

AQUA
SPHERE

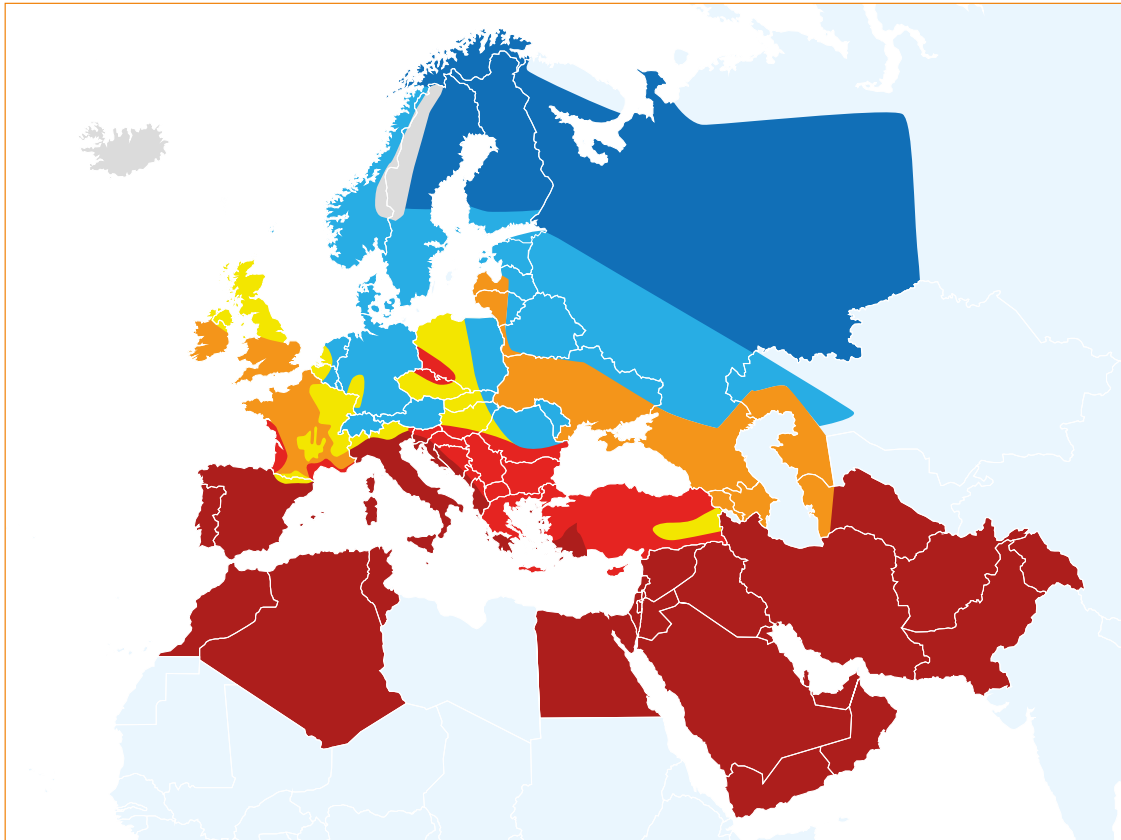
Heat Pumps



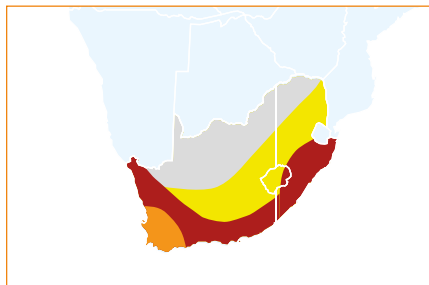
Catalogue
2021



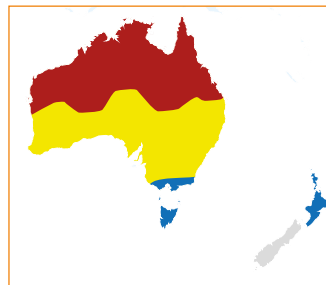
CLIMATE ZONES



SOUTH AFRICA



AUSTRALIA



Zone 1	Grey
Zone 2	Dark Blue
Zone 3	Light Blue
Zone 4	Yellow
Zone 5	Orange
Zone 6	Red
Zone 7	Dark Red

Caribbean Islands, Reunion Island, Canary Islands are part of zone 7.



- +7°C minimum air operating temperature
- Quick water connections
- Galvanized steel body

2
YEAR
WARRANTY

QUICK
CONNECTIONS

ON OFF

HEATING

+7°C
MIN. AIR TEMP

R32

DETAILED DESCRIPTION

- Galvanized steel body with ABS top
- Metal grid fan
- LCD display
- Heating function ensured outside of filtration hours
- Automatic defrosting
- Titanium water exchanger, compatible with salt water treatment
- On-off compressor, Rotary vane
- Included 3.5m power cable (without plug)

ACCESSORIES INCLUDED IN THE PACK

- Winter cover
- Quick water connections, compression, Ø 50
- Condensate drain kit
- U-shape anti-vibration feet

OPTIONAL ACCESSORIES

	By pass kit
Description	By pass kit Ø50
Reference	Code TBC

DIMENSIONS (mm) AND WEIGHT

	FSP-05	FSP-08	FSP-11	FSP-14
Dimensions (mm)	751*300*502	935*360*545	1000*360*620	1045*410*695
Weight (kg)	36	46	65	77

	FSP-05	FSP-08	FSP-11	FSP-14
PRODUCT REFERENCE	74139	74140	74141	74142

PERFORMANCE : AIR 28°C / WATER 28°C / HUMID. 80%

Operating power (kW)	5	7,5	11	14
Consumed power (kW)	1	1,4	2,2	2,6
COP	5	5,4	5	5,4

PERFORMANCE : AIR 15°C / WATER 26°C / HUMID. 70%

Operating power (kW)	3,5	5,5	7,5	9,5
Consumed power (kW)	0,9	1,3	1,8	2,3
COP	4	4,4	4,3	4,2

TECHNICAL SPECIFICATIONS

Recommended water flow (m³/h)	3	4	5	6
Hydraulic connection	Quick water connections, compression, Ø 50			
Electric power supply	220-240V / 1 N~ / 50Hz			
Nominal operating power (A)	4,4	6,2	9,8	11,5
Recommended cable power section * (mm²)	3 x 1.5		3 x 2.5	
Refrigerant fluid	R32			
Refrigerant fluid quantity (kg)	0,4	0,45	0,8	0,85
Acoustic Power (dB(A))	63	65	68	
Acoustic pressure at 10m (dB(A))**	32	33	37	37

*Recommended section for a maximum length of 20 meters.

**According to EN60704-1:2010+A11:2012 standard

CLIMATE ZONES

POOL VOLUME (m³)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
With cover			FSP-05					FSP-08			FSP-11				FSP-14	
Zone 7																
Zone 6																
Zone 5																
Zone 4																
Zone 3																
Zone 2																
Zone 1																
Without cover		FSP-05		FSP-08		FSP-11	FSP-14									
Zone 7																
Zone 6																
Zone 5																
Zone 4																
Zone 3																
Zone 2																
Zone 1																

This table is a sizing help tool. It is given for a private pool, from 15 may to 15 september, depth 1,5m, with a maximum temperature rise time of 4 days to heat the pool from 15°C to 28°C, 14h filtration time. Climate zones details can be found in the introduction pages.



- -5°C minimum air operating temperature with cooling function
- Quick water connections
- Galvanized steel body

2
YEAR
WARRANTY

QUICK
CONNECTIONS

ON OFF

HEATING &
COOLING

-5°C
MIN. AIR TEMP

R32

DETAILED DESCRIPTION

- Galvanized steel body with ABS top
- Laser cut fan outlet
- LCD (LED) display
- Heating function ensured outside of filtration hours
- Automatic defrosting
- Titanium water exchanger, compatible with salt water treatment
- On-off compressor, Rotary vane
- Included 3.5m power cable (without plug) except FSN-17

ACCESSORIES INCLUDED IN THE PACK

- Winter cover
- Quick water connections, compression, Ø 50
- Remote control kit
- Condensate drain kit
- U-shape anti-vibration feet

OPTIONAL ACCESSORIES

	By pass kit
Description	By pass kit Ø50
Reference	Code TBC

DIMENSIONS (mm) AND WEIGHT

	FSN-05	FSN-08	FSN-11	FSN-14	FSN-17
Dimensions (mm)	751*300*502	935*360*545	1000*360*620	1045*410*695	
Weight (kg)	36	46	65	72	76

	FSN-05	FSN-08	FSN-11	FSN-14	FSN-17
PRODUCT REFERENCE	74143	74144	74145	74146	74147

PERFORMANCE : AIR 28°C / WATER 28°C / HUMID. 80%

Operating power (kW)	5	7,5	11	14	16,5
Consumed power (kW)	1,0	1,4	2,2	2,6	2,9
COP	5	5,4	5	5,4	5,7

PERFORMANCE : AIR 15°C / WATER 26°C / HUMID. 70%

Operating power (kW)	3,5	5,5	7,5	9,5	11,5
Consumed power (kW)	0,9	1,3	1,8	2,3	2,5
COP	4,0	4,4	4,3	4,2	4,6

TECHNICAL SPECIFICATIONS

Recommended water flow (m³/h)	3	4	5	6	7
Hydraulic connection	Quick water connections, compression, Ø 50				
Electric power supply	220-240V / 1 N~ / 50Hz				
Nominal operating power (A)	4,4	6,2	9,8	11,5	12,8
Recommended cable power section * (mm²)	3 x 1.5		3 x 2.5		
Refrigerant fluid	R32				
Refrigerant fluid quantity (kg)	0,4	0,6	0,9		0,95
Acoustic Power (dB(A))	62	64	66	68	
Acoustic pressure at 10m (dB(A))**	31	32	35	37	37

*Recommended section for a maximum length of 20 meters.

**According to EN60704-1:2010+A11:2012 standard

CLIMATE ZONES

POOL VOLUME (m³)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	
With cover			FSN-05					FSN-08			FSN-11		FSN-14						FSN-17		
Zone 7																					
Zone 6																					
Zone 5																					
Zone 4																					
Zone 3																					
Zone 2																					
Zone 1																					
POOL VOLUME (m³)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	
Without cover		FSN-05		FSN-08		FSN-11	FSN-14	FSN-17													
Zone 7																					
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- Automatic variable speed (Inverter) adjusting to needs of power
- +7°C minimum air operating temperature
- From small to large residential pools

2
YEAR
WARRANTY


SILENT &
ENERGY
SAVINGS


MIN MAX
VARIABLE
SPEED


HEATING

+7°C
MIN. AIR TEMP

R32

DETAILED DESCRIPTION

- Galvanized steel body with ABS top
- Laser cut fan outlet
- LCD (LED) display
- Heating function ensured outside of filtration hours
- Automatic defrosting
- Titanium water exchanger, compatible with salt water treatment
- Inverter compressor
- Included 3.5m power cable (without plug) except VSP-17

ACCESSORIES INCLUDED IN THE PACK

- Winter cover
- Condensate drain kit
- PVC and gaskets, to be glued, 1/2 unions Ø 50
- Remote control kit
- U-shape anti-vibration feet

OPTIONAL ACCESSORIES

	By pass kit
Description	By pass kit Ø50
Reference	Code TBC

DIMENSIONS (mm) AND WEIGHT

	VSP-10	VSP-12	VSP-15	VSP-17
Dimensions (mm)	935*360*545		965*384*553	
Weight (kg)	56	68	73	78

PRODUCT REFERENCE	VSP-10	VSP-12	VSP-15	VSP-17
	74148	74149	74150	74151

PERFORMANCE : AIR 28°C / WATER 28°C / HUMID. 80%

Operating power (kW)	10-2.3	12-2.9	15-3.2	17-3.8
Consumed power (kW)	1.6-0.14	1.8-0.18	2.3-0.2	2.7-0.23
COP	16-6.5	16-6.8	16-6.6	16-6.4

PERFORMANCE : AIR 15°C / WATER 26°C / HUMID. 70%

Operating power (kW)	7-1.9	8.5-2	10-2.2	12-3
Consumed power (kW)	1.4-0.27	1.7-0.28	2.1-0.31	2.4-0.42
COP	7.1-4.9	7.2-4.9	7.2-4.8	7.2-4.9

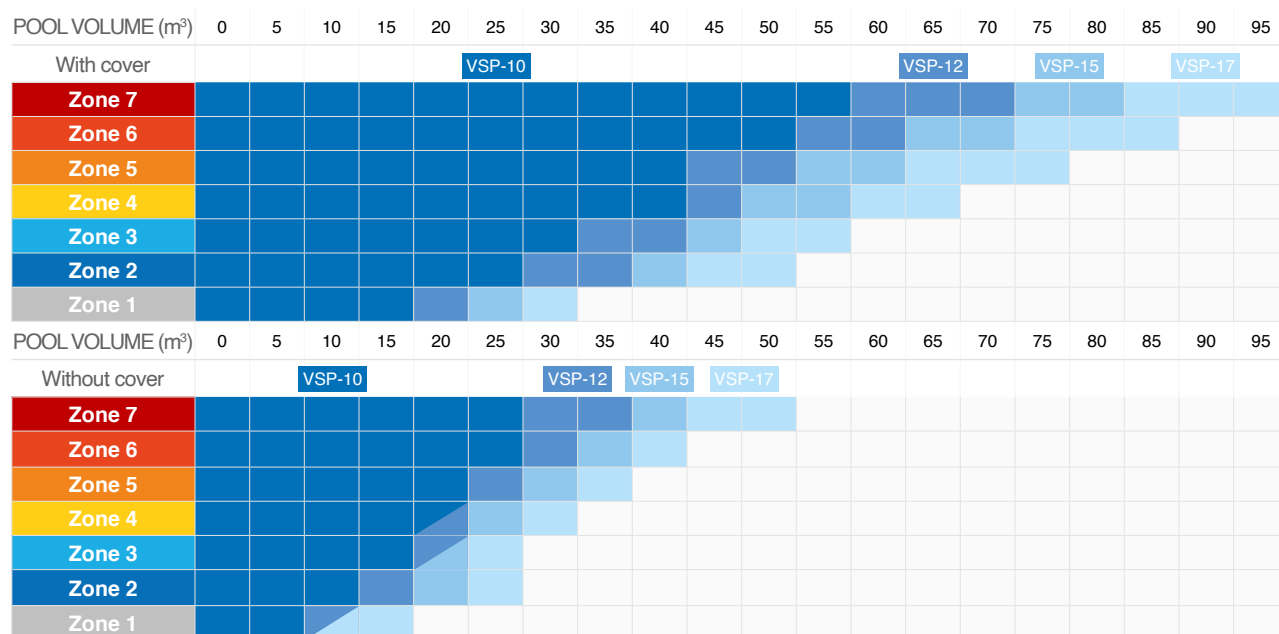
TECHNICAL SPECIFICATIONS

Recommended water flow (m³/h)	2,8	3,7	4	4,6
Hydraulic connection	PVC and gaskets, to be glued, 1/2 unions Ø 50			
Electric power supply	220-240V / 1 N~ / 50Hz			
Nominal operating power (A)	6,9	7,9	10,0	11,8
Recommended cable power section * (mm²)	3 x 2.5			
Refrigerant fluid	R32			
Refrigerant fluid quantity (kg)	0,65	0,75	1	1,1
Acoustic Power (dB(A)) @ max - min speed	54 - 66		54 - 68	55 - 68
Acoustic pressure at 10m (dB(A)) @ max - min speed**	22 - 34	23 - 35	23 - 37	24 - 37

*Recommended section for a maximum length of 20 meters.

**According to EN60704-1:2010+A11:2012 standard

CLIMATE ZONES



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- Automatic variable speed (Inverter) adjusting to needs of power
- -5°C minimum air operating temperature with cooling function
- From small to large residential pools

2
YEAR
WARRANTY

SILENT &
ENERGY
SAVINGS

MIN MAX
VARIABLE
SPEED

HEATING &
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-5°C
MIN. AIR TEMP

R32

DETAILED DESCRIPTION

- Galvanized steel body with ABS top
- Laser cut fan outlet
- LCD (LED) display
- Heating function ensured outside of filtration hours
- Automatic defrosting
- Titanium water exchanger, compatible with salt water treatment
- Inverter compressor
- Included 3.5m power cable (without plug) except VSN-17 & VSN-21

ACCESSORIES INCLUDED IN THE PACK

- Winter cover
- Condensate drain kit
- PVC and gaskets, to be glued, 1/2 unions Ø 50
- Remote control kit
- U-shape anti-vibration feet

OPTIONAL ACCESSORIES

	By pass kit
Description	By pass kit Ø50
Reference	Code TBC

DIMENSIONS (mm) AND WEIGHT

	VSN-10	VSN-12	VSN-15	VSN-17	VSN-21
Dimensions (mm)	1027*332*577	1085*450*709			1155*444*872
Weight (kg)	56	68	73	78	98

	VSN-10	VSN-12	VSN-15	VSN-17	VSN-21
PRODUCT REFERENCE	74152	74153	74154	74155	74156

PERFORMANCE : AIR 28°C / WATER 28°C / HUMID. 80%

Operating power (kW)	10-3.5	12-4.8	15-5	17-5.3	21-4.7
Consumed power (kW)	1.6-0.43	2-0.6	2.5-0.63	2.9-0.66	3.4-0.59
COP	8.5-6.2	8.5-6.1	8.5-6		8.5-6.2

PERFORMANCE : AIR 15°C / WATER 26°C / HUMID. 70%

Operating power (kW)	7-2.5	8.5-3.5	10-3.6	12-3.8	15-3.9
Consumed power (kW)	1.7-0.43	2-0.6	2.4-0.62	2.8-0.66	3.5-0.67
COP	5.8-4.2	5.8-4.3	5.8-4.2	5.8-4.3	5.8-4.2

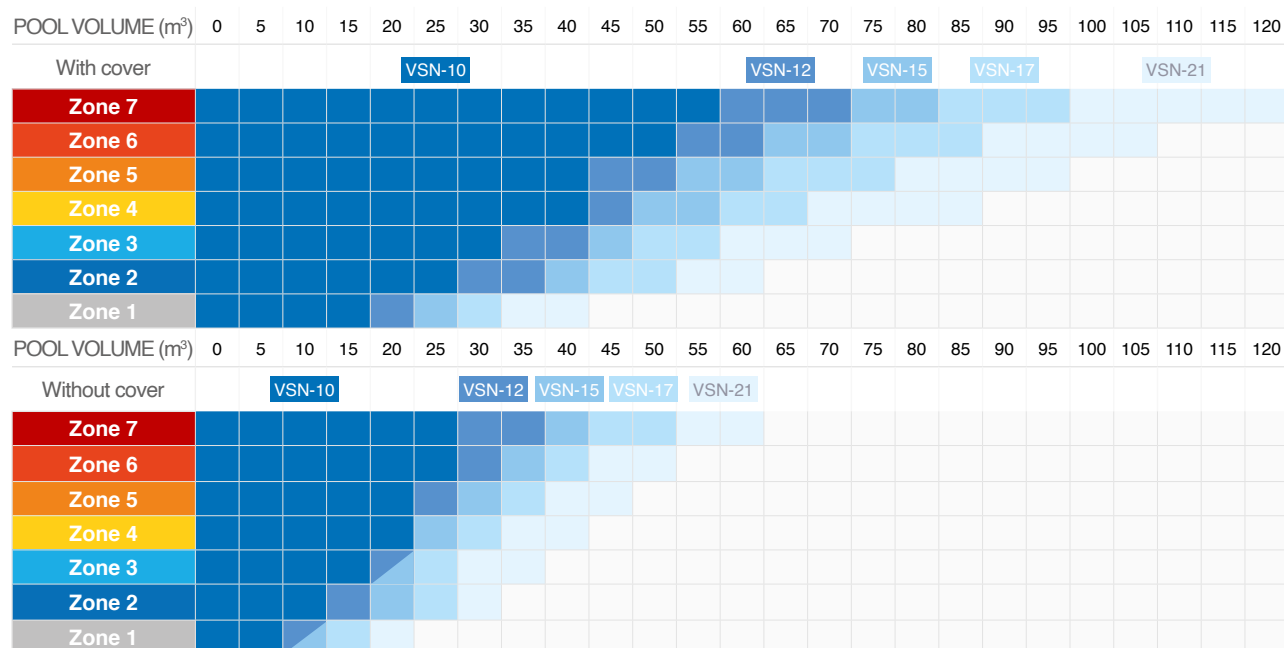
TECHNICAL SPECIFICATIONS

Recommended water flow (m³/h)	2,8	3,7	4	4,6	5
Hydraulic connection	PVC and gaskets, to be glued, 1/2 unions Ø 50				
Electric power supply	220-240V / 1 N~ / 50Hz				
Nominal operating power (A)	7,2	8,7	11	11,9	15
Recommended cable power section * (mm²)	3 x 2.5				
Refrigerant fluid	R32				
Refrigerant fluid quantity (kg)	0,65	0,75	0,95	1,1	1,5
Acoustic Power (dB(A)) @ max - min speed	59 - 66	60 - 68	61 - 70		64 - 73
Acoustic pressure at 10m (dB(A)) @ max - min speed**	28 - 35	29 - 37	30 - 39		32 - 41

*Recommended section for a maximum length of 20 meters.

**According to EN60704-1:2010+A11:2012 standard

CLIMATE ZONES



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