

UT12H / UT18H / UT21H / UT24H



Indoor				UT12H NP1	UT18H NP1	UT21H NN1	UT24H NN1
Capacity	Cooling	Min/Nom/Max	kW	1.4 / 3.5 / 4.2	2.0 / 5.0 / 5.5	2.8 / 6.0 / 8.0	2.8 / 7.0 / 8.4
	Heating	Min/Nom/Max	kW	1.6 / 4.2 / 5.0	2.2 / 5.5 / 6.1	3.2 / 7.0 / 9.0	3.2 / 8.0 / 9.4
Low Temperature Capacity	Heating -7°C	Max	kW	4.1	5.3	7.1	7.9
Power Input (Set)	Cooling	Nom	kW	0.99	1.35	1.53	1.92
	Heating	Nom	kW	1.04	1.35	1.66	1.93
Power Input (Indoor)		Min/Nom/Max	W	20 / 30 / 30	20 / 50 / 60	30 / 70 / 80	40 / 110 / 120
Running Current	Cooling/Heating	Nom	A	4.4 / 4.6	6.0 / 6.7	7.6 / 7.7	9.5 / 9.0
Power Supply			ϕ/V/Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.54	3.7	3.92	3.65
COP				4.04	4.07	4.22	4.15
SEER				6.11	5.81	5.81	5.81
SCOP				4.11	4.01	4.11	4.11
Pdesign (@-10°C)			kW	4.0	5.0	7.0	7.2
Seasonal Energy Label	Cooling/Heating			A++ / A+	A+ / A+	A+ / A+	A+ / A+
Annual Energy Consumption	Cooling/Heating		kWh	201 / 1,366	302 / 1,750	362 / 2,390	422 / 2,459
Piping Connection	Liquid		mm(inch)	ϕ 6.35 (1/4)	ϕ 6.35 (1/4)	ϕ 9.52 (3/8)	ϕ 9.52 (3/8)
	Gas		mm(inch)	ϕ 9.52 (3/8)	ϕ 12.7 (1/2)	ϕ 15.88 (5/8)	ϕ 15.88 (5/8)
	Drain	O.D./I.D.	mm	32 / 25	32 / 25	32 / 25	32 / 25
Air Flow Rate		High/Medium/Low	m³/min	13.0 / 12.0 / 10.0	17.0 / 15.0 / 13.0	21.0 / 18.0 / 16.0	21.0 / 18.0 / 16.0
Sound Pressure	Cooling	High/Medium/Low	dBA	35 / 33 / 31	39 / 37 / 34	40 / 38 / 36	40 / 38 / 36
Sound Power	Cooling	Max	dBA	44	52	54	59
Dehumidification Rate			l/h	1.3	2.1	2.7	2.7
Dimensions	Body	WxHxD	mm	840 x 204 x 840	840 x 204 x 840	840 x 246 x 840	840 x 246 x 840
Net Weight	Body		kg	21.0	21.0	23.5	23.5
Decoration Panel	Model			PT-UHC1	PT-UHC1	PT-UHC1	PT-UHC1
	Color			Morning Fog	Morning Fog	Morning Fog	Morning Fog
	Dimensions	WxHxD	mm	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950
	Weight		kg	5.0	5.0	5.0	5.0
Outdoor				UU12WH UE1	UU18WH UE1	UU21WH U41	UU24WH U41
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Airflow Rate		Nom	m³/min	50	58	58	58
Sound Pressure	Cooling	Nom	dBA	48	47	47	47
	Heating	Nom	dBA	48	50	50	50
Sound Power	Cooling	Max	dBA	60	60	62	63
Dimensions	WxHxD		mm	870 x 655 x 320	870 x 808 x 320	950 x 834 x 330	950 x 834 x 330
Net Weight			kg	46.0	58.0	63.0	63.0
Refrigerant	Type			R410A	R410A	R410A	R410A
	Charge		g	1,250	2,000	2,200	2,200
	Additional Charge (after 10m)		g/m	20	20	40	40
Operation Range (Outdoor)	Cooling	Min~Max	°C DB	-10 ~ 48	-10 ~ 48	-10 ~ 48	-10 ~ 48
	Heating	Min~Max	°C WB	-18 ~ 18	-18 ~ 18	-18 ~ 18	-18 ~ 18
Power Supply			ϕ/V/Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm²	3C x 2.5	3C x 2.5	3C x 2.5	3C x 2.5
Transmission Cable			No. x mm²	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	15	20	25	25
Piping Length Total		Min~Max	m	5 ~ 30	5 ~ 50	5 ~ 50	5 ~ 50
Piping Elevation Difference	IDU-ODU	Max	m	20	30	30	30
Piping Connection	Liquid		mm(inch)	ϕ 6.35 (1/4)	ϕ 6.35 (1/4)	ϕ 9.52 (3/8)	ϕ 9.52 (3/8)
	Gas		mm(inch)	ϕ 9.52 (3/8)	ϕ 12.7 (1/2)	ϕ 15.88 (5/8)	ϕ 15.88 (5/8)

Note : 1. Due to our policy of innovation some specifications may be changed without notification.

2. Capacities are based on the following conditions:

Cooling : - Indoor Temperature 27°C DB /19°C WB Heating : - Indoor Temperature 20°C DB / 15°C WB
 - Outdoor Temperature 35°C DB /24°C WB - Outdoor Temperature 7°C DB / 6°C WB

3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

UT36H / UT42H / UT48H



UU36WH
UU42WH
UU48WH

Indoor				UT36H NM1	UT42H NM1	UT48H NM1
Capacity	Cooling	Min/Nom/Max	kW	4.5 / 10.0 / 13.0	5.0 / 12.5 / 14.9	5.5 / 13.4 / 16.0
	Heating	Min/Nom/Max	kW	4.9 / 11.2 / 14.0	5.5 / 14.0 / 16.8	6.4 / 15.5 / 17.9
Low Temperature Capacity	Heating -7°C	Max	kW	11.1	13.9	15.3
Power Input (Set)	Cooling	Nom	kW	2.60	3.66	4.15
	Heating	Nom	kW	2.51	3.41	4.07
Power Input (Indoor)		Min/Nom/Max	W	40 / 190 / 210	50 / 190 / 210	50 / 190 / 210
Running Current	Cooling/Heating	Nom	A	11.5 / 11.3	16.8 / 15.0	18.7 / 18.0
Power Supply			øV/Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.85	3.42	3.23
COP				4.46	4.11	3.81
SEER				5.61	-	-
SCOP				4.11	-	-
Pdesign (@-10°C)			kW	11.3	-	-
Seasonal Energy Label	Cooling/Heating			A+ / A+	-	-
Annual Energy Consumption	Cooling/Heating		kWh	625 / 3,859	-	-
Piping Connection	Liquid		mm(inch)	ø 9.52 (3/8)	ø 9.52 (3/8)	ø 9.52 (3/8)
	Gas		mm(inch)	ø 15.88 (5/8)	ø 15.88 (5/8)	ø 15.88 (5/8)
	Drain	O.D./I.D.	mm	32 / 25	32 / 25	32 / 25
Air Flow Rate		High/Medium/Low	m³/min	32.0 / 26.1 / 20.2	32.0 / 26.7 / 21.5	32.0 / 27.4 / 22.8
Sound Pressure	Cooling	High/Medium/Low	dBA	47 / 45 / 42	47 / 45 / 42	47 / 45 / 42
Sound Power	Cooling	Max	dBA	62	62	62
Dehumidification Rate			l/h	2.7	3.6	3.6
Dimensions	Body	WxHxD	mm	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
Net Weight	Body		kg	28.0	28.0	28.0
Decoration Panel	Model			PT-UMC1	PT-UMC1	PT-UMC1
	Color			Morning Fog	Morning Fog	Morning Fog
	Dimensions	WxHxD	mm	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950
	Weight		kg	5.0	5.0	5.0
Outdoor				UU36WH U31	UU42WH U31	UU48WH U31
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary
Airflow Rate		Nom	m³/min	110	110	110
Sound Pressure	Cooling	Nom	dBA	51	51	51
	Heating	Nom	dBA	53	53	53
Sound Power	Cooling	Max	dBA	65	66	66
Dimensions	WxHxD		mm	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg	103.0	103.0	103.0
Refrigerant	Type			R410A	R410A	R410A
	Charge		g	3,600	3,600	3,600
	Additional Refrigerant Charge (after 7.5m)		g/m	40	40	40
Operation Range (Outdoor)	Cooling	Min~Max	°C DB	-10 ~ 48	-10 ~ 48	-10 ~ 48
	Heating	Min~Max	°C WB	-18 ~ 18	-18 ~ 18	-18 ~ 18
Power Supply			øV/Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm²	3C x 5.0	3C x 5.0	3C x 5.0
Transmission Cable			No. x mm²	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	40	40	40
Piping Length Total		Min~Max	m	5 ~ 75	5 ~ 75	5 ~ 75
Piping Elevation Difference	IDU-ODU	Max	m	30	30	30
Piping Connection	Liquid		mm(inch)	ø 9.52 (3/8)	ø 9.52 (3/8)	ø 9.52 (3/8)
	Gas		mm(inch)	ø 15.88 (5/8)	ø 15.88 (5/8)	ø 15.88 (5/8)

Note : 1. Due to our policy of innovation some specifications may be changed without notification.

2. Capacities are based on the following conditions:

Cooling : - Indoor Temperature 27°C DB / 19°C WB Heating : - Indoor Temperature 20°C DB / 15°C WB
- Outdoor Temperature 35°C DB / 24°C WB - Outdoor Temperature 7°C DB / 6°C WB

3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition

UT36H / UT42H / UT48H



UU37WH
UU43WH
UU49WH



Indoor				UT36H NM1	UT42H NM1	UT48H NM1
Capacity	Cooling	Min/Nom/Max	kW	4.5 / 10.0 / 13.0	5.0 / 12.5 / 14.9	5.5 / 13.4 / 16.0
	Heating	Min/Nom/Max	kW	4.9 / 11.2 / 14.0	5.5 / 14.0 / 16.8	6.4 / 15.5 / 17.9
Low Temperature Capacity	Heating -7°C	Max	kW	11.1	13.9	15.3
Power Input (Set)	Cooling	Nom	kW	2.60	3.66	4.15
	Heating	Nom	kW	2.57	3.41	4.07
Power Input (Indoor)		Min/Nom/Max	W	40 / 190 / 210	50 / 190 / 210	50 / 190 / 210
Running Current	Cooling/Heating	Nom	A	4.2 / 4.1	6.0 / 5.7	6.7 / 6.5
Power Supply			ϕ/V/Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.85	3.42	3.23
COP				4.46	4.11	3.81
SEER				5.61	-	-
SCOP				4.01	-	-
Pdesign (@-10°C)			kW	11.3	-	-
Seasonal Energy Label	Cooling/Heating			A+ / A+	-	-
Annual Energy Consumption	Cooling/Heating		kWh	625 / 3,955	-	-
Piping Connection	Liquid		mm(inch)	ø 9.52 (3/8)	ø 9.52 (3/8)	ø 9.52 (3/8)
	Gas		mm(inch)	ø 15.88 (5/8)	ø 15.88 (5/8)	ø 15.88 (5/8)
	Drain	O.D./I.D.	mm	32 / 25	32 / 25	32 / 25
Air Flow Rate		High/Medium/Low	m³/min	32.0 / 26.1 / 20.2	32.0 / 26.7 / 21.5	32.0 / 27.4 / 22.8
Sound Pressure	Cooling	High/Medium/Low	dBA	47 / 45 / 42	47 / 45 / 42	47 / 45 / 42
Sound Power	Cooling	Max	dBA	62	62	62
Dehumidification Rate			l/h	2.7	3.6	3.6
Dimensions	Body	WxHxD	mm	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
Net Weight	Body		kg	28.0	28.0	28.0
Decoration Panel	Model			PT-UMC1	PT-UMC1	PT-UMC1
	Color			Morning Fog	Morning Fog	Morning Fog
	Dimensions	WxHxD	mm	950 x 25 x 950	950 x 25 x 950	950 x 25 x 950
	Weight		kg	5.0	5.0	5.0
Outdoor				UU37WH U31	UU43WH U31	UU49WH U31
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary
Airflow Rate		Nom	m³/min	110	110	110
Sound Pressure	Cooling	Nom	dBA	51	51	51
	Heating	Nom	dBA	53	53	53
Sound Power	Cooling	Max	dBA	65	66	66
Dimensions	WxHxD		mm	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg	103.0	103.0	103.0
Refrigerant	Type			R410A	R410A	R410A
	Charge		g	3,600	3,600	3,600
	Additional Refrigerant Charge (after 7.5m)		g/m	40	40	40
Operation Range (Outdoor)	Cooling	Min~Max	°C DB	-10 ~ 48	-10 ~ 48	-10 ~ 48
	Heating	Min~Max	°C WB	-18 ~ 18	-18 ~ 18	-18 ~ 18
Power Supply			ϕ/V/Hz	3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50
Power Supply Cable			No. x mm²	5C x 2.5	5C x 2.5	5C x 2.5
Transmission Cable			No. x mm²	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	20	20	20
Piping Length Total		Min~Max	m	5 ~ 75	5 ~ 75	5 ~ 75
Piping Elevation Difference	IDU-ODU	Max	m	30	30	30
Piping Connection	Liquid		mm(inch)	ø 9.52 (3/8)	ø 9.52 (3/8)	ø 9.52 (3/8)
	Gas		mm(inch)	ø 15.88 (5/8)	ø 15.88 (5/8)	ø 15.88 (5/8)

Note : 1. Due to our policy of innovation some specifications may be changed without notification.

2. Capacities are based on the following conditions:

Cooling : - Indoor Temperature 27°C DB / 19°C WB Heating : - Indoor Temperature 20°C DB / 15°C WB
 - Outdoor Temperature 35°C DB / 24°C WB - Outdoor Temperature 7°C DB / 6°C WB

3. Annual energy consumption: based on average use of 500 running hours per year at nominal condition