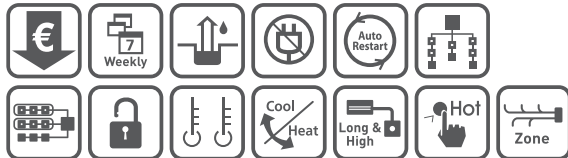


# High Static Duct

## UB18H / UB21H / UB24H



Indoor				UB18H NG1	UB21H NG1	UB24H NG1
Capacity	Cooling	Min/Nom/Max	kW	2.5 / 5.0 / 6.0	2.4 / 6.0 / 6.6	2.8 / 7.1 / 7.8
	Heating	Min/Nom/Max	kW	3.0 / 6.0 / 7.2	2.8 / 7.0 / 7.7	3.2 / 8.0 / 8.8
Low Temperature Capacity	Heating -7°C		Max	5.9	6.9	7.9
	Cooling	Nom	kW	1.35	1.73	2.09
Power Input (Set)	Heating		Nom	1.49	1.74	1.99
	Min/Nom/Max (ESP 2.5mmAq)		W	60 / 80 / 80	60 / 100 / 100	60 / 100 / 100
Power Input (Indoor)		Min/Max (ESP 8.0mmAq)		W	90 / 120	100 / 140
Running Current	Cooling/Heating	Nom	A	6.0 / 6.7	7.6 / 7.7	9.5 / 9.0
Power Supply				øV/Hz	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.70	3.47	3.40
COP				4.03	4.02	4.02
SEER				5.31	5.61	5.61
SCOP				4.11	4.01	4.01
Pdesign (@-10°C)			kW	5.5	7.0	7.2
Seasonal Energy Label	Cooling/Heating			A / A+	A+ / A+	A+ / A+
Annual Energy Consumption	Cooling/Heating		kWh	330 / 1,878	375 / 2,450	444 / 2,520
	Liquid			mm(inch)	ø 6.35 (1/4)	ø 9.52 (3/8)
Piping Connection	Gas			mm(inch)	ø 12.7 (1/2)	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	17.0 / 15.0 / 13.0	25.0 / 20.0 / 14.0	25.0 / 20.0 / 14.0
Sound Pressure	Cooling	High/Medium/Low	dB(A)	30 / 28 / 27	37 / 33 / 29	37 / 33 / 29
Sound Power	Cooling	Max	dB(A)	56	60	60
Dehumidification Rate				l/h	1.2	0.4
Dimensions	Body	WxHxD	mm	1,182 x 298 x 450	1,182 x 298 x 450	1,182 x 298 x 450
Net Weight	Body			kg	34.0	35.0
External Static Pressure			Min-Max	mmAq(Pa)	2.5-10(25-98)	2.5-10(25-98)
Outdoor				UU18WH UE1	UU21WH U41	UU24WH U41
Compressor	Type		Twin Rotary			
Airflow Rate	Nom		m³/min	58	58	58
Sound Pressure	Cooling	Nom	dB(A)	47	47	47
	Heating	Nom	dB(A)	50	50	50
Sound Power	Cooling	Max	dB(A)	60	62	63
Dimensions	WxHxD		mm	870 x 808 x 320	950 x 834 x 330	950 x 834 x 330
Net Weight			kg	58.0	63.0	63.0
Refrigerant	Type		R410A			
	Charge		g	2000	2200	2200
	Additional Charge (after 10m)		g/m	20	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
Power Supply Cable				No. x mm²	3C x 2.5	3C x 2.5
Transmission Cable				No. x mm²	4C x 0.75	4C x 0.75
Circuit Breaker				A	20	25
Piping Length Total			Min-Max	m	5 ~ 50	5 ~ 50
Piping Elevation Difference			Max	m	30	30
Piping Connection	Liquid			mm(inch)	ø 6.35 (1/4)	ø 9.52 (3/8)
	Gas			mm(inch)	ø 12.7 (1/2)	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

# High Static Duct

## UB36H / UB42H / UB48H

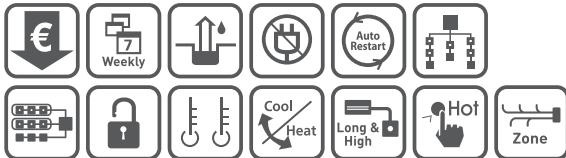


Indoor				UB36H NR1	UB42H NR1	UB48H NR1
Capacity	Cooling	Min/Nom/Max	kW	4.8 / 10.0 / 14.1	5.0 / 12.5 / 15.0	5.6 / 13.4 / 16.0
	Heating	Min/Nom/Max	kW	5.2 / 11.2 / 14.5	5.6 / 14.0 / 17.6	6.6 / 15.5 / 18.5
Low Temperature Capacity	Heating -7°C		Max	11.7	14.4	15.5
	Cooling	Nom	kW	2.69	3.67	4.15
Power Input (Set)	Heating		Nom	2.51	3.25	3.82
	Min/Nom/Max (ESP 4.0mmAq)		W	80 / 100 / 180	90 / 190 / 190	100 / 220 / 220
Power Input (Indoor)		Min/Nom/Max (ESP 10.0mmAq)		W	100 / 200	120 / 220
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				3.72	3.41	3.23
COP				4.46	4.31	4.06
SEER				5.31	-	-
SCOP				4.01	-	-
Pdesign (@-10°C)			kW	11.3	-	-
Seasonal Energy Label	Cooling/Heating			A / A+	-	-
Annual Energy Consumption	Cooling/Heating			kWh	660 / 3,955	-
Piping Connection	Liquid			mm(inch)	ø 9.52 (3/8)	ø 9.52 (3/8)
	Gas			mm(inch)	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	34.0 / 27.0 / 20.0	37.0 / 31.0 / 24.0
Sound Pressure	Cooling			High/Medium/Low	dB(A)	38 / 37 / 36
Sound Power	Cooling			Max	dB(A)	61
Dehumidification Rate				l/h	4.0	5.0
Dimensions	Body	WxHxD		mm	1,230 x 380 x 590	1,230 x 380 x 590
Net Weight	Body			kg	53.0	53.0
External Static Pressure			Min~Max	mmAq(Pa)	4~12(39~118)	5~12(49~118)
Outdoor				UU36WH U31	UU42WH U31	UU48WH U31
Compressor			Type	Twin Rotary		
Airflow Rate			Nom	m³/min		
Sound Pressure	Cooling			dB(A)		
	Heating			dB(A)		
Sound Power	Cooling			dB(A)		
Dimensions			WxHxD	mm		
Net Weight				kg		
Refrigerant			Type	R410A		
			Charge	g		
			Additional Refrigerant Charge (after 7.5m)	g/m		
Operation Range (Outdoor)	Cooling	Min~Max		°C DB		
	Heating	Min~Max		°C WB		
Power Supply				øV/Hz		
Power Supply Cable				No. x mm²		
Transmission Cable				No. x mm²		
Circuit Breaker				A		
Piping Length Total			Min~Max	m		
Piping Elevation Difference	IDU-ODU	Max		m		
Piping Connection	Liquid			mm(inch)		
	Gas			mm(inch)		

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

# High Static Duct

## UB36H / UB42H / UB48H



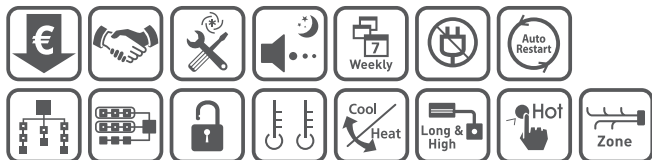
Indoor				UB36H NR1	UB42H NR1	UB48H NR1
Capacity	Cooling	Min/Nom/Max	kW	4.8 / 10.0 / 14.1	5.0 / 12.5 / 15.0	5.6 / 13.4 / 16.0
	Heating	Min/Nom/Max	kW	5.2 / 11.2 / 14.5	5.6 / 14.0 / 17.6	6.6 / 15.5 / 18.5
Low Temperature Capacity	Heating -7°C		Max	kW	14.4	15.5
	Cooling	Nom	kW	2.69	3.67	4.15
Power Input (Set)	Heating		Nom	kW	2.51	3.82
	Min/Nom/Max (ESP 4.0mmAq)		W	80 / 100 / 180	90 / 190 / 190	100 / 220 / 220
Power Input (Indoor)		Min/Nom/Max (ESP 10.0mmAq)		W	100 / 200	120 / 220
Running Current	Cooling/Heating	Nom	A	4.2 / 4.1	6.0 / 5.7	6.7 / 6.5
Power Supply			øV/Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.72	3.41	3.23
COP				4.46	4.31	4.06
SEER				5.31	-	-
SCOP				4.01	-	-
Pdesign (@-10°C)			kW	11.3	-	-
Seasonal Energy Label	Cooling/Heating			A / A+	-	-
Annual Energy Consumption	Cooling/Heating		kWh	660 / 3,955	-	-
	Liquid			mm(inch)	ø 9.52 (3/8)	ø 9.52 (3/8)
Piping Connection	Gas			mm(inch)	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	34.0 / 27.0 / 20.0	37.0 / 31.0 / 24.0	40.0 / 34.0 / 28.0
Sound Pressure	Cooling	High/Medium/Low	dBA	38 / 37 / 36	39 / 38 / 37	39 / 38 / 37
Sound Power	Cooling	Max	dBA	61	64	64
Dehumidification Rate			l/h	4.0	5.0	5.0
Dimensions	Body	WxHxD	mm	1,230 x 380 x 590	1,230 x 380 x 590	1,230 x 380 x 590
Net Weight	Body			kg	53.0	53.0
External Static Pressure	Min~Max		mmAq(Pa)	4~12(39~118)	5~12(49~118)	5~12(49~118)
Outdoor				UU37WH U31	UU43WH U31	UU49WH U31
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary
Airflow Rate	Nom		m³/min	110	110	110
	Cooling	Nom	dBA	51	51	51
Sound Pressure	Heating		Nom	dBA	53	53
	Cooling	Max	dBA	65	66	66
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	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)
	Gas			mm(inch)	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

# Standard Inverter

## High Static Duct

### CB18 / CB24 / UB30



\* CB18 / CB24 are compatible with SCAC and MULTI.

Indoor				CB18 NH2	CB24 NH2	UB30 NG2
Capacity	Cooling	Min/Nom/Max	kW	2.0 / 5.0 / 5.4	2.8 / 7.1 / 7.8	3.2 / 8.0 / 8.8
	Heating	Min/Nom/Max	kW	2.4 / 6.0 / 6.6	3.2 / 8.0 / 8.8	3.6 / 9.0 / 9.9
Low Temperature Capacity	Heating -7°C		Max	kW	5.4	7.2
	Cooling		Nom	kW	1.54	2.36
Power Input (Set)	Heating		Nom	kW	1.66	2.49
	Min/Nom/Max (ESP 2.5mmAq)		W	50 / 70 / 70	50 / 80 / 80	70 / 110 / 110
Power Input (Indoor)		Min/Max (ESP 8.0mmAq)	W	90 / 120	100 / 140	110 / 160
Running Current	Cooling/Heating	Nom	A	6.7 / 7.2	10.3 / 10.8	9.9 / 10.8
Power Supply				øV/Hz	1 / 220-240 / 50	1 / 220-240 / 50
EER				3.21	3.01	3.51
COP				3.61	3.21	3.61
SEER				4.61	5.11	5.61
SCOP				3.81	3.81	3.81
Pdesign (@-10°C)			kW	3.8	6.0	7.0
Seasonal Energy Label	Cooling/Heating			B / A	A / A	A+ / A
Annual Energy Consumption	Cooling/Heating		kWh	377 / 1,400	487 / 2,211	500 / 2,579
	Liquid		mm(inch)	ø 6.35 (1/4)	ø 9.52 (3/8)	ø 9.52 (3/8)
Piping Connection	Gas		mm(inch)	ø 12.7 (1/2)	ø 15.88 (5/8)	ø 15.88 (5/8)
	Drain	O.D./I.D.	mm	32 / 25	32 / 25	32 / 25
	High/Medium/Low		m³/min	16.5 / 14.5 / 13.0	18.0 / 16.5 / 14.0	26.5 / 23.0 / 20.0
Air Flow Rate	Cooling	High/Medium/Low	dBA	36 / 34 / 32	36 / 35 / 33	36 / 35 / 33
Sound Pressure	Cooling	Max	dBA	60	61	61
Sound Power	Cooling	Max	dBA	60	61	61
Dehumidification Rate			l/h	2.0	2.5	3.3
Dimensions	Body	WxHxD	mm	882 x 260 x 450	882 x 260 x 450	1,182 x 298 x 450
Net Weight	Body		kg	26.0	26.0	33.0
External Static Pressure		Min-Max	mmAq(Pa)	2.5-8(25-78)	2.5-8(25-78)	2.5-10(25-98)
Outdoor				UU18W UE2	UU24W U42	UU30W U42
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary
Airflow Rate	Nom		m³/min	50	58	58
	Cooling	Nom	dBA	48	48	48
Sound Pressure	Heating		Nom	dBA	51	52
	Cooling	Max	dBA	60	62	65
Sound Power	Cooling	Max	dBA	60	62	65
Dimensions	WxHxD			mm	870 x 655 x 320	950 x 834 x 330
Net Weight				kg	46.0	60.0
Refrigerant	Type			R410A	R410A	R410A
	Charge			g	1,400	2,000
	Additional Charge (after 7.5m)			g/m	20	40
Operation Range (Outdoor)	Cooling	Min-Max	°C DB	-15 ~ 48	-15 ~ 48	-15 ~ 48
	Heating	Min-Max	°C WB	-18 ~ 18	-18 ~ 18	-18 ~ 18
Power Supply				øV/Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable				No. x mm²	3C x 2.5	3C x 2.5
Transmission Cable				No. x mm²	4C x 0.75	4C x 0.75
Circuit Breaker				A	20	30
Piping Length Total		Min-Max	m	5-40	5-50	5-50
Piping Elevation Difference		IDU-ODU	Max	m	30	30
Piping Connection	Liquid		mm(inch)	ø 6.35 (1/4)	ø 9.52 (3/8)	ø 9.52 (3/8)
	Gas		mm(inch)	ø 12.7 (1/2)	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