

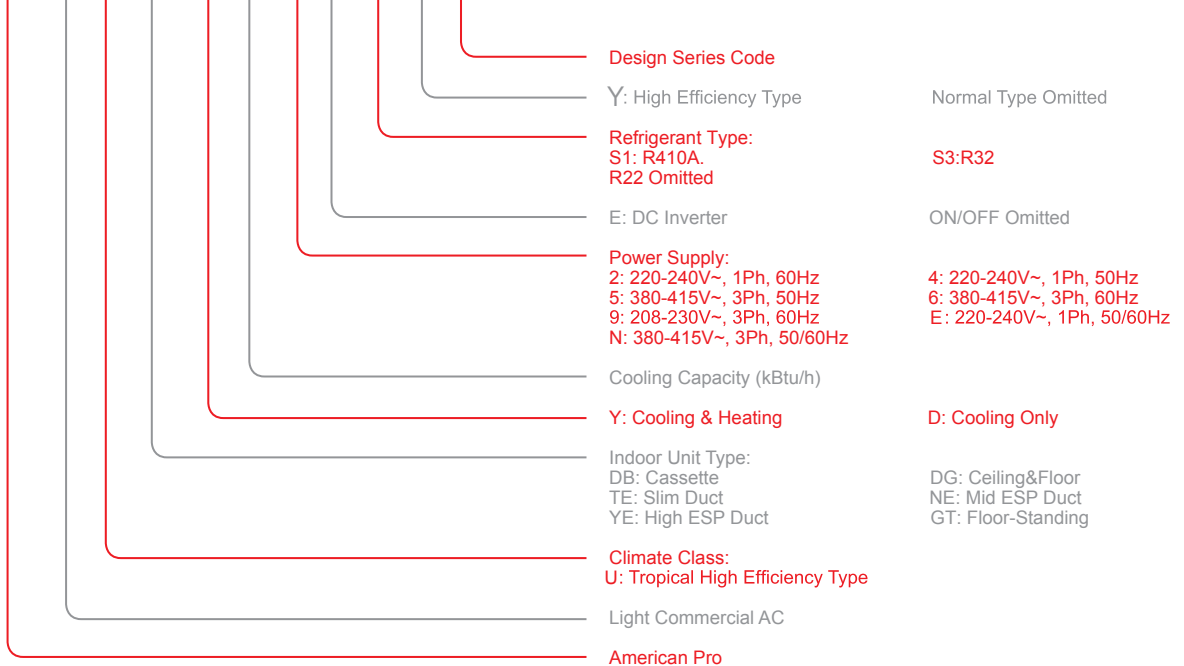


Your Comfort Is Our Duty

# Nomenclature

## Indoor Unit

**AP.B M U DB-Y 24/4 E S1 Y B**



# Tropical Series Cassette

# Tropical Series

## Cassette



Standard      Optional



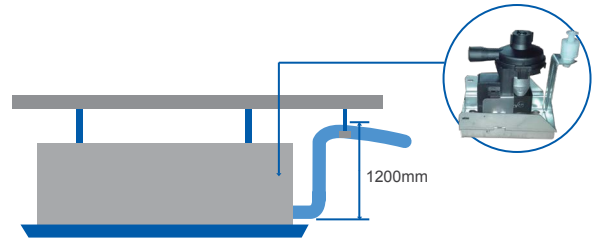
### Wifi Control

The optional WiFi modular makes it possible to monitor and control your AC while on the road through APP on your mobile phone or pad.



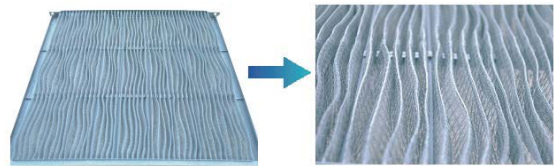
### Built-in Water Drainage Pump

The built-in pump can lift condensing water up to 1200mm high from the drainage pan.



### Long Term Filter

The long-term air filter ensures better air quality and decreases the cleaning frequency.



### Fresh Air Intake

Fresh air makes indoor air healthy and comfortable.



### Optional Panels



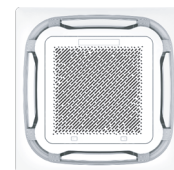
Type B



Type C



Type D



Type E

# Tropical Series

## Cassette



### Specification-R410A 50Hz On-Off High Efficiency



Model	Indoor		AP.BMUDB-D18/4S1BB	AP.BMUDB-D24/4S1BB	AP.BMUDB-D30/4S1BB	AP.BMUDB-D36/4S1BB	AP.BMUDB-D48/4S1BB
	Outdoor		AP.BMU-D18/4S1B(V)	AP.BMU-D24/4S1B(V)	AP.BMU-D30/4S1B(V)	AP.BMU-D36/4S1B(V)	AP.BMU-D48/5S1B(V)
Capacity	Cooling (T1/T3)	Btu/h	17500/15200	23500/20500	28000/24500	32500/29200	44500/38300
		RT	1.46/1.27	1.96/1.71	2.33/2.04	2.71/2.43	3.81/3.19
		kW	5.13/4.45	6.89/6.01	8.21/7.18	9.52/8.56	13.04/11.22
Electric Data	Power Supply	V~,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1	380-415,50,3
	Cooling Power Input (T1/T3)	kW	1.48/1.78	1.96/2.35	2.40/2.90	2.78/3.42	3.80/4.58
	Cooling Current (T1/T3)	A	6.55/7.85	8.68/10.33	10.72/12.85	12.30/15.15	6.35/7.65
Performance	EER (T1/T3)	(Btu/h)/W	11.82/8.54	11.99/8.72	11.67/8.45	11.69/8.54	11.71/8.36
		W/W	3.47/2.50	3.51/2.56	3.42/2.48	3.43/2.50	3.43/2.45
	Air Flow Volume(Hi/Mid/Low)	m3/h	1000/800/670	1400/1100/950	1650/1300/1100	1800/1450/1250	2000/1800/1600
		CFM	588/471/394	824/647/559	971/764/647	1059/847/741	1177/1059/941
Dimension (W×D×H)	Net(Body)	mm	835×835×250	835×835×250	835×835×290	835×835×290	835×835×290
	Packing(Body)	mm	910×910×310	910×910×310	910×910×350	910×910×350	910×910×350
	Net(Panel)	mm	950×950×55	950×950×55	950×950×55	950×950×55	950×950×55
	Packing(Panel)	mm	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100
Weight	Net(Body)/Gross(Body)	kg	24/28	25/29	28/32	28/32	31/35
	Net(Panel)/Gross(Panel)	kg	5.3/7.8	5.3/7.8	5.3/7.8	5.3/7.8	5.3/7.8
Piping Size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	set	39/81/95	31/68/76	32/69/76	20/48/54	22/44/54

### Specification-R410A 50Hz On-Off Standard Efficiency

Model	Indoor		AP.BMUDB-Y18/4S1BB-M	AP.BMUDB-Y24/4S1CC-M	AP.BMUDB-Y30/4S1CC-M	AP.BMUDB-Y36/4S1CC-M	AP.BMUDB-Y48/4S1CC-M
	Outdoor		AP.BMU-Y18/4S1B-M(V)	AP.BMU-Y24/4S1B	AP.BMU-Y30/4S1B	AP.BMU-Y36/4S1B	AP.BMU-Y48/5S1B
Capacity	Cooling Capacity(T1/T3)	Btu/h	18000/15200	24000/21200	30000/25500	36000/31000	47000/41000
		RT	1.5/1.27	2/1.7	2.5/2.13	3/2.58	3.9/3.42
		kW	5.28/4.45	7.03/6.21	8.79/7.47	10.55/9.09	13.77/12.02
Capacity	Heating Capacity(T1)	Btu/h	19100	25000	32000	40000	52000
		RT	1.59	2.10	2.70	3.30	4.30
		kW	5.60	7.33	9.38	11.72	15.24
Electric Data	Power Supply	V~,Hz,Ph	220-240V,50Hz,1Ph	220-240V,50Hz,1Ph	220-240V,50Hz,1Ph	220-240V,50Hz,1Ph	380-415V,50Hz,3Ph
	Cooling Power Input(T1/T3)	kW	1.7/1.97	2.26/2.80	2.83/3.50	3.49/4.10	4.43/5.46
	Cooling Current(T1/T3)	A	7.6/8.80	10/12.40	12.5/15.60	16.5/17.70	7.9/9.70
	Heating Power Input(T3)	kW	1.64	2.20	2.75	3.45	4.47
	Heating Current(T1)	A	7.3	10.3	12.2	16.1	7.8
Performance	EER(T1/T3)	(Btu/h)/W	3.10/2.26	3.11/2.22	3.11/2.22	3.02/2.22	3.11/2.20
		W/W	10.59/7.72	10.62/7.57	10.61/7.57	10.32/7.56	10.61/7.51
	COP(T1)	(Btu/h)/W	3.41	3.33	3.41	3.40	3.41
		W/W	11.65	11.36	11.63	11.59	11.63
Dimension (W×D×H)	Air Flow Volume(Hi/Mid/Low)	m3/h	800/730/660	1400/1200/1000	1400/1200/1000	1800/1600/1400	1900/1650/1450
	Noise Level(Hi/Mid/Low)	dB(A)	45/40/32	45/42/38	47/44/40	51/48/45	51/48/45
	Net(Body)	mm	570×570×260	840×840×246	840×840×246	840×840×246	840×840×288
	Packing(Body)	mm	655×655×295	910×910×310	910×910×310	910×910×310	910×910×350
Weight	Net(Panel)	mm	650×650×55	950×950×55	950×950×55	950×950×55	950×950×55
	Packing(Panel)	mm	710×710×80	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100
Weight	Net(Body)/Gross(Body)	kg	19/21	28/32	28/32	28/32	30/35
	Net(Panel)/Gross(Panel)	kg	2.2/3.7	5.7/8.3	5.7/8.3	5.7/8.3	5.7/8.3
Piping Size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	set	54/120/144	39/84/96	36/84/95	32/68/81	26/55/55

★ Remark:

1.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

2.Cooling Capacity and Cooling Input Power (T1):Indoor Temperature 26.7°C DB/19.4°C WB;Ambient Temperature 35°C DB/24°C WB.

3.Heating Capacity and Heating Input Power :Indoor Temperature 20°C DB;Ambient Temperature 7°C DB/6°C WB.

4.The Max.Ambient temperature for units running is 55 °C.

5. T: Tropical High Efficiency, N: Normal

# Tropical Series

## Cassette



### Specification-R410A Full DC Inverter



Model	Indoor		AP.BMUDB-Y18/ZES10C		AP.BMUDB-Y24/ZES10C		AP.BMUDB-Y36/ZES10C	
	Outdoor		AP.BMU-Y18/ZES1C(V)		AP.BMU-Y24/ZES1C(V)		AP.BMU-Y36/ZES1C(V)	
Capacity	Cooling (T1/T3)	Btu/h	17100/15400		23000/20200		32000/28000	
		RT	1.42/1.28		1.92/1.68		2.67/2.33	
		kW	5.01/4.50		6.75/5.91		9.4/8.2	
	Heating(T1)	Btu/h	19400		27600		35800	
		RT	1.62		2.30		2.99	
		kW	5.70		8.10		10.50	
Electric Data	Power Supply	V-, Hz, Ph	220-240, 50/60, 1		220-240, 50/60, 1		220-240, 50/60, 1	
	Cooling Power Input(T1/T3)	kW	1402/1791		1885/2376		2634/3256	
	Cooling Current(T1/T3)	A	6.62/8.46		8.91/11.23		12.45/15.39	
	Heating Power Input(T1)	kW	1541		2250		2838	
	Heating Current(T1)	A	7.28		10.63		13.41	
	Performance	EER(T1/T3)	(Btu/h)/W	12.20/8.60		12.20/8.50		12.15/8.60
W/W			3.58/2.52		3.58/2.49		3.56/2.52	
COP(T1)		(Btu/h)/W	12.62		13.28		12.62	
		W/W	3.70		3.60		3.70	
Air Flow Volume(Hi/Mid/Low)		m <sup>3</sup> /h	1100/1000/850		1500/1350/1200		2000/1700/1600	
		CFM	647/588/500		882/794/706		1176/1000/941	
Noise Level(Hi/Mid/Low)	dB(A)	42/39/37		49/47/44		53/50/48		
Dimension (W×D×H)	Net(Body)	mm	840×840×246		840×840×246		840×840×288	
	Packing(Body)	mm	910×910×310		910×910×310		910×910×350	
	Net(Panel)	mm	950×950×55		950×950×55		950×950×55	
	Packing(Panel)	mm	1000×1000×100		1000×1000×100		1000×1000×100	
Weight	Net(Body)/Gross(Body)	kg	25/29		25/29		30/35	
	Net(Panel)/Gross(Panel)	kg	5.7/8.3		5.7/8.3		5.7/8.3	
Piping Size	Drainage	mm(inch)	DN20(R3/4)		DN20(R3/4)		DN20(R3/4)	
Stuffing Quantity	20/40/40H	set	84/182/208		84/182/208		72/156/182	

### Specification-R410A Full DC Inverter



Model	Indoor		AP.BMUDB-Y42/ZES10C		AP.BMUDB-Y42/TES1BC	
	Outdoor		AP.BMU-Y42/ZES1C(V)		AP.BMU-Y42/TES1B(V)	
Capacity	Cooling (T1/T3)	Btu/h	37000/28600		39000/35000	
		RT	3.09/2.39		3.26/2.91	
		kW	10.85/8.40		11.45/10.25	
	Heating(T1)	Btu/h	45400		46000	
		RT	3.78		3.84	
		kW	13.30		13.50	
Electric Data	Power Supply	V-, Hz, Ph	220-240, 50/60, 1		380-415, 50/60, 3	
	Cooling Power Input(T1/T3)	kW	3045/3326		3210/4023	
	Cooling Current(T1/T3)	A	14.39/15.72		6.20/7.70	
	Heating Power Input(T1)	kW	3800		3699	
	Heating Current(T1)	A	17.96		6.80	
	Performance	EER(T1/T3)	(Btu/h)/W	12.15/8.60		12.15/8.70
W/W			3.56/2.52		3.56/2.55	
COP(T1)		(Btu/h)/W	11.94		12.45	
		W/W	3.50		3.65	
Air Flow Volume(Hi/Mid/Low)		m <sup>3</sup> /h	2000/1700/1600		2000/1700/1600	
		CFM	1176/1000/941		1176/1000/941	
Noise Level(Hi/Mid/Low)	dB(A)	54/52/48		54/52/48		
Dimension (W×D×H)	Net(Body)	mm	840×840×288		840×840×288	
	Packing(Body)	mm	910×910×350		910×910×350	
	Net(Panel)	mm	950×950×55		1000×1000×100	
	Packing(Panel)	mm	1000×1000×100		950×950×55	
Weight	Net(Body)/Gross(Body)	kg	30/35		31/36	
	Net(Panel)/Gross(Panel)	kg	5.7/8.3		5.7/8.3	
Piping Size	Drainage	mm(inch)	DN20(R3/4)		DN20(R3/4)	
Stuffing Quantity	20/40/40H	set	72/156/182		72/156/182	

★ Remark:

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- Cooling Capacity and Cooling Input Power (T1): Indoor Temperature 26.7°C DB/19.4°C WB; Ambient Temperature 35°C DB/24°C WB.
- Heating Capacity and Heating Input Power :Indoor Temperature 20°C DB; Ambient Temperature 7°C DB/6°C WB.
- The Max.Ambient temperature for units running is 55 °C.
- T: Tropical High Efficiency, N: Normal