

# INVERTER CEILING/UNIVERSAL TYPE



- Moisture
- Double
- Auto flaps
- Auto Shut flaps
- Adjust
- Restart
- Auto Changeover
- Sleep
- Program

**ABY18L**   
 C 5.20kW / 17,800BTU/h  
 H 6.20kW / 21,200BTU/h

**ABY24L**   
 C 6.50kW / 22,200BTU/h  
 H 6.80kW / 23,200BTU/h

**ABY30L**   
 C 8.50kW / 29,000BTU/h  
 H 10.0kW / 34,100BTU/h

**ABY36L**   
 C 10.0kW / 34,100BTU/h  
 H 10.8kW / 36,900BTU/h

**ABY45L**   
 C 12.5kW / 42,700BTU/h  
 H 14.0kW / 47,800BTU/h

- Moisture
- Double
- Auto flaps
- Auto Shut flaps
- Adjust
- Restart
- Auto Changeover
- Sleep
- Program
- Fresh

## Ultra thin and wide air flow design for elegance and comfort (ABY30/36/45L)



Thin and slender form

## Features of new outdoor unit (ABY30/36/45L)

- **Low noise realized**  
 Low noise realized by reducing the air flow resistance by fan shape (large metal plate integrated bell mouth) and system (external fan guard). Consideration is given to quieting of the living space of neighbors.
- **Improved installation and maintenance**
  - **Check joint standard equipment**  
 Service port is provided at the high pressure side of the refrigerant circuit. The state of the product can be checked by connecting a pressure gauge, etc. and work efficiency at installation and maintenance is improved.
  - **Improvement of handling performance during installation**  
 The new outdoor unit is equipped with handles at the front and back at about the same height at the left and right so that the unit can be easily carried in during installation, etc.



ABY45L outdoor unit

## Specifications

Model No.		INVERTER CEILING/UNIVERSAL TYPE					CEILING/UNIVERSAL TYPE				
		ABY18L	ABY24L	ABY30L	ABY36L	ABY45L	ABY14F	ABY14U	ABY18F	ABY18U	
Item	Indoor Unit	AOY18L	AOY24L	AOY30L	AOY36L	AOY45L	AOY14F	AOY14U	AOY18F	AOY18U	
Rank	Outdoor Unit	B / C	B / B	C / B	E / C	C / C	B	C / B	C	C / C	
Capacity	Cooling	kW	5.20	6.50	8.50	10.00	12.50	4.20	4.00	5.40	5.40
		BTU/h	17,800	22,200	29,000	34,100	42,700	14,300	13,700	18,400	18,400
	Heating	kW	6.20	6.80	10.00	10.80	14.00	-	4.70	-	6.00
		BTU/h	21,200	23,200	34,100	36,900	47,800	-	16,000	-	20,500
Moisture Removal	l/h	1.7	2.5	2.5	3.0	4.0	1.5	1.5	2.0	2.0	
Room Air Circulation (High)	Inner	780	880	1,660	1,850	2,000	640	640	780	780	
	Outer	2,800	3,320	3,600	3,800	6,600	1,600	1,600	3,400	3,200	
Input Power	W/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	
Running Current	A	Cooling	7.40	9.40	13.10	18.00	19.50	6.30	6.30	8.50	8.60
		Heating	8.30	8.70	12.70	14.20	18.50	-	6.00	-	8.30
Power Consumption	kW	Cooling	1.70	2.15	3.00	4.12	4.45	1.39	1.42	1.92	1.90
		Heating	1.90	1.99	2.90	3.26	4.25	-	1.35	-	1.85
EER	Cooling	3.06	3.02	2.83	2.43	2.81	3.02	2.82	2.81	2.84	
COP	Heating	3.26	3.42	3.45	3.31	3.29	-	3.48	-	3.24	
Dimensions H x W x D	mm	Inner	199x990x655	199x990x655	240x1,660x700	240x1,660x700	240x1,660x700	199x990x655	199x990x655	199x990x655	199x990x655
		Outer	28(62)	28(62)	48(106)	48(106)	48(106)	28(62)	28(62)	28(62)	28(62)
Net Weight	kg(lbs)	Inner	650x830x320	900x900x350	830x900x330	830x900x330	1,290x900x330	530x750x250	530x750x250	650x830x320	650x830x320
		Outer	54(119)	70(154)	64(141)	64(141)	105(231)	35(77)	35(77)	47(103)	52(114)
Connection Method		Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare	
Connection Pipe Size (Small/Large)	mm	6.35/12.70	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	6.35/12.70	6.35/12.70	6.35/15.88	6.35/15.88	
Max Pipe Length /Height Difference	m	25(10)	25(10)	50(15)	50(15)	70(20)	15	15	20	20	
		15	15	30	30	30	8	8	8	8	
Permissible Range of Outdoor Temp.	°C	Cooling	0~43	0~43	-10~43	-10 ~ 43	-15~43	21~43	0~43	21~43	0~43
		Heating	-10~24	-10~24	-10~24	-10~24	-15~24	-6~24	-6~24	-	-6~24
Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	

# CEILING/UNIVERSAL TYPE



For ABY14F/14U



For ABY18F/18U/24F/24U

## ABY14F

Ⓢ 4.20kW / 14,300BTU/h

## ABY18F

Ⓢ 5.40kW / 18,400BTU/h

## ABY24F

Ⓢ 6.50kW / 22,200BTU/h

## ABY14U

Ⓢ 4.00kW / 13,700BTU/h  
Ⓜ 4.70kW / 16,000BTU/h

## ABY18U

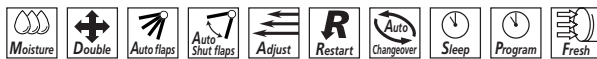
Ⓢ 5.40kW / 18,400BTU/h  
Ⓜ 6.00kW / 20,500BTU/h

## ABY24U

Ⓢ 6.50kW / 22,200BTU/h  
Ⓜ 7.40kW / 25,300BTU/h



(ABY14/18/24F: Except "Auto Changeover")



(ABY30/36/45/54F: Except "Auto Changeover")



For ABY30F/30U



For ABY36F/36U/45F/45U



For ABY54F/54U

## ABY30F

Ⓢ 8.40kW / 28,700BTU/h

## ABY36F

Ⓢ 10.50kW / 35,800BTU/h

## ABY45F

Ⓢ 12.70kW / 43,400BTU/h

## ABY54F

Ⓢ 14.50kW / 49,500BTU/h

## ABY30U

Ⓢ 8.40kW / 28,700BTU/h  
Ⓜ 9.50kW / 32,400BTU/h

## ABY36U

Ⓢ 10.50kW / 35,800BTU/h  
Ⓜ 11.80kW / 40,300BTU/h

## ABY45U

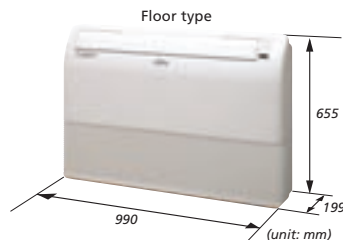
Ⓢ 12.70kW / 43,400BTU/h  
Ⓜ 14.30kW / 48,800BTU/h

## ABY54U

Ⓢ 14.50kW / 49,500BTU/h  
Ⓜ 16.50kW / 56,300BTU/h

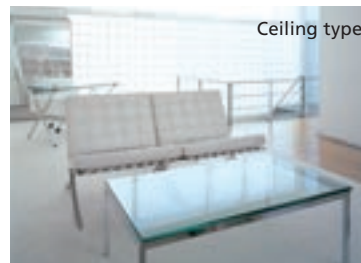
## Slim & Compact design

(ABY14F/14U/18F/18U/24F/24U)



Symmetrical, slim and compact design

## Flexible installation (ABY14F/14U/18F/18U/24F/24U)



## CEILING/UNIVERSAL TYPE

ABY24F	ABY24U	ABY30F	ABY30U	ABY36F	ABY36U	ABY45F	ABY45U	ABY54F	ABY54U
AOY24F	AOY24U	AOY30F	AOY30U	AOY36F	AOY36U	AOY45F	AOY45U	AOY54F	AOY54U
D	D / C	C	C / B	C	B / B	-	C / C	C	C / D
6.50	6.50	8.40	8.40	10.50	10.50	12.70	12.70	14.50	14.50
-	7.40	-	9.50	-	11.80	-	14.30	-	16.50
22,200	22,200	28,700	28,700	35,800	35,800	43,400	43,400	49,500	49,500
-	25,300	-	32,400	-	40,300	-	48,800	-	56,300
2.5	2.5	3.0	3.0	4.0	4.0	5.0	5.0	6.0	6.0
880	880	1,450	1,450	1,660	1,660	1,850	1,850	2,200	2,200
3,200	3,200	3,300	3,300	7,000	6,100	6,100	6,100	6,300	6,300
230/150	230/150	230/150	230/150	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
11.00	10.80	13.60	13.60	6.20	5.90	7.70	7.70	9.50	9.50
-	10.30	-	13.10	-	6.20	-	7.70	-	9.50
2.45	2.42	2.95	2.95	3.74	3.48	4.38	4.38	5.16	5.16
-	2.30	-	2.78	-	3.45	-	4.39	-	5.30
2.65	2.69	2.85	2.85	2.81	3.02	2.90	2.90	2.81	2.81
-	3.22	-	3.42	-	3.42	-	3.26	-	3.11
199x990x655	199x990x655	240x1,660x700	240x1,660x700	240x1,660x700	240x1,660x700	240x1,660x700	240x1,660x700	240x1,660x700	240x1,660x700
28(62)	28(62)	48(106)	48(106)	48(106)	48(106)	48(106)	48(106)	48(106)	48(106)
650x830x320	650x830x320	830x900x330	830x900x330	1,165x900x330	1,165x900x330	1,165x900x330	1,165x900x330	1,290x900x330	1,290x900x330
58(128)	59(130)	68(150)	69(152)	80(176)	94(207)	109(240)	113(249)	114(251)	118(260)
Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare
9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/15.88	9.52/19.05	9.52/19.05	9.52/19.06	9.52/19.06
20	20	30	30	50	50	50	50	50	50
8	8	15	15	30	30	30	30	30	30
21~43	0~43	0~43	0~43	0~43	0~43	0~43	0~43	0~43	0~43
-	-6~24	-	-7~24	-	-10~24	-	-10~24	-	-10~24
R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A