Subtype Yutaki M 6.0HP R32 (tri)	
Certificate Holder	Bosch Home Comfort Barcelona S.A.U.
Address	Ronda Shimizu, 1. Pol. Ind. Can Torrella
ZIP	08233
City	Vacarisses, Barcelona
Country	ES
Certification Body	BRE
Subtype title	Yutaki M 6.0HP R32 (tri)
Registration number	041-K002-64
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-6R1E - heating only

Model name	RASM-6R1E - 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	3x400V 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	163 %	128 %
Prated	13.00 kW	13.00 kW
SCOP	4.15	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.50 kW	11.50 kW
COP Tj = -7°C	2.94	2.35
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.00 kW	7.00 kW
COP Tj = +2°C	4.36	3.30
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.20 kW	6.30 kW
COP Tj = +7°C	5.03	4.06

Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.80 kW	4.50 kW
COP Tj = 12°C	5.95	5.23
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.50 kW	11.50 kW
COP Tj = Tbiv	2.94	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	2.47	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	35 °C	55 °C
Poff	29 W	29 W
PTO	0 W	0 W
PSB	29 W	29 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	6472 kWh	8190 kWh

Model RASM-6R1E - with cooling kit	
Model name	RASM-6R1E - 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	3x400V 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	166 %	130 %
Prated	13.00 kW	13.00 kW
SCOP	4.15	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	11.50 kW	11.50 kW
COP Tj = -7°C	2.94	2.35
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.00 kW	7.00 kW
COP Tj = +2°C	4.36	3.30
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.20 kW	6.30 kW
COP Tj = +7°C	5.03	4.06
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.80 kW	4.50 kW
COP Tj = 12°C	5.95	5.23
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.50 kW	11.50 kW
COP Tj = Tbiv	2.94	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	2.47	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	35 °C	55 °C
Poff	29 W	29 W
PTO	0 W	0 W
PSB	29 W	29 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	6366 kWh	8084 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.00 kW	14.00 kW
SEER	4.08	6.97
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	10.32 kW
EER Tj = 30°C	4.07	6.24
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	6.16 kW	6.63 kW
EER Tj = 25°C	4.61	8.45
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	3.14 kW	4.90 kW
EER Tj = 20°C	4.63	10.39
Cdc Tj = 20 °C	0.900	0.900
Poff	29 W	29 W

PTO	0 W	0 W
PSB	29 W	29 W
PCK	0 W	0 W
Annual energy consumption Qce	1115 kWh	703 kWh

Model RASM-6RW1E & HWM-WE - heating only

Model name	RASM-6RW1E & 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	163 %	128 %
Prated	13.00 kW	13.00 kW
SCOP	4.15	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.50 kW	11.50 kW
COP Tj = -7°C	2.94	2.35
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.00 kW	7.00 kW
COP Tj = +2°C	4.36	3.30
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.20 kW	6.30 kW

COP Tj = +7°C	5.03	4.06
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.80 kW	4.50 kW
COP Tj = 12°C	5.95	5.23
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.50 kW	11.50 kW
COP Tj = Tbiv	2.94	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	2.47	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	35 °C	55 °C
Poff	29 W	29 W
PTO	0 W	0 W
PSB	29 W	29 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	6472 kWh	8190 kWh

Model RASM-6RW1E & HWM-WE - with cooling kit	
Model name	RASM-6RW1E & 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	166 %	130 %
Prated	13.00 kW	13.00 kW
SCOP	4.15	3.28
Tbiv	-7 °C	-7 °C

TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.50 kW	11.50 kW
COP Tj = -7°C	2.94	2.35
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.00 kW	7.00 kW
COP Tj = +2°C	4.36	3.30
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.20 kW	6.30 kW
COP Tj = +7°C	5.03	4.06
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.80 kW	4.50 kW
COP Tj = 12°C	5.95	5.23
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.50 kW	11.50 kW
COP Tj = Tbiv	2.94	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	2.47	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	35 °C	55 °C
Poff	29 W	29 W
PTO	0 W	0 W
PSB	29 W	29 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	6366 kWh	8084 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.00 kW	14.00 kW
SEER	4.08	6.97
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	10.32 kW
EER Tj = 30°C	4.07	6.24
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	6.16 kW	6.63 kW
EER Tj = 25°C	4.61	8.45
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	3.14 kW	4.90 kW
EER Tj = 20°C	4.63	10.39
Cdc Tj = 20 °C	0.900	0.900

Poff	29 W	29 W
PTO	0 W	0 W
PSB	29 W	29 W
PCK	0 W	0 W
Annual energy consumption Qce	1115 kWh	703 kWh

Model RASM-6RW1E & HWD-WE-220S - heating only

Model name	RASM-6RW1E & 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	95 %
COP	2.30
Heating up time	1:10 h:min
Standby power input	56.0 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	163 %	128 %
Prated	13.00 kW	13.00 kW

SCOP	4.15	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.50 kW	11.50 kW
COP Tj = -7°C	2.94	2.35
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.00 kW	7.00 kW
COP Tj = +2°C	4.36	3.30
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.20 kW	6.30 kW
COP Tj = +7°C	5.03	4.06
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.80 kW	4.50 kW
COP Tj = 12°C	5.95	5.23
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.50 kW	11.50 kW
COP Tj = Tbiv	2.94	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	2.47	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	35 °C	55 °C
Poff	29 W	29 W
PTO	0 W	0 W
PSB	29 W	29 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	6472 kWh	8190 kWh

Model RASM-6RW1E & HWD-WE-220S-K - heating only

Model name	RASM-6RW1E & 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	95 %
COP	2.30
Heating up time	1:10 h:min
Standby power input	56.0 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	163 %	128 %
Prated	13.00 kW	13.00 kW

SCOP	4.15	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.50 kW	11.50 kW
COP Tj = -7°C	2.94	2.35
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.00 kW	7.00 kW
COP Tj = +2°C	4.36	3.30
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.20 kW	6.30 kW
COP Tj = +7°C	5.03	4.06
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.80 kW	4.50 kW
COP Tj = 12°C	5.95	5.23
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.50 kW	11.50 kW
COP Tj = Tbiv	2.94	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	2.47	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	35 °C	55 °C
Poff	29 W	29 W
PTO	0 W	0 W
PSB	29 W	29 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	6472 kWh	8190 kWh

Model RASM-6RW1E & HWD-WE-220S - with cooling kit

Model name	RASM-6RW1E & 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	95 %
COP	2.30
Heating up time	1:10 h:min
Standby power input	56.0 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	166 %	130 %
Prated	13.00 kW	13.00 kW
SCOP	4.15	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.50 kW	11.50 kW
COP Tj = -7°C	2.94	2.35
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.00 kW	7.00 kW
COP Tj = +2°C	4.36	3.30
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.20 kW	6.30 kW
COP Tj = +7°C	5.03	4.06
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.80 kW	4.50 kW
COP Tj = 12°C	5.95	5.23
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.50 kW	11.50 kW
COP Tj = Tbiv	2.94	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	2.47	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	35 °C	55 °C
Poff	29 W	29 W
PTO	0 W	0 W
PSB	29 W	29 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	6366 kWh	8084 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.00 kW	14.00 kW
SEER	4.08	6.97
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	10.32 kW
EER Tj = 30°C	4.07	6.24
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	6.16 kW	6.63 kW
EER Tj = 25°C	4.61	8.45
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	3.14 kW	4.90 kW
EER Tj = 20°C	4.63	10.39
Cdc Tj = 20 °C	0.900	0.900
Poff	29 W	29 W
PTO	0 W	0 W
PSB	29 W	29 W
PCK	0 W	0 W
Annual energy consumption Qce	1115 kWh	703 kWh