



## YUTAKI-S80 RWH 4.0 ~ 6.0 (V) NFE

Hitachi's Yutaki-S80 high temperature heat pump generates hot water up to 80°C and is ideal as a boiler replacement for heating and domestic hot water.



### FEATURES AND BENEFITS

- Domestic hot water and heating – ideal boiler replacement technology
- Two heating circuits
- Capacities: 11kW, 14kW and 16kW
- Easy to install, operate and service
- Hot water recovery time same as a DHW boiler
- One of the best COP's on the market up to 5.00
- Smart Cascade system for outstanding seasonal energy efficiency
- Solar integration
- Weather compensation control
- Generate water up to 80°C
- DHW legionella protection program
- ErP energy efficiency class of up to A+++

### REMOTE CONTROLLERS



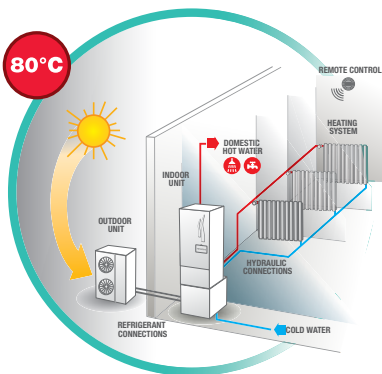
PC-ARFHE

- New *wired* thermostat with dedicated end user view
- Weekly timer
- Holiday mode
- Smart function
- Favourite button
- Setup wizard



ATW-RTU

- New *wireless* remote thermostat
- Easy to fit
- Simple to use
- Control remotely via smartphone app



kW	4.3	6	7.5	11	14	16	20	24
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YUTAKI-S80  
(HEATING ONLY  
+ INTEGRATED DHW)



- Optional domestic hot water tank and buffer tank range available
- One of the widest ranges on the market
- Available from 11 to 16 kW, single and three phase models available
- Year-round comfort, with heat output available at ambient temperatures as low as -20°C



RWH 4.0~6.0(V)NFE



RAS 4~10WH(V)NPE

## INDOOR UNITS

Indoor Unit Model		RWH4.0(V)NFE	RWH5.0(V)NFE	RWH6.0(V)NFE
Outdoor Unit Model		RAS-4WH(V)NPE	RAS-5WH(V)NPE	RAS-6WH(V)NPE
Nominal Capacity (max)	kW	11.00 (15.20)	14.00 (16.70)	16.00 (17.80)
Water 30/35°C, Ambient 7db/6wb°C	COP	5.00	4.71	4.57
Nominal Capacity (max)	kW	11.00 (14.50)	14.00 (17.00)	16.00 (18.00)
Water 40/45°C, Ambient 7db/6wb°C	COP	3.90	3.78	3.60
Nominal Capacity (max)	kW	11.00 (14.50)	14.00 (17.00)	16.00 (18.00)
Water 47/55°C, Ambient 7db/6wb°C	COP	3.32	3.19	3.10
Nominal Capacity (max)	kW	11.00 (14.50)	14.00 (17.00)	16.00 (18.00)
Water 55/65°C, Ambient 7db/6wb°C	COP	2.90	2.88	2.73
Nominal Capacity (max)	kW	9.70 (10.60)	11.50 (12.20)	12.10 (13.00)
Water 30/35°C, Ambient -7db/-8wb°C	COP	2.74	2.65	2.57
Nominal Capacity (max)	kW	11.00 (12.50)	14.00 (14.50)	16.00 (16.00)
Water 40/45°C, Ambient -7db/-8wb°C	COP	2.40	2.30	2.20
Nominal Capacity (max)	kW	11.00 (12.50)	14.00 (14.50)	16.00 (16.00)
Water 47/55°C, Ambient -7db/-8wb°C	COP	2.30	2.20	2.06
Nominal Capacity (max)	kW	11.00 (12.50)	14.00 (14.50)	16.00 (16.00)
Water 55/65°C, Ambient -7db/-8wb°C	COP	2.10	2.05	1.95
Refrigerant		R134A		
Water Flow Rate min/max	m <sup>3</sup> /hr	1.0 / 2.8	1.1 / 3.2	1.2 / 3.2
Minimum Water Volume (Defrost)	L	40.0	50.0	
Water Connections	Inch	1 1/4" Female		
Expansion Vessel Size	L	12.0		
Pump Type		Yonos PARA RS 15/7.5		
Water Temperature Range	°C	20 - 80		
Piping Diameter (liquid/gas)	Inch	3/8" / 5/8"		
Power Supply		230V/1Ph/50Hz + 400V/3Ph/50Hz	230V/1Ph/50Hz + 400V/3Ph/50Hz	230V/1Ph/50Hz + 400V/3Ph/50Hz
Circuit Breaker Size	A	32 / 16		
Maximum Operating Current	A	24.3 / 15.3	28.3 / 15.3	31.3 / 15.3
Sound Power Level	dB(A)	57.0		58.0
Dimensions (H x W x D) Including Connections	mm	802 x 600 x 623		
Gross Weight	Kg	146 / 149	149 / 152	

## IVX OUTDOOR UNITS

Outdoor Unit Model		RAS 4WH(V)NP	RAS 5WH(V)NP	RAS 6WH(V)NP
Refrigerant		R410A		
Minimum Piping Length	m	5.0		
Maximum Chargeless Piping Length	m	15.0		
Piping Diameter (liquid/gas)	Inch	3/8" / 5/8"	1/4" / 1/2"	
Maximum Piping Length	m	75.0		
Additional Refrigerant Charge	g (per metre)	60.0		
Power Supply		230V/1Ph/50Hz + 400V/3Ph/50Hz		
Circuit Breaker Size (Single/Three Phase)	A	32 / 16		
Maximum Operating Current	A	30.5 / 14		30.5 / 16
Sound Power Level @ 7/35*	dB(A)	63.0	64.0	65.0
Dimensions (H x W x D)	mm	1380 x 950 x 370		
Gross Weight	Kg	116.0		
Compressor Type	mm	Scroll DC Inverter Driven		

\* Sound power level in accordance to the standard EN 12102 at conditions specified in EN 14511 performance test



For ErP performance data visit us at:  
[hitachiaircon.com/erpactive](http://hitachiaircon.com/erpactive)

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