Subtype Yutaki M 6.0HP R32 (mono)	
Certificate Holder	Johnson Controls-Hitachi AirConditioning Spain
Address	Ronda Shimizu, 1. Pol. Ind. Can Torrella
ZIP	08233
City	Vacarisses, Barcelona
Country	ES
Certification Body	BRE Global Limited
Subtype title	Yutaki M 6.0HP R32 (mono)
Registration number	041-K002-63
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	3 kg
Certification Date	14.10.2022
Testing basis	Heat Pump Keymark Scheme Rules Rev 09
Testing laboratory	Centro de Ensayos, Innovación y Servicios (CEIS), ES

Model RASM-6VR1E - heating only

Model name	RASM-6VR1E - heating only
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	13.00 kW	13.00 kW
El input	2.89 kW	4.92 kW
COP	4.50	2.64

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	175 %	133 %
Prated	13.00 kW	13.00 kW
SCOP	4.45	3.41
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.50 kW	11.50 kW
COP Tj = -7°C	2.95	2.35
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.00 kW	7.00 kW
COP Tj = +2°C	4.37	3.30
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.50 kW	4.79 kW
COP Tj = +7°C	5.70	4.30

Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.04 kW	4.68 kW
COP Tj = 12°C	8.13	6.15
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.50 kW	11.50 kW
COP Tj = Tbiv	2.95	2.35
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.50 kW	11.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.48	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	35 °C	55 °C
Poff	15 W	15 W
PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	1.50 kW	1.50 kW
Annual energy consumption Qhe	6034 kWh	7868 kWh

Model RASM-6VR1E - with cooling kit	
Model name	RASM-6VR1E - with cooling kit
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	13.00 kW	13.00 kW
El input	2.89 kW	4.92 kW
COP	4.50	2.64

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	4.04 kW	3.01 kW
Cooling capacity	13.00	14.00
EER	3.22	4.65

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	177 %	135 %
Prated	13.00 kW	13.00 kW
SCOP	4.45	3.41
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	11.50 kW	11.50 kW
COP Tj = -7°C	2.95	2.35
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.00 kW	7.00 kW
COP Tj = +2°C	4.37	3.30
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.50 kW	4.79 kW
COP Tj = +7°C	5.70	4.30
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.04 kW	4.68 kW
COP Tj = 12°C	8.13	6.15
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.50 kW	11.50 kW
COP Tj = Tbiv	2.95	2.35
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.50 kW	11.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.48	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	35 °C	55 °C
Poff	15 W	15 W
PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	1.50 kW	1.50 kW
Annual energy consumption Qhe	5979 kWh	7813 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.00 kW	14.00 kW
SEER	4.59	7.91
Pdc Tj = 35°C	13.00 kW	14.00 kW
EER Tj = 35°C	3.22	4.65
Cdc Tj = 35 °C		
Pdc Tj = 30°C	9.58 kW	10.36 kW
EER Tj = 30°C	4.07	6.24
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	6.16 kW	6.60 kW
EER Tj = 25°C	5.18	9.22
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	3.55 kW	4.87 kW
EER Tj = 20°C	5.70	13.33
Cdc Tj = 20 °C	0.900	0.900
Poff	15 W	15 W

PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	991 kWh	620 kWh

Model RASM-6VRW1E & HWM-WE - heating only	
Model name	RASM-6VRW1E & HWM-WE - heating only
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	n/a
Off-peak product	n/a

Outdoor Air/Water EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	13.00 kW	13.00 kW
El input	2.89 kW	4.92 kW
COP	4.50	2.64

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	49 dB(A)	49 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	175 %	133 %
Prated	13.00 kW	13.00 kW
SCOP	4.45	3.41
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.50 kW	11.50 kW
COP Tj = -7°C	2.95	2.35
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.00 kW	7.00 kW
COP Tj = +2°C	4.37	3.30
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.50 kW	4.79 kW

COP Tj = +7°C	5.70	4.30
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.04 kW	4.68 kW
COP Tj = 12°C	8.13	6.15
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.50 kW	11.50 kW
COP Tj = Tbiv	2.95	2.35
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.50 kW	11.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.48	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	35 °C	55 °C
Poff	15 W	15 W
PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	1.50 kW	1.50 kW
Annual energy consumption Qhe	6034 kWh	7868 kWh

Model RASM-6VRW1E & HWM-WE - with cooling kit

Model name	RASM-6VRW1E & HWM-WE - with cooling kit
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

General data

Power supply	n/a
Off-peak product	n/a

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	13.00 kW	13.00 kW
El input	2.89 kW	4.92 kW
COP	4.50	2.64

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	4.04 kW	3.01 kW
Cooling capacity	13.00	14.00
EER	3.22	4.65

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	49 dB(A)	49 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	177 %	135 %
Prated	13.00 kW	13.00 kW
SCOP	4.45	3.41
Tbiv	-7 °C	-7 °C

TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.50 kW	11.50 kW
COP Tj = -7°C	2.95	2.35
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.00 kW	7.00 kW
COP Tj = +2°C	4.37	3.30
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.50 kW	4.79 kW
COP Tj = +7°C	5.70	4.30
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.04 kW	4.68 kW
COP Tj = 12°C	8.13	6.15
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.50 kW	11.50 kW
COP Tj = Tbiv	2.95	2.35
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.50 kW	11.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.48	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	35 °C	55 °C
Poff	15 W	15 W
PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	1.50 kW	1.50 kW
Annual energy consumption Qhe	5979 kWh	7813 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.00 kW	14.00 kW
SEER	4.59	7.91
Pdc Tj = 35°C	13.00 kW	14.00 kW
EER Tj = 35°C	3.22	4.65
Cdc Tj = 35 °C		
Pdc Tj = 30°C	9.58 kW	10.36 kW
EER Tj = 30°C	4.07	6.24
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	6.16 kW	6.60 kW
EER Tj = 25°C	5.18	9.22
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	3.55 kW	4.87 kW
EER Tj = 20°C	5.70	13.33
Cdc Tj = 20 °C	0.900	0.900

Poff	15 W	15 W
PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	991 kWh	620 kWh

Model RASM-6VRW1E & HWD-WE-220S - heating only

Model name	RASM-6VRW1E & HWD-WE-220S - heating only
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	n/a
Off-peak product	n/a

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency ηDHW	110 %
COP	2.68
Heating up time	1:10 h:min
Standby power input	41.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	288 l

EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	13.00 kW	13.00 kW
El input	2.89 kW	4.92 kW
COP	4.50	2.64

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	49 dB(A)	49 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	175 %	133 %
Prated	13.00 kW	13.00 kW

SCOP	4.45	3.41
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.50 kW	11.50 kW
COP Tj = -7°C	2.95	2.35
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.00 kW	7.00 kW
COP Tj = +2°C	4.37	3.30
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.50 kW	4.79 kW
COP Tj = +7°C	5.70	4.30
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.04 kW	4.68 kW
COP Tj = 12°C	8.13	6.15
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.50 kW	11.50 kW
COP Tj = Tbiv	2.95	2.35
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.50 kW	11.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.48	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	35 °C	55 °C
Poff	15 W	15 W
PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	1.50 kW	1.50 kW
Annual energy consumption Qhe	6034 kWh	7868 kWh

Model RASM-6VRW1E & HWD-WE-220S-K - heating only

Model name	RASM-6VRW1E & HWD-WE-220S-K - heating only
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	n/a
Off-peak product	n/a

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency ηDHW	110 %
COP	2.68
Heating up time	1:10 h:min
Standby power input	41.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	288 l

EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	13.00 kW	13.00 kW
El input	2.89 kW	4.92 kW
COP	4.50	2.64

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	49 dB(A)	49 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	175 %	133 %
Prated	13.00 kW	13.00 kW

SCOP	4.45	3.41
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.50 kW	11.50 kW
COP Tj = -7°C	2.95	2.35
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.00 kW	7.00 kW
COP Tj = +2°C	4.37	3.30
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.50 kW	4.79 kW
COP Tj = +7°C	5.70	4.30
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.04 kW	4.68 kW
COP Tj = 12°C	8.13	6.15
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.50 kW	11.50 kW
COP Tj = Tbiv	2.95	2.35
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.50 kW	11.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.48	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	35 °C	55 °C
Poff	15 W	15 W
PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	1.50 kW	1.50 kW
Annual energy consumption Qhe	6034 kWh	7868 kWh

Model RASM-6VRW1E & HWD-WE-220S - with cooling kit	
Model name	RASM-6VRW1E & HWD-WE-220S - with cooling kit
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

General data	
Power supply	n/a
Off-peak product	n/a

Outdoor Air/Water EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	110 %
COP	2.68
Heating up time	1:10 h:min
Standby power input	41.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	288 l

EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	13.00 kW	13.00 kW
El input	2.89 kW	4.92 kW
COP	4.50	2.64

EN 14511-2 | Cooling	+7°C/+12°C	+18°C/+23°C
El input	4.04 kW	3.01 kW
Cooling capacity	13.00	14.00
EER	3.22	4.65

EN 12102-1 | Average Climate	Low temperature	Medium temperature

Sound power level indoor	49 dB(A)	49 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	177 %	135 %
Prated	13.00 kW	13.00 kW
SCOP	4.45	3.41
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.50 kW	11.50 kW
COP Tj = -7°C	2.95	2.35
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.00 kW	7.00 kW
COP Tj = +2°C	4.37	3.30
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.50 kW	4.79 kW
COP Tj = +7°C	5.70	4.30
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.04 kW	4.68 kW
COP Tj = 12°C	8.13	6.15
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.50 kW	11.50 kW
COP Tj = Tbiv	2.95	2.35
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.50 kW	11.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.48	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	35 °C	55 °C
Poff	15 W	15 W
PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	1.50 kW	1.50 kW
Annual energy consumption Qhe	5979 kWh	7813 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.00 kW	14.00 kW
SEER	4.59	7.91
Pdc Tj = 35°C	13.00 kW	14.00 kW
EER Tj = 35°C	3.22	4.65
Cdc Tj = 35 °C		

Pdc Tj = 30°C	9.58 kW	10.36 kW
EER Tj = 30°C	4.07	6.24
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	6.16 kW	6.60 kW
EER Tj = 25°C	5.18	9.22
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	3.55 kW	4.87 kW
EER Tj = 20°C	5.70	13.33
Cdc Tj = 20 °C	0.900	0.900
Poff	15 W	15 W
PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	991 kWh	620 kWh