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Aquarea
J Generation - R32

News 2019

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heating & cooling solutions

Aquarea J Generation

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Much more than R32 Aquarea

Introduction Spring 2019: 3/5/7/9kW All in One (Bi-bloc October 2019)

Main Highlights:

- Higher efficiency, up to COP 5,33
- Flexibility in design
- More Comfort
- New Smart functions

Keeping Aquarea essence:

- Free space on the top of AiO
- A+++ Ready
- Service Cloud by accessory

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WH-UD03JE5 / WH-UD05JE5



WH-UD07JE5 / WH-UD09JE5

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What is new?



Higher efficiency

- SCOP up to + 5% vs H Generation
- DHW COP up to 3,3

More Flexibility in Design

- 60C Water Temp 7/9kW: 50/30m
- Piping length improved 3/5kW: 25/20m
- Chiller function (cooling down to 10 °C)

New Smart functions

- SG ready/PV function for cooling
- Utility remote bivalent control
By dry contacts
- Stop external device when defrost
By Dry contact (for fancoil fan stop)

More Comfort

- Better comfort in extreme low temp
Heating curve can be set up down to -20 °C
- Efficient or comfort mode for DHW.
Part load for better efficiency or full load to reduce the heat up time
- DHW Two sensor position selectable
Efficient position (best DHW cop) or bigger volume of hot water.

Other improvements: More silent outdoor units / Magnet filter for water cycle

Aquarea J Generation vs H

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- ✓ Higher COP 106% ~ 108%
- ✓ Improved piping flexibility
- ✓ Higher outlet temperature with HP
- ✓ Lower Sound pressure



All in One J vs H	3kW		5kW		7kW		9kW	
	R410a	R32	R410a	R32	R410a	R32	R410a	R32
Efficiency COP	5,00	5,33	4,63	5,00	4,46	4,76	4,13	4,48
Sound power Label (*)	64dB	55dB	65dB	55dB	68dB	59dB	69dB	59dB
Piping Lengh TTL Max	15m	25m	15m	25m	40m	50m	40m	50m
Piping Lengh Elevation Max	5m	20m	5m	20m	30m	30m	30m	30m
Heat pump max water outlet	55C	60C	55C	60C	55C	60C	55C	60C

(*) R410a measured at Full Load, R32 measured at Part Load (as other manufacturers)

All in One range from May'19

Capacity	3kW	5kW	7kW	9kW
Outdoor	WH-UD03JE5	WH-UD05JE5	WH-UD07JE5	WH-UD09JE5
All in One Indoor	WH-ADC0309J3E5			
Cloud	CZ-TAW1			

WH-ADC0309J3E5

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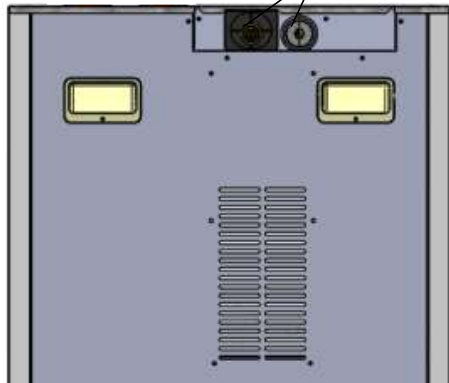
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What is same?

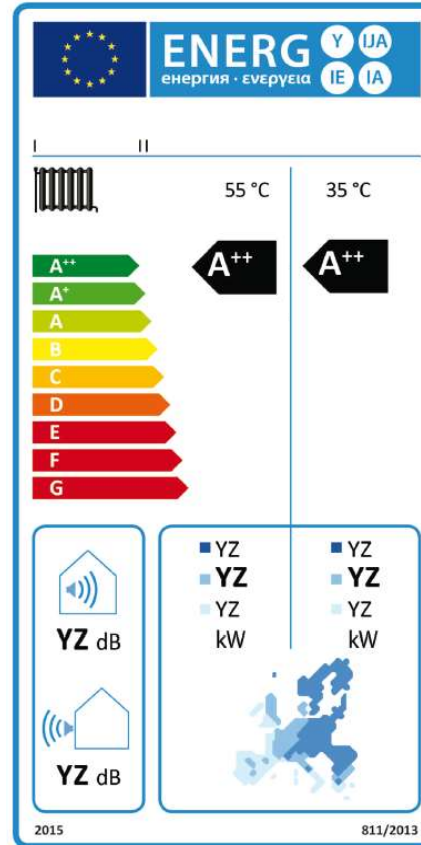
- **High energy class**
 A++ in LT and MT (A++ to G)
 A+++ in LT (A+++ to D) from 26 Sep 19

- **Free Space on top of All in One**

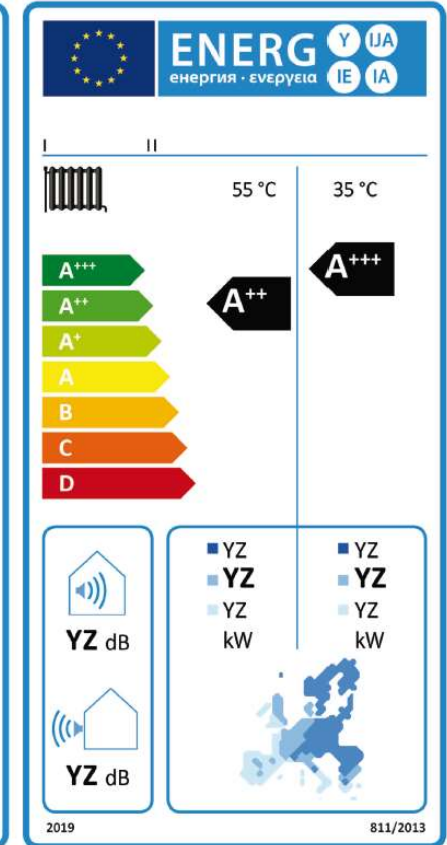
Refrigerant connection port



Today



From 26th Sep 2019



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