

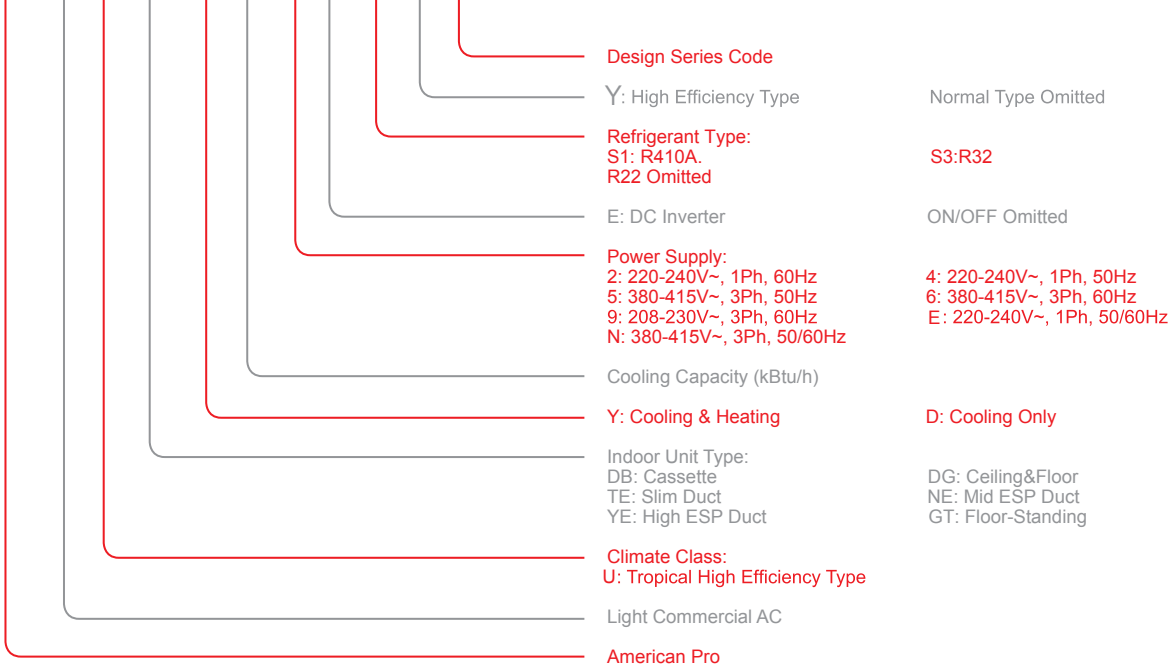


Your Comfort Is Our Duty

Nomenclature-Light Commercial

Indoor Unit

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

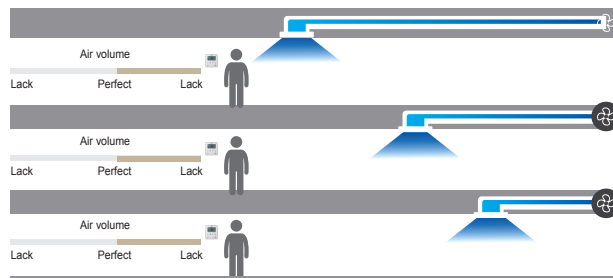


Mid ESP Duct



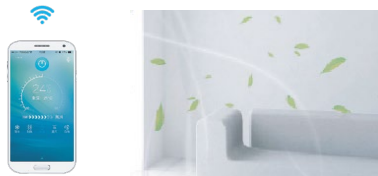
Self-adaption technology

Automatic ESP Adjustment function will adapt the unit to any ducting with optimized air volume and minimized noise level automatically, making more comfortable in any situation.



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.



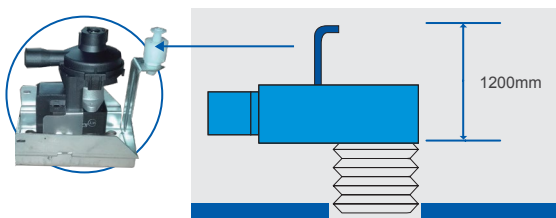
Fresh Air Intake

Fresh air makes a healthy, comfortable life.



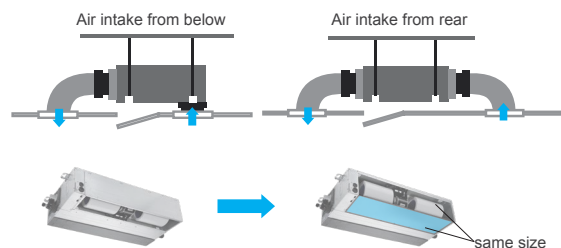
Built-in Water Pump (Optional)

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



Flexible Air Intake Options

Air intake from rear as standard, from bottom is optional. The size of the plate from bottom is the same as the flange from back, which makes it convenient to change installation style due to different decoration requirements.



Tropical Series

Mid ESP Duct



Specification R410A 60Hz On-Off (cooling only)



Model	Indoor		AP.BMUN-D18/2S1E	AP.BMUN-D24/2S1E	AP.BMUN-D36/2S1E	AP.BMUN-D48/2S1E	AP.BMUN-D60/2S1E
	Outdoor		AP.BMU-D18/2S1E(V)	AP.BMU-D24/2S1E(V)	AP.BMU-D36/2S1E(V)	AP.BMU-D48/2S1E(V)	AP.BMU-D60/2S1E(V)
Capacity	Cooling (T1/T3)	Btu/h	18400/16800	22000/20000	33000/28200	47000/41000	53000/46200
		RT	1.54/1.41	1.84/1.67	2.76/2.36	3.94/3.43	4.43/3.86
		kW	5.40/4.92	6.45/5.85	9.65/8.25	13.80/12.00	15.50/13.50
Electric Data	Power Supply	V~,Hz,Ph	220-240,60,1	220-240,60,1	220-240,60,1	220-240,60,1	220-240,60,1
	Cooling Power Input(T1/T3)	kW	1.50/1.88	1.78/2.24	2.68/3.13	3.85/4.68	4.34/5.28
	Cooling Current(T1/T3)	A	6.75/8.40	8.00/10.00	11.90/13.90	17.20/20.80	19.20/23.30
Performance	EER(T1/T3)	(Btu/h)/W	12.30/8.95	12.35/8.95	12.30/9.00	12.20/8.75	12.20/8.75
	Air Flow Volume(Hi/Mid/Low)	m3/h	1100/1000/900	1500/1350/1200	2050/1850/1450	2800/2500/2100	3100/2800/2500
		CFM	647/588/529	882/794/706	1240/1120/1000	1588/1412/1240	1764/1588/1353
	Noise Level(Hi/Mid/Low)	dB(A)	43/41/39	47/45/44	47/45/42	49/48/46	52/50/48
	External Static Pressure(ESP) Pa		0-60	0-60	0-100	0-150	0-150
Dimension (W×D×H)	Net	mm	890×735×290	890×735×290	1250×735×290	1400×820×380	1400×820×380
	Packing	mm	1070×800×360	1070×800×360	1430×800×360	1580×880×450	1580×880×450
Dimension	Air Outlet	mm	652×202	652×202	967×183	1117×273	1117×273
	Air Return	mm	810×250	810×250	1175×250	1320×340	1320×340
Weight	Net/Gross	kg	32/36	33/37	44/50	56/63	56/63
Piping Size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)

Specification R410A 60Hz On-Off Heat Pump



Model	Indoor		AP.BMUNE-Y18/2S1E	AP.BMUNE-Y24/2S1E	AP.BMUNE-Y36/2S1E	AP.BMUNE-Y48/2S1E	AP.BMUNE-Y60/2S1E
	Outdoor		AP.BMU-Y18/2S1E	AP.BMU-Y24/2S1E	AP.BMU-Y36/2S1E	AP.BMU-Y48/2S1E	AP.BMU-Y60/2S1E
Capacity	Cooling (T1/T3)	Btu/h	18400/16800	22000/20000	33000/28200	47000/41000	53000/46200
		RT	1.54/1.40	1.83/1.66	2.74/2.35	3.92/3.41	4.41/3.84
		kW	5.40/4.92	6.45/5.85	9.65/8.25	13.80/12.00	15.50/13.50
	Heating(T1)	Btu/h	18800	22000	33800	50000	57200
RT		1.57	1.84	2.83	4.19	4.79	
	kW	5.50	6.45	9.90	14.65	16.75	
Electric Data	Power Supply	V~,Hz,Ph	220-240,60,1	220-240,60,1	220-240,60,1	220-240,60,1	220-240,60,1
	Cooling Power Input(T1/T3)	kW	1.50/1.88	1.78/2.24	2.68/3.13	3.85/4.68	4.34/5.28
	Cooling Current(T1/T3)	A	6.75/8.40	8.00/10.00	11.90/13.90	17.20/20.80	19.20/23.30
	Heating Power Input(T1)	kW	1.38	1.72	2.42	3.66	4.24
	Heating Current(T1)	A	6.15	7.63	10.80	16.30	18.80
	EER(T1/T3)	(Btu/h)/W	12.30/8.95	12.35/8.95	12.30/9.00	12.20/8.75	12.20/8.75
Performance	COP(T1)	W/W	4.00	3.75	4.1	4.00	3.95
	Air Flow Volume(Hi/Mid/Low)	m3/h	1100/1000/900	1500/1350/1200	2050/1850/1450	2800/2500/2100	3100/2800/2500
		CFM	647/588/529	882/794/706	1240/1120/1000	1588/1412/1240	1764/1588/1353
	Noise Level(Hi/Mid/Low)	dB(A)	43/41/39	47/45/44	47/45/42	49/48/46	52/50/48
	External Static Pressure(ESP) Pa		0-60	0-60	0-100	0-150	0-150
Dimension (W×D×H)	Net	mm	890×735×290	890×735×290	1250×735×290	1400×820×380	1400×820×380
	Packing	mm	1070×800×360	1070×800×360	1430×800×360	1580×880×450	1580×880×450
Dimension	Air Outlet	mm	652×202	652×202	967×183	1117×273	1117×273
	Air Return	mm	810×250	810×250	1175×250	1320×340	1320×340
Weight	Net/Gross	kg	32/36	33/37	44/50	56/63	56/63
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	40/84/106	40/84/102	27/64/75	17/35/35	17/35/35

★ Remark:

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

Mid ESP Duct



Specification R410A 50Hz On-Off High Efficiency



Model	Indoor		AP.BMUME-D18/4S1C	AP.BMUME-D24/4S1C	AP.BMUME-D30/4S1C
	Outdoor		AP.BMU-D18/4S1C(V)	AP.BMU-D24/4S1C(V)	AP.BMU-D30/4S1C(V)
Capacity	Cooling (T1/T3)	Btu/h	17100/15200	23000/19800	28000/24600
		RT	1.43/1.27	1.92/1.65	2.33/2.05
		kW	5.01/4.45	6.74/5.80	8.21/7.21
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling Power Input (T1/T3)	kW	1.44/1.78	1.92/2.32	2.38/2.88
	Cooling Current (T1/T3)	A	6.40/7.90	8.54/10.30	10.55/12.79
Performance	EER (T1/T3)	(Btu/h)/W	11.84/8.54	11.95/8.53	11.77/8.53
		W/W	3.47/2.50	3.50/2.50	3.45/2.50
	Air Flow Volume(Hi/Mid/Low)	m3/h	1100/1000/800/600	1400/1300/1000/900	2000/1600/1300/1000
		CFM	647/588/471/353	824/765/588/529	1176/941/765/588
	Noise Level(Hi/Mid/Low)	dB(A)	43/40/37/33	42/40/38/36	43/40/38/36
	External Static pressure(ESP)	Pa	0~60	0~60	0~80
Dimension (W×D×H)	Net	mm	1000×450×200	1000×700×245	1400×700×245
	Packing	mm	1300×555×275	1230×830×300	1630×830×300
Dimension	Air Outlet	mm	832×110	811×175	1213×178
	Air Return	mm	977×172	874×204	1275×208
Weight	Net/Gross	kg	25/29	31/36	41/47
Piping Size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	set	136/288/324	77/161/184	49/98/112

Specification R410A 50Hz On-Off High Efficiency



Model	Indoor		AP.BMUME-D36/4S1C	AP.BMUME-D48/5S1C	AP.BMUME-D60/5S1C
	Outdoor		AP.BMU-D36/4S1C(V)	AP.BMU-D48/5S1C(V)	AP.BMU-D60/5S1C(V)
Capacity	Cooling (T1/T3)	Btu/h	32000/28000	48000/42000	52000/45500
		RT	2.67/2.33	4.00/3.5	4.33/3.79
		kW	9.38/8.21	14.07/12.31	15.24/13.34
Electric Data	Power Supply	V~,Hz,Ph	220-240,50,1	380-415V-3N-	380-415V-3N-
	Cooling Power Input (T1/T3)	kW	2.68/3.22	4.0/4.8	4.4/5.23
	Cooling Current (T1/T3)	A	11.88/14.28	6.82/8.18	7.41/8.81
Performance	EER (T1/T3)	(Btu/h)/W	11.95/8.70	12.00/8.75	11.82/8.70
		W/W	3.50/2.55	3.52/2.56	3.46/2.55
	Air Flow Volume(Hi/Mid/Low)	m3/h	2000/1600/1300/1000	2600/2300/1950	3100/2600/2200
		CFM	1176/941/765/588	1529/1353/1147	1824/1529/1294
	Noise Level(Hi/Mid/Low)	dB(A)	45/42/40/38	50/47/44	53/50/47
	External Static pressure(ESP)	Pa	0~100	0~150	0~150
Dimension (W×D×H)	Net	mm	1400×700×245	1250×735×320	1400×820×380
	Packing	mm	1630×830×300	1430×800×390	1580×880×450
Dimension	Air Outlet	mm	1213×178	967×183	1117×273
	Air Return	mm	1275×208	1175×250	1320×340
Weight	Net/Gross	kg	41/47	47/53	57/64
Piping Size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	set	49/98/112	66/138/138	35/75/75

★ 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

Mid ESP Duct



Specification R410A 50Hz On-Off Standard Efficiency

Model	Indoor		AP.BMUNE-Y18/4S1B-M	AP.BMUNE-Y24/4S1B-M	AP.BMUNE-Y30/4S1B-M
	Outdoor		AP.BMU-Y18/4S1B-M(V)	AP.BMU-Y24/4S1B-M(V)	AP.BMU-Y30/4S1B-M(V)
Capacity	Cooling Capacity(T1/T3)	Btu/h	18000/15300	24000/21200	30000/26500
		RT	1.5/1.28	2/1.77	2.5/2.21
		kW	5.28/4.48	7.03/6.21	8.79/7.77
	Heating Capacity(T1)	Btu/h	19100	26900	32000
		RT	1.28	1.77	2.21
		kW	4.48	6.21	7.77
Electric Data	Power Supply	V~,Hz,Ph	220-240V,50Hz,1Ph	220-240V,50Hz,1Ph	220-240V,50Hz,1Ph
	Cooling Power Input(T1/T3)	kW	1.7/1.97	2.26/2.80	2.83/3.50
	Cooling Current(T1/T3)	A	7.6/8.80	10/12.40	12.5/15.60
	Heating Power Input(T1)	kW	1.6	2.3	2.8
	Heating Current(T1)	A	6.7	9.6	10.8
	Performance	EER(T1/T3)	(Btu/h)/W	3.10/2.28	3.11/2.22
W/W			10.59/7.77	10.62/7.57	10.60/7.57
COP(T1)		(Btu/h)/W	3.4	3.4	3.4
		W/W	11.6	11.6	11.6
Air Flow Volume(Hi/Mid/Low)		m3/h	950/760/665	1400/1250/1050	1650/1500/1350
Noise Level(Hi/Mid/Low)		dB(A)	38/35/32	46/44/42	48/46/44
External Static Pressure(ESP)	Pa	0-80	0-80	0-80	
Dimension (W×D×H)	Net	mm	890×735×290	890×735×290	890×735×290
	Packing	mm	1070×800×360	1070×800×360	1070×800×360
Dimension	Air Outlet	mm	652×202	652×202	652×202
	Air Return	mm	810×250	810×250	810×250
Weight	Net/Gross	kg	32/37	33/38	35/40
Piping Size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	set	45/104/122	45/98/108	41/94/112

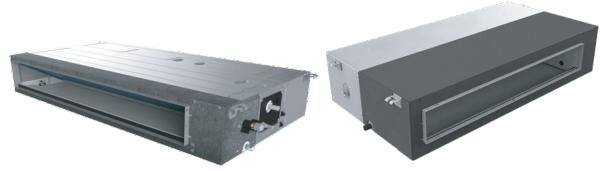
Specification R410A 50Hz On-Off Standard Efficiency

Model	Indoor		AP.BMUNE-Y36/4S1B-M	AP.BMUNE-Y48/5S1B-M	AP.BMUNE-Y60/5S1B-M
	Outdoor		AP.BMU-Y36/4S1B-M(V)	AP.BMU-Y48/5S1B-M(V)	AP.BMU-Y60/5S1B-M(V)
Capacity	Cooling Capacity(T1/T3)	Btu/h	36000/31800	48000/42000	55000/48000
		RT	3/2.65	4/3.5	4.6/4.0
		kW	10.55/9.32	14.07/12.31	16.12/14.07
	Heating Capacity(T1)	Btu/h	40000	52000	60000
		RT	2.65	3.50	4.00
		kW	9.32	12.31	14.07
Electric Data	Power Supply	V~,Hz,Ph	220-240V,50Hz,1Ph	380-415V,50Hz,3Ph	380-415V,50Hz,3Ph
	Cooling Power Input(T1/T3)	kW	3.39/4.20	4.52/5.60	5.18/6.40
	Cooling Current(T1/T3)	A	15/18.70	7.9/9.70	8.9/11.10
	Heating Power Input(T1)	kW	3.4	4.5	5.16
	Heating Current(T1)	A	13.8	7.2	8.2
	Performance	EER(T1/T3)	(Btu/h)/W	3.11/2.22	3.11/2.22
W/W			10.62/7.57	10.62/7.50	10.62/7.50
COP(T1)		(Btu/h)/W	3.4	3.4	3.4
		W/W	11.6	11.6	11.6
Air Flow Volume(Hi/Mid/Low)		m3/h	2100/1850/1600	2400/2100/1700	2600/2300/1950
Noise Level(Hi/Mid/Low)		dB(A)	49/45/43	49/46/44	50/48/46
External Static Pressure(ESP)	Pa	0-100	0-120	0-120	
Dimension (W×D×H)	Net	mm	1250×735×290	1250×735×290	1250×735×320
	Packing	mm	1430×800×360	1430×800×360	1430×800×390
Dimension	Air Outlet	mm	967×183	967×183	967×214
	Air Return	mm	1175×250	1175×250	1175×280
Weight	Net/Gross	kg	43/49	45/51	50/56
Piping Size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	set	40/70/84	27/54/54	27/54/54

★ 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

Mid ESP Duct



Specification R410A Full DC Inverter



Model	Indoor		AP.BMUNE-Y18/ZES1NC	AP.BMUNE-Y24/ZES1NC	AP.BMUNE-Y36/ZES1FC	AP.BMUNE-Y48/ZES1FC
	Outdoor		AP.BMU-Y18/ZES1C(V)	AP.BMU-Y24/ZES1C(V)	AP.BMU-Y36/ZES1C(V)	AP.BMU-Y48/ZES1C(V)
Capacity	Cooling (T1/T3)	Btu/h	17400/16000	23100/21100	32000/30000	45000/42000
		RT	1.45/1.33	1.93/1.76	2.67/2.50	3.75/3.50
		kW	5.10/4.68	6.78/6.18	9.4/8.8	13.2/12.3
Capacity	Heating(T1)	Btu/h	19800	27600	35800	51100
		RT	1.65	2.30	2.99	4.27
		kW	5.80	8.10	10.50	15.00
Electric Data	Power Supply	V~,Hz,Ph	220-240,50/60,1	220-240,50/60,1	220-240,50/60,1	220-240,50/60,1
	Cooling Power Input(T1/T3)	kW	1426/1860	1893/2482	2634/3488	3704/4828
	Cooling Current(T1/T3)	A	6.74/8.79	8.95/11.73	12.45/16.49	17.50/22.81
	Heating Power Input(T1)	kW	1506	2104	2763	3947
	Heating Current(T1)	A	7.12	9.94	13.06	18.65
Performance	EER(T1/T3)	(Btu/h)/W	12.20/8.60	12.20/8/50	12.15/8/60	12.15/8.70
		W/W	3.58/2.52	3.58/2.49	3.56/2.52	3.56/2.55
	COP(T1)	(Btu/h)/W	13.14	13.14	12.96	12.96
		W/W	3.85	3.85	3.80	3.80
	Air Flow Volume(Hi/Mid/Low)	m3/h	1130/910/780	1500/1350/1200	2100/1900/1600	2800/2500/2100
		CFM	665/535/459	882/794/706	1235/1117/1000	1647/1471/1235
Noise Level(Hi/Mid/Low)	dB(A)	42/39/38	45/43/41	45/42/40	52/50/47	
External Static Pressure(ESP)	Pa	0~80	0~80	0~160	0~160	
Dimension (WxDxH)	Net	mm	1000X700X245	1000X700X245	1250X735X320	1400X820X380
	Packing	mm	1230X830X300	1230X830X300	1430X800X390	1580X880X450
Dimension	Air Outlet	mm	811x175	811x175	967x214	1117x273
	Air Return	mm	874x204	874x204	1175x280	1320x340
Weight	Net/Gross	kg	30/36	30/36	48/54	56/63
Piping Size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	set	77/161/184	77/161/184	66/138/138	35/75/75

Specification R410A Full DC Inverter



Model	Indoor		AP.BMUNE-Y55/ZES1FC	AP.BMUNE-Y42/TES1B	AP.BMUNE-Y48/TES1B	AP.BMUNE-Y55/TES1B
	Outdoor		AP.BMU-Y55/ZES1C(V)	AP.BMU-Y42/ZES1B(V)	AP.BMU-Y48/ZES1B(V)	AP.BMU-Y55/ZES1B(V)
Capacity	Cooling (T1/T3)	Btu/h	52000/47000	40000/35000	47000/43000	52000/47000
		RT	4.34/3.91	3.33/2.91	3.91/3.58	4.34/3.92
		kW	15.25/13.75	11.70/10.25	13.75/12.60	15.25/13.80
Capacity	Heating(T1)	Btu/h	60000	46000	52200	61400
		RT	5.00	3.84	4.35	5.12
		kW	17.60	13.50	15.30	18.00
Electric Data	Power Supply	V~,Hz,Ph	220-240,50/60,1	380-415,50/60,3	380-415,50/60,3	380-415,50/60,3
	Cooling Power Input(T1/T3)	kW	4280/5465	3292/4023	3852/4943	4280/5402
	Cooling Current(T1/T3)	A	19.59/25.01	6.3/7.7	6.9/8.8	7.3/9.2
	Heating Power Input(T1)	kW	4632	3553	3923	4737
	Heating Current(T1)	A	21.20	6.80	7.00	8.00
Performance	EER(T1/T3)	(Btu/h)/W	12.15/8.60	12.15/8.70	12.20/8.7	12.15/8.70
		W/W	3.56/2.52	3.56/2.55	3.58/2.55	3.56/2.55
	COP(T1)	(Btu/h)/W	12.96	12.96	13.30	12.96
		W/W	3.80	3.80	3.90	3.80
	Air Flow Volume(Hi/Mid/Low)	m3/h	3100/2800/2500	2300/2100/1700	2800/2500/2100	3100/2800/2500
		CFM	1824/1647/1471	1353/1235/1000	1647/1471/1235	1824/1647/1471
Noise Level(Hi/Mid/Low)	dB(A)	52/50/47	48/45/43	49/47/44	52/50/47	
External Static Pressure(ESP)	Pa	0~160	0~160	0~160	0~160	
Dimension (WxDxH)	Net	mm	1400X820X380	1250X735X320	1400X820X380	1400X820X380
	Packing	mm	1580X880X450	1430X800X390	1580X880X450	1580X880X450
Dimension	Air Outlet	mm	1117x273	967x214	1117x273	1117x273
	Air Return	mm	1320x340	1175x280	1320x340	1320x340
Weight	Net/Gross	kg	56/63	48/54	56/63	56/63
Piping Size	Drainage	mm(inch)	DN20(R3/4in)	DN20(R3/4in)	DN20(R3/4in)	DN20(R3/4in)
Stuffing Quantity	20/40/40H	set	35/75/75	66/138/138	35/75/75	35/75/75

★ 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