

AQUA
SPHERE

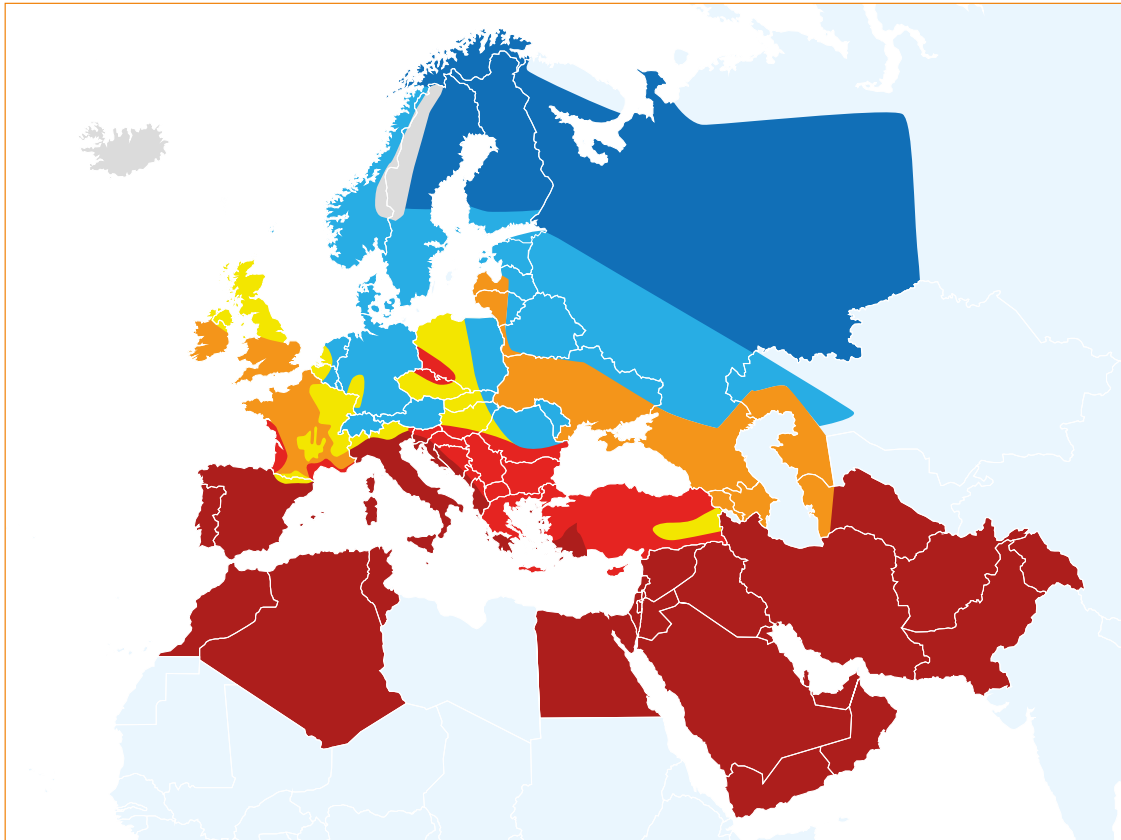
Heat Pumps



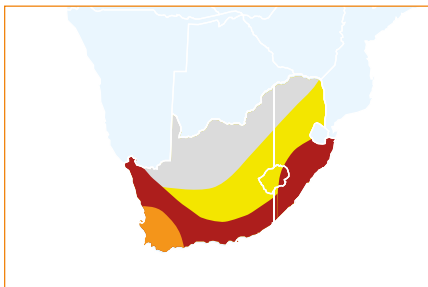
Catalogue
2023



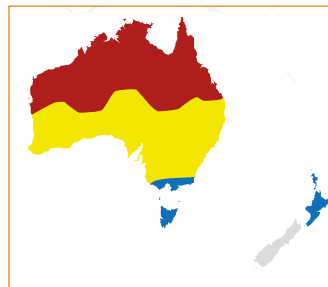
CLIMATE ZONES



SOUTH AFRICA



AUSTRALIA



Zone 1	Grey
Zone 2	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.



<90m³

2
YEAR
WARRANTY



-5°C
MIN. TEMP AIR

R32



HEAT PUMP

FSN

- + Simple use
- + For pools up to 90m³
- + -5°C minimum air operating temperature

DESCRIPTION

- Galvanized steel body with ABS top
- LCD display
- Possible heating function outside of filtration hours
- Timer to schedule the heat pump
- Automatic defrosting
- Titanium water exchanger, compatible with salt water treatment
- On-off compressor, Rotary vane

ACCESSORIES INCLUDED IN THE PACK

- Winter cover
- Condensate drain kit
- PVC and gaskets, to be glued, 1/2 unions Ø 50
- Remote control kit (10m cable)
- Anti-vibration pads

TECHNICAL FEATURES

Model FSN	FSN-08	FSN-10	FSN-12	FSN-15
Product Reference	75311	75312	75313	75335
Recommended water flow (m ³ /h)	2~3	3~4	4~6	5~7
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)	8	10	12	14
Recommended cable power section * (mm ²)	3 x 2.5			3 x 4
Refrigerant fluid	R32			
Refrigerant fluid quantity (kg)	0,5	0,7	0,8	0,95
Acoustic Power (dB(A))	62	63	67	68
Acoustic pressure at 10m (dB(A))**	31	32	36	37

*Recommended section for a maximum length of 20 meters.

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

HEATING PERFORMANCE

Model FSN	FSN-08	FSN-10	FSN-12	FSN-15
AIR 28°C / WATER 28°C / HUMID. 80%				
Operating power (kW)	8	10	12	15
Consumed power (kW)	1,5	1,8	2,2	2,7
COP	5,3	5,5		5,6
AIR 15°C / WATER 26°C / HUMID. 70%				
Operating power (kW)	6	7	9	11
Consumed power (kW)	1,4	1,45	1,9	2,3
COP	4,4	4,8	4,7	4,8

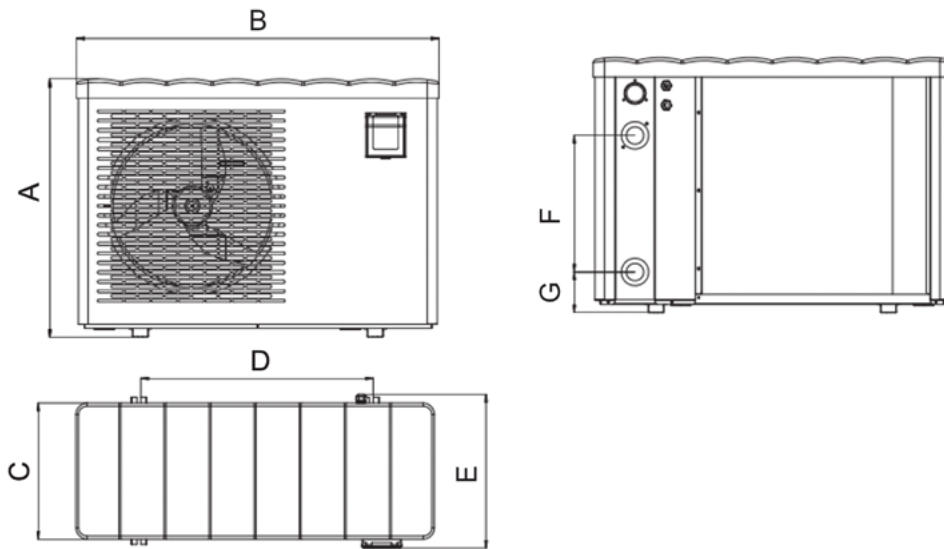
OPTIONAL ACCESSORIES

Model FSN	FSN-08	FSN-10	FSN-12	FSN-15
Description	By pass kit Ø50			
Reference	0599311			

WEIGHT AND DIMENSIONS

Model FSN		FSN-08	FSN-10	FSN-12	FSN-15
Weight	kg	48,5	51	62,5	66
Dimensions (mm)	A	654		654	654
	B	831		914	914
	C	348		348	348
	D	590		593	593
	E	393		393	393
	F	300		260	350
	G	94		104	104

For complete technical & dimensional details, refer to the datasheet/user manual.



HEAT PUMPS SELECTION GUIDE

PARAMETERS OF THE QUICK SELECTION GUIDE

This quick selection guide has been configured with the following parameters: private pool, for a use from beginning of may to end of september, average depth 1,5m, 14h filtration time, target pool water temperature 28°C.

SELECT THE POWER IN LESS THAN 1 MINUTE

How to read: For a 35m³ pool, with cover, located in zone 4, FSN-10 is needed.

Pool Volume (m ³)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	
With cover					FSN-08						FSN-10		FSN-12		FSN-15						
Zone 7																					
Zone 6																					
Zone 5																					
Zone 4																					
Zone 3																					
Zone 2																					
Zone 1																					
Without cover			FSN-08		FSN-10		FSN-12		FSN-15												
Zone 7																					
Zone 6																					
Zone 5																					
Zone 4																					
Zone 3																					
Zone 2																					
Zone 1																					



<120m³

2
YEAR
WARRANTY



-5°C
MIN. TEMP AIR

R32



- + Full Inverter technology
- + For pools up to 120m³
- + -5°C minimum air operating temperature

DESCRIPTION

- Galvanized steel body with ABS top
- LCD display
- Possible heating function outside of filtration hours
- Timer to schedule the heat pump
- Automatic defrosting
- Titanium water exchanger, compatible with salt water treatment
- Variable speed compressor, Rotary vane
- Variable speed fan

ACCESSORIES INCLUDED IN THE PACK

- Winter cover
- Condensate drain kit
- PVC and gaskets, to be glued, 1/2 unions Ø 50
- Remote control kit (10m cable)
- Anti-vibration pads

TECHNICAL FEATURES

Model VSN	VSN-07	VSN-09	VSN-13	VSN-15	VSN-20
Product Reference	75336	75337	75338	75339	75340
Recommended water flow (m ³ /h)	2~3	3~4	4~6	5~7	7~9
Hydraulic connection	PVC and gaskets, to be glued, 1/2 unions Ø 50				
Electric power supply	220-240V / 1 N~ / 50Hz or 60Hz				
Nominal operating power (A)	8	9	13	16	17
Recommended cable power section * (mm ²)	3 x 2,5			3 x 4	
Refrigerant fluid	R32				
Refrigerant fluid quantity (kg)	0,3	0,45	0,6	0,7	1
Acoustic Power (dB(A)) @ max - min speed)	47 - 59	51 - 64		55 - 68	57 - 70
Acoustic pressure at 10m (dB(A)) @ max - min speed)**	16 - 28	20 - 33		24 - 36	26 - 39

*Recommended section for a maximum length of 20 meters.
**According to EN60704-1:2010+A11:2012 standard

HEATING PERFORMANCE

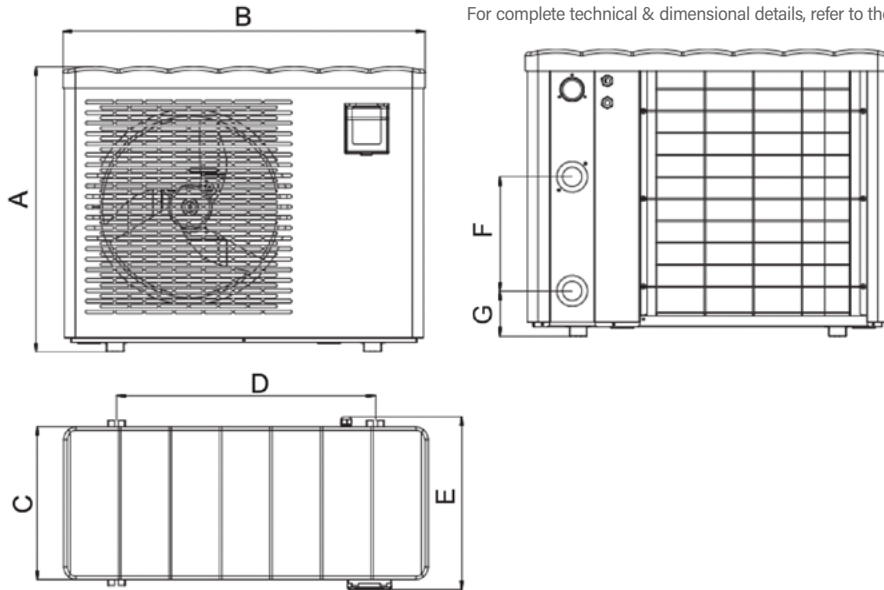
Model VSN	VSN-07	VSN-09	VSN-13	VSN-15	VSN-20
AIR 28°C / WATER 28°C / HUMID. 80%					
Operating power (kW @ max - min speed)	7 - 2	9,5 - 2,3	13 - 2,4	15 - 2,5	20 - 2,8
Consumed power (kW @ max - min speed)	1,1 - 0,15	1,4 - 0,2	2 - 0,1	2,5 - 0,15	3,3 - 0,2
COP @ max - min speed	6,5 - 13,4	6,7 - 13,5	6,5 - 16,4	6 - 16,3	6,2 - 16,5
AIR 15°C / WATER 26°C / HUMID. 70%					
Operating power (kW @ max - min speed)	5,5 - 1,4	7 - 1,5	9 - 1,7	11 - 1,9	15 - 2,2
Consumed power (kW @ max - min speed)	1,1 - 0,2	1,3 - 0,2	1,9 - 0,2	2,3 - 0,25	3 - 0,3
COP @ max - min speed	5,2 - 6,4	5,3 - 6,6	4,8 - 7,8	4,8 - 7,7	5 - 7,3

OPTIONAL ACCESSORIES

Model VSN	VSN-07	VSN-09	VSN-13	VSN-15	VSN-20
Description	By pass kit Ø50				
Reference	0599311				

WEIGHT AND DIMENSIONS

Model VSN		VSN-07	VSN-09	VSN-13	VSN-15	VSN-20
Weight	kg	38,5	41,5	46	52,5	66
Dimensions (mm)	A	654		654	654	754
	B	831		831	914	1111
	C	348		348	348	368
	D	590		590	593	790
	E	393		393	393	413
	F	300		260	330	350
	G	93		103	93	93



For complete technical & dimensional details, refer to the datasheet/user manual.

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How to read: For a 35m³ pool, with cover, located in zone 4, VSN-09 is needed.

