



## YUTAKI-S RWM 2.0~10.0NE

Hitachi's Yutaki-S heat pump is the ideal solution for both new build and renovation projects with exceptional performance for heating and domestic hot water.



### FEATURES AND BENEFITS

- One of the best COP's on the market up to 5.25
- Domestic hot water and heating – ideal boiler replacement technology
- Two heating circuits

AVAILABLE WITH ELECTRIC BACKUP HEATER AS STANDARD:

- Screed drying function ideal for new builds
- Weather compensation control
- Generate water up to 60°C
- DHW legionella protection program
- Eligible for domestic and non-domestic RHI
- 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

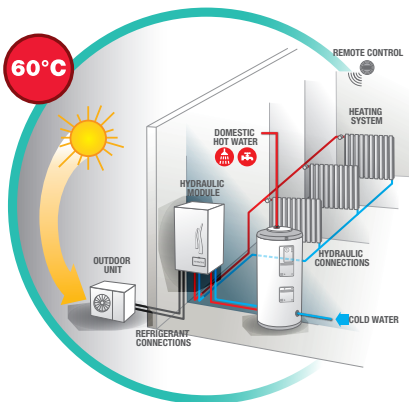


#### ATW-RTU

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

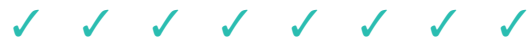
### DOMESTIC HOT WATER

- Capable of producing domestic hot water when combined with optional hot water tank



| SPLIT | kW | 4.3 | 6 | 7.5 | 11 | 14 | 16 | 20 | 24 |
|-------|----|-----|---|-----|----|----|----|----|----|
|-------|----|-----|---|-----|----|----|----|----|----|

#### YUTAKI-S (HEATING ONLY)



- Optional cooling accessory kit available
- Optional domestic hot water tank and buffer tank range available
- One of the widest ranges on the market
- Available from 4.3 to 24 kW, single and three phase models available
- Year-round comfort, with heat output available at ambient temperatures as low as -20°C



RWM 2.0-10.0NE



RAS 2-3HVRN2



RAS 4-10WH(V)NP

## INDOOR HYDRAULIC MODULES

| Indoor Unit Model                                | RWM 2.0NE          | RWM 2.5NE            | RWM 3.0NE   | RWM 4.0NE    | RWM 5.0NE                     | RWM 6.0NE     | RWM 8.0NE     | RWM 10.0NE      |               |
|--|--------------------|----------------------|-------------|--------------|-------------------------------|---------------|---------------|-----------------|---------------|
| Outdoor Unit Model                               | RAS 2WHVNP         | RAS 2.5WHVNP         | RAS 3WHVNP  | RAS 4WH(V)NP | RAS 5WH(V)NP                  | RAS 6WH(V)NP  | RAS 8WH(V)NP  | RAS 10WH(V)NP   |               |
| Nominal Capacity (max)                           | kW                 | 4.30 (7.00)          | 6.00 (9.00) | 7.50 (11.00) | 11.0 (15.20)                  | 14.0 (16.70)  | 16.00 (17.80) | 20.00 (25.50)   | 24.0 (32.00)  |
| Water 30/35°C, Ambient 7db/6wb°C                 | COP                | 5.25                 | 4.8         | 4.55         | 5.00                          | 4.71          | 4.57          | 4.57            | 4.30          |
| Nominal Capacity (max)                           | kW                 | 4.30 (6.20)          | 6.00 (9.00) | 7.50 (10.00) | 11.0 (14.10)                  | 14.0 (15.70)  | 16.00 (17.30) | 20.00 (25.00)   | 24.0 (32.00)  |
| Water 40/45°C, Ambient 7db/6wb°C                 | COP                | 3.90                 | 3.59        | 3.50         | 3.98                          | 3.61          | 3.40          | 3.40            | 3.30          |
| Nominal Capacity (max)                           | kW                 | 4.30 (6.00)          | 6.00 (8.00) | 7.50 (9.20)  | 11.0 (13.5)                   | 14.0 (15.20)  | 16.00 (17.00) | 20.00 (24.00)   | 24.0 (32.00)  |
| Water 47/55°C, Ambient 7db/6wb°C                 | COP                | 3.00                 | 2.89        | 2.57         | 3.00                          | 2.80          | 2.50          | 2.72            | 2.65          |
| Nominal Capacity (max)                           | kW                 | 3.50 (5.50)          | 4.50 (7.00) | 5.50 (8.90)  | 9.50 (12.80)                  | 10.50 (13.90) | 11.10 (15.00) | 12.30 (20.00)   | 13.00 (20.70) |
| Water 30/35°C, Ambient 2db/1wb°C                 | COP                | 4.10                 | 3.65        | 3.53         | 3.61                          | 3.55          | 3.41          | 3.51            | 3.41          |
| Nominal Capacity (max)                           | kW                 | 4.30 (4.70)          | 5.30 (5.70) | 5.80 (6.70)  | 9.70 (10.60)                  | 11.50 (12.00) | 12.00 (13.00) | 14.20 (17.90)   | 16.50 (21.00) |
| Water 30/35°C, Ambient -7db/-8wb°C               | COP                | 2.85                 | 3.65        | 2.57         | 2.74                          | 2.65          | 2.57          | 2.57            | 2.57          |
| Nominal Capacity (max)                           | kW                 | 4.30 (4.60)          | 5.00 (5.50) | 6.00 (6.40)  | 10.0 (10.00)                  | 11.00 (11.60) | 11.50 (12.50) | 15.00 (16.60)   | 16.50 (18.50) |
| Water 40/45°C, Ambient -7db/-8wb°C               | COP                | 2.45                 | 2.25        | 2.25         | 2.45                          | 2.25          | 2.15          | 2.08            | 1.74          |
| Nominal Capacity (max)                           | kW                 | 4.00 (4.20)          | 4.60 (5.00) | 5.00 (5.50)  | 8.70 (9.70)                   | 9.70 (11.20)  | 10.50 (12.00) | 12.50 (14.50)   | 15.50 (17.30) |
| Water 47/55°C, Ambient -7db/-8wb°C               | COP                | 1.93                 | 1.82        | 1.6          | 1.78                          | 1.85          | 1.75          | 1.70            | 1.50          |
| Water Flow Rate min/max                          | m <sup>3</sup> /hr | 0.5 / 1.9            | 0.6 / 2.0   | 0.6 / 2.1    | 1.0 / 2.9                     | 1.1 / 3.0     | 1.2 / 3.0     | 2.0 / 4.5       | 2.2 / 4.6     |
| Minimum Water Volume (Defrost)                   | L                  | 28.0                 |             |              | 38.0                          | 46.0          | 55.0          | 76.0            | 79.0          |
| Water Connections                                | Inch               | 1" Female            |             |              | 1 1/4" Female                 |               |               |                 |               |
| Expansion Vessel Size                            | L                  | 6.0                  |             |              |                               |               |               | 10.0            |               |
| Pump Type  |                    | Yonos PARA RS 15/7.0 |             |              | Yonos PARA RS 15/7.5          |               |               | UPML GEO 25-105 |               |
| Water Temperature Range                          | °C                 | 20 - 55              |             |              | 20 - 60                       |               |               |                 |               |
| Piping Diameter (liquid/gas)                     | Inch               | 1/4" / 5/8"          |             | 3/8" / 5/8"  |                               |               | 3/8" / 1 1/8" |                 | 1/2" / 1 1/8" |
| Power Supply                                     |                    | 230V/1Ph/50Hz        |             |              | 230V/1Ph/50Hz + 400V/3Ph/50Hz |               |               | 400V/3Ph/50Hz   |               |
| Circuit Breaker Size (with DHW tank heater)      | A                  | 20.0                 |             |              |                               |               |               |                 |               |
| Maximum Operating Current (with DHW tank heater) | A                  | 15.3                 |             |              | 15.4                          |               |               |                 |               |
| Sound Power Level                                | dB(A)              | 37.0                 |             |              | 39.0                          |               |               | 47.0            |               |
| Dimensions (H x W x D) Including Connections     | mm                 | 782 x 450 x 275      |             |              | 960 x 520 x 360               |               |               | 960 x 670 x 360 |               |
| Gross Weight                                     | Kg                 | 60.0                 |             | 61.0         | 71.0                          |               |               | 90.0            | 93.0          |

## IVX OUTDOOR UNITS

| Outdoor Unit Model                        | RAS 2WHVNP    | RAS 2.5WHVNP              | RAS 3WHVNP | RAS 4WH(V)NP | RAS 5WH(V)NP                  | RAS 6WH(V)NP | RAS 8WHVNP    | RAS 10WHVNP   |       |
|---|---------------|---------------------------|------------|--------------|-------------------------------|--------------|---------------|---------------|-------|
| 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"                   |              | 3/8" / 1 1/8" | 1/2" / 1 1/8" |       |
| Maximum Piping Length                     | m             | 50.0                      |            |              | 75.0                          |              |               |               |       |
| Additional Refrigerant Charge             | g (per metre) | 30.0                      | 40.0       | 60.0         |                               |              |               |               |       |
| Power Supply                              |               | 230V/1Ph/50Hz             |            |              | 230V/1Ph/50Hz + 400V/3Ph/50Hz |              |               | 400V/3Ph/50Hz |       |
| Circuit Breaker Size (Single/Three Phase) | A             | 20                        |            |              | 32 / 16                       |              |               | 24            |       |
| Maximum Operating Current                 | A             | 13.8                      | 15.8       | 17.8         | 30.5 / 14                     |              | 30.5 / 16     | 24.0          |       |
| Sound Power Level @ 7/35*                 | dB(A)         | 59.0                      | 60.0       | 61.0         | 63.0                          | 64.0         | 65.0          | 71.0          | 72.0  |
| Dimensions (H x W x D)                    | mm            | 600 x 792 x 300           |            |              | 1380 x 950 x 370              |              |               |               |       |
| Gross Weight                              | Kg            | 46.0                      |            | 49.0         | 116.0                         |              |               | 137.0         | 139.0 |
| 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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