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Login

Summary of	18. Yutaki M 3.0HP (mono	Reg. No.	041-K002-18
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	18. Yutaki M 3.0HP (mono		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	2.4 kg		

Model: RASM-3VNE - Heating Only

Configure model	
Model name	RASM-3VNE - Heating Only
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 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	7.50 kW	7.50 kW
El input	1.65 kW	2.78 kW
COP	4.55	2.70

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	164 %	125 %
Prated	7.00 kW	6.00 kW
SCOP	4.18	3.20
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.90 kW	5.10 kW
COP Tj = -7°C	2.50	1.84
Pdh Tj = +2°C	3.59 kW	3.10 kW
COP Tj = +2°C	4.40	3.20
Pdh Tj = +7°C	2.31 kW	2.00 kW
COP Tj = +7°C	5.35	4.45
Pdh Tj = 12°C	2.10 kW	2.30 kW
COP Tj = 12°C	6.15	5.96
Pdh Tj = Tbiv	5.90 kW	5.10 kW
COP Tj = Tbiv	2.50	1.84

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.40 kW	5.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °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	Electricity	Electricity
Supplementary Heater: PSUP	0.60 kW	0.60 kW
Annual energy consumption Qhe	3298 kWh	3726 kWh

Model: RASM-3VNE - with cooling kit

Configure model	
Model name	RASM-3VNE - 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	1x230V 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	7.50 kW	7.50 kW
El input	1.65 kW	2.78 kW
COP	4.55	2.70

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	167 %	127 %
Prated	7.00 kW	6.00 kW
SCOP	4.25	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.90 kW	5.10 kW
COP Tj = -7°C	2.50	1.84
Pdh Tj = +2°C	3.59 kW	3.10 kW
COP Tj = +2°C	4.40	3.20
Pdh Tj = +7°C	2.31 kW	2.00 kW
COP Tj = +7°C	5.35	4.45
Pdh Tj = 12°C	2.10 kW	2.30 kW
COP Tj = 12°C	6.15	5.96
Pdh Tj = Tbiv	5.90 kW	5.10 kW
COP Tj = Tbiv	2.50	1.84

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.40 kW	5.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °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	Electricity	Electricity
Supplementary Heater: PSUP	0.60 kW	0.60 kW
Annual energy consumption Qhe	3242 kWh	3671 kWh