Login

Summary of	24. Yutaki M 6.0HP (tri)	Reg. No.	041-K002-24
Certificate Holder			
Name	Johnson Controls-Hitachi AirConditioning Spain		
Address	Ronda Shimizu, 1. Pol. Ind. Can Torrella	Zip	08233
City	Vacarisses, Barcelona	Country	Spain
Certification Body	BRE Global Limited		
Subtype title	24. Yutaki M 6.0HP (tri)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	3.1 kg		

Model: RASM-6NE - Heating Only

Configure model	
Model name	RASM-6NE - Heating Only
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	16.00 kW	16.00 kW
El input	3.50 kW	6.40 kW
COP	4.57	2.50

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	69 dB(A)	69 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	152 %	125 %
Prated	16.00 kW	14.00 kW
SCOP	3.88	3.20
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	13.80 kW	11.20 kW
COP Tj = -7°C	2.40	1.60
Pdh Tj = +2°C	8.40 kW	6.82 kW
COP Tj = +2°C	3.90	3.35
Pdh Tj = +7°C	5.40 kW	4.38 kW
COP Tj = +7°C	5.00	4.35
Pdh Tj = 12°C	3.50 kW	3.60 kW
COP Tj = 12°C	6.00	5.50
Pdh Tj = Tbiv	13.80 kW	11.20 kW
COP Tj = Tbiv	2.40	1.60

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.10 kW	11.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.55
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	19 W	19 W
PTO	0 W	0 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.30 kW
Annual energy consumption Qhe	8309 kWh	8192 kWh

Model: RASM-6NE - with cooling kit

Configure model	
Model name	RASM-6NE - with cooling kit
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	16.00 kW	16.00 kW
El input	3.50 kW	6.40 kW
COP	4.57	2.50

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level outdoor	69 dB(A)	69 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	153 %	126 %
Prated	16.00 kW	14.00 kW
SCOP	3.90	3.23
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	13.80 kW	11.20 kW
COP Tj = -7°C	2.40	1.60
Pdh Tj = +2°C	8.40 kW	6.82 kW
COP Tj = +2°C	3.90	3.35
Pdh Tj = +7°C	5.40 kW	4.38 kW
COP Tj = +7°C	5.00	4.35
Pdh Tj = 12°C	3.50 kW	3.60 kW
COP Tj = 12°C	6.00	5.50
Pdh Tj = Tbiv	13.80 kW	11.20 kW
COP Tj = Tbiv	2.40	1.60

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.10 kW	11.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.55
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	19 W	19 W
PTO	0 W	0 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.30 kW
Annual energy consumption Qhe	8239 kWh	8122 kWh