

### 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 power range from 4 to 12kW and enables water heating in an existing hot water tank.

**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 -25 °C • High output water temperatures: up to 60 °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).



A small change. Big savings. orcaenergy.eu

# LOW TEMPERATURE VERSIONS

**Suitable for** underfloor/wall/overhead heating and water heating, new and well-insulated buildings, buildings with large heating surfaces.

DUTDOOR UNIT								FUJITSU COMFORT	14		
leating	POWER INVERTER		to -25 °C			dillo		to -25 °C			
Dutput water temperature	to -20 °C 60 °C		60 °C					55 °C		and a	
ooling	to +46 °C		to +46 °C	-	A ATT			to +43 °C			
utdoor unit	SUHZ- SW45	PUHZ- SW50	PUHZ- SW75	PUHZ- SW100	PUHZ- SW100	PUHZ- SW120	PUHZ- SW120	WOYA 060LFCA	WOYA 080LFCA	WOYA 100LFTA	
leat output (kW)	<b>VAH</b> 2,2/ <b>4</b> /6,4	2,3/ <b>5</b> /7,3	VHA 3,8/ <b>7,5</b> /10,2	VHA 5,4/10/14,8	<b>YHA</b> 5,4/ <b>10</b> /14,8	VHA 5,8/ <b>12</b> /17,3	<b>YHA</b> 5,8/ <b>12</b> /17,3	1,8/ <b>6</b> /7,2	2,8/ <b>8</b> /9,6	3,5/ <b>10</b> /12	
linimal/Nominal/Maximal	75	05	1502	005	005 2	005?	005	1002	105?	100?	
eating surface (A-15/W35) <sup>s</sup> .0.P. (A7/W35)	75 m <sup>2</sup> 5,02	85 m <sup>2</sup> 5,01	150 m <sup>2</sup> 4,97	205 m <sup>2</sup> 4,96	205 m <sup>2</sup> 4,96	235 m <sup>2</sup> 4,96	235 m <sup>2</sup> 4,96	100 m <sup>2</sup> 4,27	135 m <sup>2</sup> 4,08	180 m <sup>2</sup> 4,02	
oltage	1Ph/230 V	1Ph/230 V	1Ph/230 V	1Ph/230 V	4,90 3Ph/400 V	1Ph/230 V	3Ph/400 V	1Ph/230 V	1Ph/230 V	1Ph/230	
use	1×16 A	1×16 A	1×25 A	1×32 A	3×16 A	1×32 A	3×16 A	1×16 A	1×20 A	1×25 A	
ower cable	3×2,5 mm <sup>2</sup>	3×2,5 mm <sup>2</sup>	3×4 mm <sup>2</sup>	3×6 mm <sup>2</sup>	5×2,5 mm <sup>2</sup>	3×6 mm <sup>2</sup>	5×2,5 mm <sup>2</sup>	3×4 mm <sup>2</sup>	3×4 mm <sup>2</sup>	3×4 mm <sup>2</sup>	
imensions of gas connections	1/4", 1/2"	1/4", 1/2"	3/8", 5/8"	3/8",5/8"	3/8", 5/8"	3/8",5/8"	3/8", 5/8"	1/4", 1/2"	1/4", 5/8"	3/8", 5/8	
laximum height difference IU-OU (m)	30	30	30	30	30	30	30	15	15	15	
ength of gas connection IU-OU (m)	2 - 30	2 - 40	2 - 40	2 - 75	2 - 75	2 - 75	2 - 75	5 - 20	5 - 20	5 - 20	
re-charged gas up to the length of the gas connection (m) Illing of gas above the pre-charged length (g/m)	5 20	5 20	10 20	10 20	10 20	10 20	10 20	10 20	10 20	10 40	
eating medium's nominal flow (I/min)	12,9	17,2	22,9	32,1	32,1	45,9	45,9	16,3	20,3	27,1	
eight	54 kg	43 kg	75 kg	118 kg	130 kg	118 kg	130 kg	41 kg	42 kg	90 kg	
eight W×D×H (cm)	84×33×88	81×30×63	95×33×94,3	95×33×135	95×33×135	95×33×135	95×33×135	79×29×62	79×29×62	90×33×8	
NDOOR UNIT	MONO							SINGLE			
roduct number (set)	11204	11204	11204	10647	10647	10647	10647	11208	11208	10262	
imensions of gas connections	+11356 3/8", 5/8"	+10734	+10733	+7280	+10732	+11030	+10706	+10741	+11373	+10743	
imensions of connections for the heating system	3/0,3/0 1"							3/0,3/0 1"			
uilt in circulation pump		Circulating pump - energy class A							Circulating pump - energy class A		
	5'				•						
lectric heater	3×3 kW							3×3 kW	•		
leat exchanger	Swep							Swep	•		
witchover heating-water heating Dimensions (H×W×D)	Integrated 900×600×40	0 mm			•			Integrated 900×600×40	0 mm		
/eight	80 kg		•••••	••••••	•••••	••••••	• ••••••	80 kg			
NDOOR UNIT	DUO 200							DOUBLE 200			
roduct number (set)	11205 +11356	11205 +10734	11205 +10733	10714 +7280	10714 +10732	10714 +11030	10714 +10706	11209 +10741	11209 +11373	10716 +10743	
ot water tank volume	200 L							200 L			
imensions of gas connections	3/8", 5/8"							3/8", 5/8"			
imensions of heating system connections imensions of hot water connections	<sup>-</sup>    <sup>1</sup>    <sup>1</sup>    <sup>1</sup>    <sup>1</sup>    <sup>1</sup>    <sup>1</sup>    <sup>1</sup>										
uilt in circulation pump	1" (3/4 circulation)     1" (3/4 circulation)       Circulating pump - energy class A     Circulating pump - energy class A									ass A	
Switchover heating – hot water	Integrated					-		Integrated			
lectric heater	3×3 kW							3×3 kW			
leat exchanger	Swep							Swep			
limensions (H×W×D)	142×60×78 180 kg							142×60×78 180 kg			
	100 KY			-				TOURY			
veryni								DOUBLE 300 / DOUBLE 300 SOLAR			
veight NDOOR UNIT	DUO 300									2	
NDOOR UNIT	DUO 300	SOLAR	11206	10514	10514	10514	10514	DOUBLE	300 SOLAI	10261	
NDOOR UNIT roduct number (set)	DUO 300	SOLAR 11206 +10734	+10733	+7280	10514 +10732 10591	+11030	10514 +10706 10591	DOUBLE	300 SOLA 11210 +11373		
NDOOR UNIT roduct number (set) roduct number - solar (set)	DUO 300 11206 +11356 11207 +11356	SOLAR			+10732		+10706	DOUBLE 11210 +10741 11211 +10741	300 SOLAI	10261 +10743	
NDOOR UNIT roduct number (set) roduct number - solar (set) ot water tank volume	DUO 300 11206 +11356 11207 +11356 300 L	SOLAR 11206 +10734 11207	+10733	+7280 10591	+10732 10591	+11030 10591	+10706 10591	DOUBLE 11210 +10741 11211 +10741 300 L	300 SOLAI 11210 +11373 11211	10261 +10743 10667	
NDOOR UNIT roduct number (set) roduct number - solar (set) ot water tank volume imensions of gas connections	DUO 300 11206 +11356 11207 +11356	SOLAR 11206 +10734 11207	+10733	+7280 10591	+10732 10591	+11030 10591	+10706 10591	DOUBLE 11210 +10741 11211 +10741	300 SOLAI 11210 +11373 11211	10261 +10743 10667	
NDOOR UNIT Product number (set) Product number - solar (set) lot water tank volume imensions of gas connections imensions of heating system connections imensions of how the transmission of the tater connections imensions of how the transmission of the tater connections	DUO 300 11206 +11356 11207 +11356 300 L 3/8", 5/8"	SOLAR 11206 +10734 11207 +10734	+10733	+7280 10591	+10732 10591	+11030 10591	+10706 10591	DOUBLE 11210 +10741 11211 +10741 300 L 3/8", 5/8" 1" 1" (3/4 circul	300 SOLAI 11210 +11373 11211 +11373 ation)	10261 +10743 10667 +10743	
NDOOR UNIT roduct number (set) roduct number - solar (set) lot water tank volume imensions of gas connections imensions of heating system connections imensions of how tare connections imensions of how tare connections uilt in circulation pump	DUO 300 11206 +11356 11207 +11356 300 L 3/8", 5/8" 1" 1" (3/4 circul Circulating pi	SOLAR 11206 +10734 11207 +10734	+10733 11207 +10733	+7280 10591	+10732 10591	+11030 10591	+10706 10591	DOUBLE 11210 +10741 11211 300 L 3/8", 5/8" 1" 1" (3/4 circul Circulating p	300 SOLAI 11210 +11373 11211 +11373	10261 +10743 10667 +10743	
NDOOR UNIT roduct number (set) roduct number - solar (set) ot water tank volume imensions of gas connections imensions of heating system connections imensions of hot water connections uilt in circulation pump witchover heating – hot water	DUO 3000 11206 +11356 11207 +11356 300 L 3/8", 5/8" 1" 1" (3/4 circul Circulating p Integrated	SOLAR 11206 +10734 11207 +10734 ation)	+10733 11207 +10733	+7280 10591	+10732 10591	+11030 10591	+10706 10591	DOUBLE 11210 +10741 11211 +10741 300 L 3/8", 5/8" 1" 1" (3/4 circul Circulating p Integrated	300 SOLAI 11210 +11373 11211 +11373 ation)	10261 +10743 10667 +10743	
NDOOR UNIT roduct number (set) roduct number - solar (set) tot water tank volume imensions of gas connections imensions of heating system connections imensions of hot water connections uilt in circulation pump witchover heating – hot water lectric heater	DUO 3000 11206 +11356 11207 +11356 300 L 3/8", 5/8" 1" 1" (3/4 circul Circulating p Integrated 3×3 kW	SOLAR 11206 +10734 11207 +10734 ation)	+10733 11207 +10733	+7280 10591	+10732 10591	+11030 10591	+10706 10591	DOUBLE 11210 +10741 11211 +10741 300 L 3/8", 5/8" 1" 1" (3/4 circul Circulating p Integrated 3×3 kW	300 SOLAI 11210 +11373 11211 +11373 ation)	10261 +10743 10667 +10743	
NDOOR UNIT roduct number (set) roduct number - solar (set) ot water tank volume imensions of gas connections imensions of heating system connections imensions of hot water connections uilt in circulation pump witchover heating – hot water	DUO 3000 11206 +11356 11207 +11356 300 L 3/8", 5/8" 1" 1" (3/4 circul Circulating p Integrated	SOLAR 11206 +10734 11207 +10734 ation)	+10733 11207 +10733	+7280 10591	+10732 10591	+11030 10591	+10706 10591	DOUBLE 11210 +10741 11211 +10741 300 L 3/8", 5/8" 1" 1" (3/4 circul Circulating p Integrated	300 SOLAI 11210 +11373 11211 +11373 ation)	10261 +10743 10667 +10743	
NDOOR UNIT roduct number (set) roduct number - solar (set) ot water tank volume imensions of gas connections imensions of heating system connections imensions of hot water connections uilt in circulation pump witchover heating – hot water lectric heater eat exchanger imensions (H×W×D) leight	DUO 3000 11206 +11356 11207 +11356 300 L 3/8", 5/8" 1" 1" (3/4 circul Circulating pl Integrated 3×3 kW Swep 182×60×78 235 kg	SOLAR 11206 +10734 11207 +10734 ation)	+10733 11207 +10733	+7280 10591	+10732 10591	+11030 10591	+10706 10591	DOUBLE 11210 +10741 11211 +10741 300 L 3/8", 5/8" 1" 1" (3/4 circul Circulating p Integrated 3×3 kW Swep 182×60×78 235 kg	300 SOLAI 11210 +11373 11211 +11373 ation)	10261 +10743 10667 +10743	
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NDOOR UNIT roduct number (set) roduct number - solar (set) ot water tank volume imensions of gas connections imensions of heating system connections imensions of hot water connections uilt in circulation pump witchover heating – hot water lectric heater eat exchanger imensions (H×W×D) (eight leight leight (Solar) revice's seasonal efficiency class average climate conditions W35 revice's seasonal efficiency class	DUO 3000 11206 +11356 11207 +11356 300 L 3/8", 5/8" 1" 1" (3/4 circul Circulating pl Integrated 3×3 kW Swep 182×60×78 235 kg 255 kg	SOLAR 11206 +10734 11207 +10734 ation) ump - energy cla	+10733 11207 +10733	+7280 10591 +7280	+10732 10591 +10732	+11030 10591 +11030	+10706 10591 +10706	DOUBLE 11210 +10741 11211 +10741 300 L 3/8", 5/8" 1" 1" (3/4 circul Circulating p Integrated 3×3 kW Swep 182×60×78 235 kg 255 kg	300 SOLAI 11210 +11373 11211 +11373 ation) ump - energy c	10261 +10743 10667 +10743	
NDOOR UNIT roduct number (set) roduct number - solar (set) ot water tank volume imensions of pas connections imensions of heating system connections imensions of heating system connections uilt in circulation pump witchwer heating - hot water lectric heater eat exchanger imensions (H×W×D) //eight //ei	DUO 3000 11206 +11356 11207 +11356 300 L 3/8", 5/8" 1" 1" (3/4 circul Circulating p Integrated 3×3 kW Swep I82×60×78 235 kg 255 kg A+	SOLAR 11206 +10734 11207 +10734 ation) ump - energy cla	+10733 11207 +10733 NSS A	+7280 10591 +7280 A <sup>++</sup>	+10732 10591 +10732	+11030 10591 +11030 A <sup>++</sup>	+10706 10591 +10706	DOUBLE 11210 +10741 11211 +10741 300 L 3/8", 5/8" 1" 1" (3/4 circul Circulating p Integrated 3×3 kW Swep 182×60×78 235 kg 255 kg A++	300 SOLAI 11210 +11373 11211 +11373 ation) ump - energy c	10261 +10743 10667 +10743 ass A	
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NDOOR UNIT roduct number (set) roduct number - solar (set) ot water tank volume imensions of gas connections imensions of heating system connections imensions of hot water connections uilt in circulation pump witchover heating – hot water lectric heater eat exchanger imensions (H×W×D) (eight leight leight (Solar) revice's seasonal efficiency class n average climate conditions W35 revice's seasonal efficiency n average climate conditions W35 revice's seasonal efficiency n average climate conditions W35 (ns) revice's seasonal efficiency n average climate conditions W35 (ns) revice's seasonal efficiency n average climate conditions W35 (ns) revice's seasonal efficiency n average climate conditions W35 (ns)	DUO 3000 11206 +11356 11207 +11356 300 L 3/8", 5/8" 1" (3/4 circul Circulating p Integrated 3×3 kW Swep 182×60×78 235 kg 255 kg A <sup>+</sup> A <sup>+</sup> 153	SOLAR 11206 +10734 11207 +10734 ation) ump - energy cla A++ A++ A++ 163 125	+10733 11207 +10733 ass A A++ A++ A++ 165 127	+7280 10591 +7280 A++ A* 164 125	+10732 10591 +10732 A++ A* 164 125	+11030 10591 +11030 A++ A* 162 125	+10706 10591 +10706 A <sup>++</sup> A <sup>++</sup> 162	DOUBLE 11210 +10741 11211 +10741 300 L 3/8", 5/8" 1" 1" (3/4 circul Circulating p Integrated 3×3 kW Swep 182×60×78 235 kg 255 kg A <sup>++</sup> A <sup>+</sup> 169	300 SOLAI 11210 +11373 11211 +11373 ation) ump - energy cl A <sup>++</sup> A <sup>+</sup> 156	10261 +10743 10667 +10743 ass A ass A A** A* 155 113	
NDOOR UNIT roduct number (set) roduct number - solar (set) tot water tank volume imensions of gas connections imensions of heating system connections imensions of hot water connections uilt in circulation pump witchover heating – hot water lectric heater electric heater eleat exchanger imensions (H×W×D) /eight /eight /eight (Solar) revice's seasonal efficiency class n average climate conditions W35 revice's seasonal efficiency n average climate conditions W35 (ns) levice's seasonalevice n average clima	DUO 3000 11206 +11356 11207 +11356 300 L 3/8", 5/8" 1" 1" (3/4 circul Circulating p Integrated 3×3 kg 235 kg 235 kg 255 kg A <sup>+</sup> 153 116 L	SOLAR 11206 +10734 11207 +10734 ation) ump - energy cla A <sup>++</sup> A <sup>++</sup> 163 125 L	+10733 11207 +10733 ass A A <sup>++</sup> A <sup>++</sup> 165 127 L	+7280 10591 +7280 A** A** 164 125 L	+10732 10591 +10732 A** A** 164 125 L	+11030 10591 +11030 A++ A++ 162 125 L	+10706 10591 +10706 A** A** 162 125 L	DOUBLE 11210 +10741 11211 +10741 300 L 3/8", 5/8" 1" 1" (3/4 circul Circulating p Integrated 3×3 kW Swep 182×60×78 235 kg 255 kg A** 169 115 L	300 SOLAI 11210 +11373 11211 +11373 ation) ump - energy cl A <sup>++</sup> A <sup>+</sup> 156 118 L	10261           +10743           10667           +10743	
NDOOR UNIT roduct number (set) roduct number - solar (set) to water tank volume imensions of gas connections imensions of heating system connections imensions of hot water connections uilt in circulation pump witchover heating hot water lectric heater leat exchanger imensions (H×W×D) //eight //eight (Solar) evice's seasonal efficiency class n average climate conditions W35 n average climate c	DUO 3000 11206 +11356 11207 +11356 300 L 3/8", 5/8" 1" (3/4 circul Circulating p Integrated 3×3 kW Swep 182×60×78 235 kg 255 kg A <sup>+</sup> A <sup>+</sup> 153	SOLAR 11206 +10734 11207 +10734 ation) ump - energy cla A++ A++ A++ 163 125	+10733 11207 +10733 ass A A++ A++ A++ 165 127	+7280 10591 +7280 A++ A* 164 125	+10732 10591 +10732 A++ A* 164 125	+11030 10591 +11030 A++ A* 162 125	+10706 10591 +10706 A <sup>++</sup> A <sup>++</sup> 162	DOUBLE 11210 +10741 11211 +10741 300 L 3/8", 5/8" 1" 1" (3/4 circul Circulating p Integrated 3×3 kW Swep 182×60×78 235 kg 255 kg A <sup>++</sup> A <sup>+</sup> 169	300 SOLAI 11210 +11373 11211 +11373 ation) ump - energy cl A <sup>++</sup> A <sup>+</sup> 156	10261 +10743 10667 +10743 ass A ass A A** A* 155 113	