 kg
Weight W×D×H (cm)	95×33×135	95×33×135	95×33×135	95×33×135	105×33×134	90×33×129	90×33×129	90×33×129	90×33×129	90×33×129

INDOOR UNIT	MONO					MONO XL	SINGLE				
Product number (set)	11204 +10731	10647 +9858	10647 +10702	10647 +10705	10720 +10730	10262 +10744	10262 +11292	10262 +10745	10262 +10665	10262 +10639	
Dimensions of gas connections	3/8", 5/8"					1/2", 3/4"	3/8", 5/8"				
Dimensions of connections for the heating system	1"					1"	1"				
Built in circulation pump	Circulating pump - energy class A					Circulating pump - energy class A	Circulating pump - energy class A				
Electric heater	3×3 kW					3×3 kW	3×3 kW				
Heat exchanger	Sweep					Sweep	Sweep				
Switchover heating-water heating	Integrated					Integrated	Integrated				
Dimensions (H×W×D)	900×600×400 mm					900×600×400 mm	900×600×400 mm				
Weight	80 kg					85 kg	80 kg				

INDOOR UNIT	DUO 200					DOUBLE 200					
Product number (set)	11205 +10731	10714 +9858	10714 +10702	10714 +10705		10716 +10744	10716 +11292	10716 +10745	10716 +10665	10716 +10639	
Hot water tank volume	200 L					-	200 L				
Dimensions of gas connections	3/8", 5/8"					-	3/8", 5/8"				
Dimensions of heating system connections	1"					-	1"				
Dimensions of hot water connections	1" (3/4 circulation)					-	1" (3/4 circulation)				
Built in circulation pump	Circulating pump - energy class A					-	Circulating pump - energy class A				
Switchover heating - hot water	Integrated					-	Integrated				
Electric heater	3×3 kW					-	3×3 kW				
Heat exchanger	Sweep					-	Sweep				
Dimensions (H×W×D)	142×60×78					-	142×60×78				
Weight	180 kg					-	180 kg				

INDOOR UNIT	DUO 300 / DUO 300 SOLAR					DUO 300 XL / DUO 300 XL SOLAR	DOUBLE 300 / DOUBLE 300 SOLAR				
Product number (set)	11206 +10731	10514 +9858	10514 +10702	10514 +10705	10718 +10730	10261 +10744	10261 +11292	10261 +10745	10261 +10665	10261 +10639	
Product number - solar (set)	11207 +10731	10591 +9858	10591 +10702	10591 +10705	10719 +10730	10667 +10744	10667 +11292	10667 +10745	10667 +10665	10667 +10639	
Hot water tank volume	300 L					300 L	300 L				
Dimensions of gas connections	3/8", 5/8"					1/2", 3/4"	3/8", 5/8"				
Dimensions of heating system connections	1"					1"	1"				
Dimensions of hot water connections	1" (3/4 circulation)					1" (3/4 circulation)	1" (3/4 circulation)				
Built in circulation pump	Circulating pump - energy class A					A energijska o. č.	Circulating pump - energy class A				
Switchover heating - hot water	Integrated					Integrated	Integrated				
Electric heater	3×3 kW					3×3 kW	3×3 kW				
Heat exchanger	Sweep					Sweep	Sweep				
Dimensions (H×W×D)	182×60×78					182×60×78	182×60×78				
Weight	235 kg					240 kg	235 kg				
Weight (Solar)	255 kg					260 kg	255 kg				
Device's seasonal efficiency class in average climate conditions W35	A ⁺⁺	A ⁺⁺	A ⁺⁺	A ⁺⁺	A ⁺⁺	A ⁺⁺	A ⁺⁺	A ⁺⁺	A ⁺⁺	A ⁺⁺	
Device's seasonal efficiency class in average climate conditions W55	A ⁺	A ⁺	A ⁺	A ⁺	A ⁺	A ⁺	A ⁺	A ⁺	A ⁺	A ⁺	
Device's seasonal efficiency in average climate conditions W35 (η _s)	171	167	167	164	164	154	154	150	150	149	
Device's seasonal efficiency in average climate conditions W55 (η _s)	131	128	128	124	124	112	112	117	117	117	
Use of hot water cycle DUO 200	L	L	L	L	L	L	L	L	L	L	
Use of hot water cycle DUO 300	XL	XL	XL	XL	XL	XL	XL	XL	XL	XL	
Sanitary water heating energy class	A	A	A	A	A	A	A	A	A	A	