

# YLZ

## High efficiency air to water heat pumps with E.V.I. compressors (4 pipes)

Cooling capacities from 22.9 kW to 180.1 kW  
 Heating capacities from 24 kW to 209.6 kW



### Features

The **YLZ** series of high efficiency heat pumps has been specifically designed for use with radiant floor heating systems or those applications where it is necessary to have maximum efficiency when heating.

They have been optimized on heating mode, are able to produce water up to 65°C and can operate down to -20°C ambient temperature.

All versions are supplied with reverse cycle valve (**RV**) used for winter defrost. The **RV** versions are also able to produce cold water.

The noise in **XL** and **NN** versions is extremely low thanks to the use of a special floating vibration damping system which allows a noise reduction of about 10-12 dB(A).

### Optional

- High Pressure ducted fans option (Available ESP 150 Pa).
- Additional height of the unit due to ducting option: 150 mm

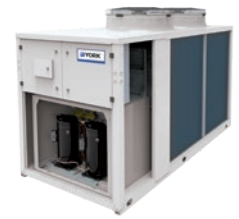


### Available versions

<b>SA</b>	Standard efficiency AC fans
<b>SE</b>	Standard efficiency EC fans
<b>HA</b>	High efficiency AC fans
<b>HE</b>	High efficiency EC fans
<b>RV</b>	Reversible heating/cooling
<b>XL</b>	Super low noise
<b>NN</b>	Ultra low noise
<b>P4U</b>	4 pipe systems heating/cooling
<b>P4S</b>	2+2 pipe systems with domestic hot water production

# High efficiency air to water heat pumps with E.V.I. compressors (4 pipes)

YLZ 252 to 2154



## Nominal capacity

YLZ HE/LS/RV - P4U/P4S - Reversible version		252	302	432	492	602	752	852	1002	1202	1454	1654	1854	2154	
Heating capacity (EN14511) (1)	kW	24	29.5	41.8	50.3	58.3	66.9	81.3	88.5	102.7	145.2	163.2	181.3	209,6	
Total input power (EN14511) (1)	kW	5.2	6.7	9.5	12.2	12.8	15.3	18.9	20.6	24.6	33.4	38.9	41.9	50,5	
COP (EN14511) (1)		4.61	4.38	4.40	4.12	4.56	4.37	4.31	4.31	4.17	4.35	4.19	4.33	4,15	
Energy Class in low temperature (2)		A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	
SCOP low temperature (2)		4.10	3.96	3.87	3.83	4.08	4.06	3.83	3.85	3.84	3.88	3.88	3.89	3,89	
ηs.h low temperature (2)		161	156	152	150	160	159	150	151	151	152	152	153	153	
Energy Class in medium temperature (2)		A++	A++	A+	A+	A++	A++	A+	A+	A+	A+	A+	A+	A+	
SCOP medium temperature (2)		3.25	3.21	3.12	3.15	3.29	3.23	3.07	3.14	3.13	3.10	3.15	3.17	3,19	
ηs.h medium temperature (2)		127	125	122	123	129	126	120	123	122	121	123	124	124	
Cooling capacity (EN14511) (3)	kW	22.9	30.2	37.5	45.6	52.9	62.5	71.6	78.2	90.8	126.8	142.8	157.0	180,1	
Total input power (EN14511) (3)	kW	7.0	8.8	12.7	16.7	17.9	21.3	24.4	26.1	31.3	42.0	50.5	53.4	66,2	
EER (EN14511) (3)		3.27	3.42	2.96	2.73	2.95	2.64	2.94	3.00	2.90	3.02	2.83	2.94	2,72	
Sound power (4)	dB (A)	78	78	78	79	80	80	83	83	83	84	85	85	85	
Sound pressure (5)	dB (A)	46	46	46	47	48	48	51	51	51	52	53	53	53	
Power supply	V/Ph/Hz	400/3/50													
Compressors / Circuits	n° / n°	2 / 1						4 / 2							
Fans	n°	2	2	2	2	2	2	2	2	2	3	3	3	3	
Dimensions	Height	mm	1490	1490	1670	1670	1840	1840	1840	1840	1840	1895	1895	1895	1895
	Length	mm	1915	1915	2400	2400	2905	2905	2905	2905	2905	4695	4695	4695	4695
	Width	mm	875	875	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145
Weight	kg	1000	1000	1500	1500	2000	2000	2000	2000	2000	2580	2640	2720	2760	

(1) Heating: Ambient temperature 7°C DB. 6°C WB. water temperature 30/35°C.

(2) Average conditions. variable - Reg EU 811/2013

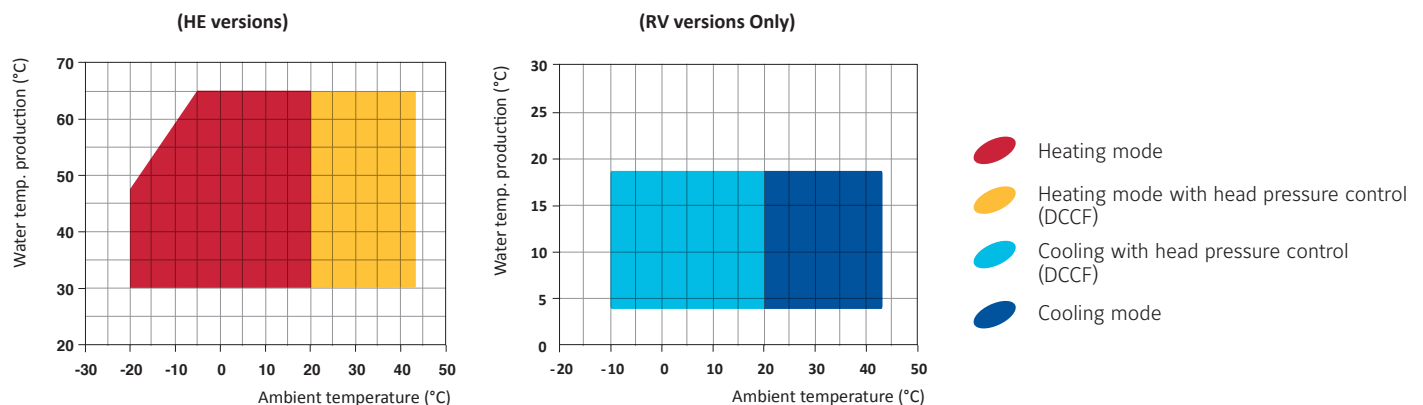
(3) Cooling: ambient air temperature 35°C. evaporator water temperature in/out 12/7 °C.

(4) Sound power level in accordance with ISO 3744.

(5) Sound pressure level at 10 mt from the unit in free field conditions in accordance with ISO 3744.

For information about other YLZ versions. contact your JCI representative.

## Operating limits



Manufacturer reserves the rights to change specifications without prior notice.