AUX

Inverter Ducted System

- R32 Environmental Refrigerant
- Refrigerant Cooling
- Flexible Installation
- Compatible 485&24V
- Fast Cooling / Heating
- Quiet And Comfortable



INVERTER DUCTED SYSTEM FEATURES

High Performance

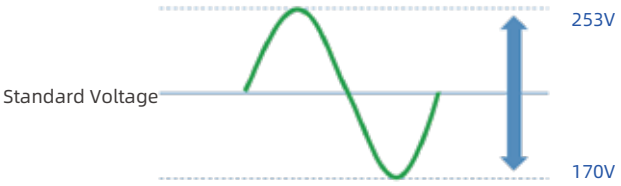
Even in extreme temperatures, the system maintains consistent performance to ensure comfortable indoor conditions year-round



* Data from AUX lab,24/08/24 23/09/24
* PZJTS240921017-01 B7 No. 20 table PZJXS240821002-03 B12 No. 18 table

Wide Voltage Range

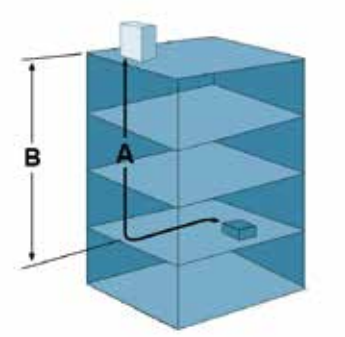
Operates under a voltage between 170V-253V to adapt to any unstable voltage, protecting the PCB against a power surge



* Data from AUX lab,12/10/24
* PZJXS241010005-03 B7 No. 20 table

Long Piping Design

Long piping design up to 164Ft, allows for flexible installations making this the perfect solution for small or large homes

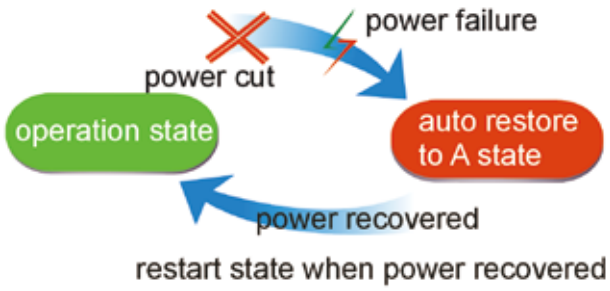


Series	Capacity(Btu/h)	Max.Length(A)	Max.Heigth(B)
Regular Series	18 / 24 / 30K	98	49
	36 / 48 / 60k	164	98
Extreme Heating Series	18k	98	49
	24 / 30 / 36 / 48 / 60k	164	98

* Data from AUX lab,14/07/24
* PZJTS240626099-01 B12 No. 8P table

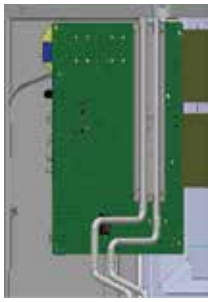
Auto-Restart Function

In the event of a power outage, the system automatically restarts at the same settings when powered back on, no need to restart manually



Refrigerant Cooling Technology

Helps to reduce the operating temperature of the PCB， which prevents the PCB from over-heating to ensure it runs smoothly





*Functionality may vary by model and setup



Easy to Install

Vertical, horizontal or inverted installation to meet most installation requirements



Vertical



Horizontal



Inverted

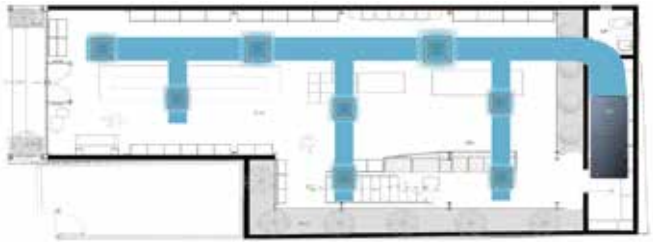
Dual Communication

Compatible with both 24V and 485 communication control for easy operation
Also is interchangeable with other products



ESP Range

Rated ESP up to 0.5 in.W.C
MAX ESP up to 1.0 in.W.C



* Data from AUX lab,25/10/24
* PZJTS241031036-01 B12 No. 18 table

SPECIFICATIONS



Indoor Unit



Outdoor Unit



Wired Controller

Regular

Model	IDU		AHU18HPV1AI	AHU24HPV1AI	AHU30HPV1AI	AHU36HPV1AI	AHU48HPV1AI	AHU60HPV1AI
	ODU		AHU18HPV1AO	AHU24HPV1AO	AHU30HPV1AO	AHU36HPV1AO	AHU48HPV1AO	AHU60HPV1AO
Capacity								
Cooling	Capacity Rated	Btu/h	18000	23000	30000	35000	48000	55000
	Capacity Range	Btu/h	4000-20000	6000-26000	8000-30000	8500-37000	10000-50000	11000-57000
	Power Input	W	1600	2190	3000	3684	5053	5789
Heating	Capacity(47℉/8.3℃)	Btu/h	18000	24000	32000	38000	48000	55000
	Capacity Range	Btu/h	3500-21000	4000-26000	4500-33000	5000-38000	10000-53000	11000-57000
	Power Input(47℉/8.3℃)	W	1507	2069	2605	3375	4138	4741
	Capacity(17℉/-8.3℃)	Btu/h	14000	19000	22000	27000	45000	46000
	Capacity(5℉/-15℃)	Btu/h	14000	18600	22000	25000	40500	41500
Efficiency								
SEER2		(Btu/h)/W	17	17	18	17	16	16
HSPF2(IV)		(Btu/h)/W	8.6	8.5	8.5	8.6	9	9
EER2		(Btu/h)/W	11.25	10.5	10	9.5	9.5	9.5
COP 5℉		W/W	2.00	1.90	1.90	2.00	2.10	2.00
IDU								
Electrical	Power Supply	V~,Hz,Ph	208-230,60,1	208-230,60,1	208-230,60,1	208-230,60,1	208-230,60,1	208-230,60,1
	MCA	A	3.7	3.7	5.7	5.7	8.5	8.5
Air Flow	H/M/L	m3/h	1020/900/750	1360/1150/950	1700/1400/1100	2040/1610/1350	2630/2215/1800	3060/2530/2000
		CFM	600/530/440	800/680/560	1000/820/650	1200/950/790	1550/1300/1050	1800/1490/1180
Noise Level		dB(A)	47/45/43	49/47/45	50/48/46	53/51/49	53/51/49	54/52/50
Extemal Static Pressure	Standard	in.w.g[pa]	0.5[125]	0.5[125]	0.5[125]	0.5[125]	0.5[125]	0.5[125]
	Range	in.w.g[pa]	0~1[0-250]	0~1[0-250]	0~1[0-250]	0~1[0-250]	0~1[0-250]	0~1[0-250]
Dimension (HWD)	Net	In.[mm]	45[1143]	45[1143]	49[1245]	49[1245]	53[1346]	53[1346]
		In.[mm]	17-1/2[445]	17-1/2[445]	21[534]	21[534]	24-1/2[622]	24-1/2[622]
		In.[mm]	21[534]	21[534]	21[534]	21[534]	21[534]	21[534]
Weight	Net	lbs	112.4	112.4	132.9	132.9	154.3	154.3
		kg	51	51	60.3	60.3	70	70
ODU								
Electrical	Power Supply	V~,Hz,Ph	208-230,60,1	208-230,60,1	208-230,60,1	208-230,60,1	208-230,60,1	208-230,60,1
	MCA	A	17	20	21	24	31	34
Air Flow		m3/h	3500	3500	4200	4200	6800	6800
		CFM	2059	2059	2471	2471	4000	4000
Noise Level		dB(A)	56	57	59	59	60	60
Dimension (HWD)	Net	In.[mm]	27-9/16[700]	27-9/16[700]	31-13/16 [808]	31-13/16 [808]	51-15/16[1320]	51-15/16[1320]
		In.[mm]	38-9/16[980]	38-9/16[980]	41-3/16[1046]	41-3/16[1046]	39-13/16[1011]	39-13/16[1011]
		In.[mm]	15-1/4[388]	15-1/4[388]	17-15/16[455]	17-15/16[455]	15-3/4[400]	15-3/4[400]
Weight	Net	lbs	95.9	101.4	147.3	147.3	196.9	205
		kg	43.5	46	66.8	66.8	89.3	93
Refrigerant								
Type			R32	R32	R32	R32	R32	R32
Charge		oz	42.3	49.4	81.1	81.1	123.5	130.5
		g	1200	1400	2300	2300	3500	3700
Pipe								
Liquid(O.D.)		In.[mm]	3/8[Φ9.52]	3/8[Φ9.52]	3/8[Φ9.52]	3/8[Φ9.52]	3/8[Φ9.52]	3/8[Φ9.52]
Gas(O.D.)		In.[mm]	5/8[Φ15.88]	5/8[Φ15.88]	5/8[Φ15.88]	5/8[Φ15.88]	3/4[Φ19.05]	3/4[Φ19.05]
Max. Length		ft[m]	98[30]	98[30]	98[30]	164[50]	164[50]	164[50]
Max. Height		ft[m]	49[15]	49[15]	49[15]	98[30]	98[30]	98[30]
Guaranteed Temperature Operation Range								
Cooling		℉[℃]	5~125 [-15~52]	5~125 [-15~52]	5~125 [-15~52]	5~125 [-15~52]	5~125 [-15~52]	5~125 [-15~52]
Heating		℉[℃]	5~75 [-15~24]	5~75 [-15~24]	5~75 [-15~24]	5~75 [-15~24]	5~75 [-15~24]	5~75 [-15~24]

400 Corporate Court, South Plainfield, NJ 07080

Remarks:
1.All specifications are subject to change by the manufacturer without prior notice
2.All units are being tested and comply to AHRI210/240
3.Data from AUX lab, 30/9/24, Data may change according to test surroundings, AUX reserves right of explanation on data

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SPECIFICATIONS



Indoor Unit



Outdoor Unit



Wired Controller

Extreme

Model	IDU		AHU18HPV1BI	AHU24HPV1BI	AHU30HPV1BI	AHU36HPV1BI	AHU48HPV1BI	AHU60HPV1BI
	ODU		AHU18HPV1BO	AHU24HPV1BO	AHU30HPV1BO	AHU36HPV1BO	AHU48HPV1BO	AHU60HPV1BO
Capacity								
Cooling	Capacity Rated	Btu/h	18000	24000	30000	36000	48000	55000
	Capacity Range	Btu/h	6000-23000	7000-26000	8000-34000	8500-39500	9000-55000	9500-57000
	Power Input	W	1552	2182	2586	3600	4800	5789
Heating	Capacity(47°F/8.3°C)	Btu/h	22000	26000	33000	38000	49000	55000
	Capacity Range	Btu/h	4600-24000	5000-30000	5500-36000	7600-39500	8000-56000	9000-58000
	Power Input(47°F/8.3°C)	W	1954	2241	2931	3375	4224	4885
	Capacity(17°F/-8.3°C)	Btu/h	20000	24000	33000	38000	45000	48000
	Capacity(5°F/-15°C)	Btu/h	20400	23000	32200	38000	48000	48000
	Capacity(-5°F/-20°C)	Btu/h	16500	20000	25500	32000	36000	41000
Efficiency								
SEER2		(Btu/h)/W	19.2	19	18	18.2	17	16.5
HSPF2(IV)		(Btu/h)/W	9	9.5	9	10	9.5	9.5
EER2		(Btu/h)/W	11.6	11	11.6	10	10	9.5
COP 5°F		W/W	1.90	1.80	1.82	1.90	2.00	2.00
IDU								
Electrical	Power Supply	V~,Hz,Ph	208-230,60,1	208-230,60,1	208-230,60,1	208-230,60,1	208-230,60,1	208-230,60,1
	MCA	A	3.7	3.7	5.7	5.7	8.5	8.5
Air Flow	H/M/L	m3/h	1020/900/750	1360/1150/950	1700/1400/1100	2040/1610/1350	2630/2215/1800	3060/2530/2000
		CFM	600/530/440	800/680/560	1000/820/650	1200/950/790	1550/1300/1050	1800/1490/1180
Noise Level		dB(A)	47/45/43	49/47/45	50/48/46	53/51/49	53/51/49	54/52/50
Extemal Static Pressure	Standard	in.w.g[pa]	0.5[125]	0.5[125]	0.5[125]	0.5[125]	0.5[125]	0.5[125]
	Range	in.w.g[pa]	0~1[0-250]	0~1[0-250]	0~1[0-250]	0~1[0-250]	0~1[0-250]	0~1[0-250]
Dimension (HWD)	Net	In.[mm]	45[1143]	45[1143]	49[1245]	49[1245]	53[1346]	53[1346]
		In.[mm]	17-1/2[445]	17-1/2[445]	21[534]	21[534]	24-1/2[622]	24-1/2[622]
		In.[mm]	21[534]	21[534]	21[534]	21[534]	21[534]	21[534]
Weight	Net	lbs	112.4	112.4	132.9	132.9	154.3	154.3
		kg	51	51	60.3	60.3	70	70
ODU								
Electrical	Power Supply	V~,Hz,Ph	208-230,60,1	208-230,60,1	208-230,60,1	208-230,60,1	208-230,60,1	208-230,60,1
	MCA	A	17	20	21	24	31	34
Air Flow		m3/h	3500	3500	4200	4200	6800	6800
		CFM	2059	2059	2471	2471	4000	4000
Noise Level		dB(A)	56	57	59	59	60	60
Dimension (HWD)	Net	In.[mm]	27-9/16[700]	31-13/16 [808]	51-15/16[1320]	51-15/16[1320]	51-15/16[1320]	51-15/16[1320]
		In.[mm]	38-9/16[980]	41-3/16[1046]	39-13/16[1011]	39-13/16[1011]	39-13/16[1011]	39-13/16[1011]
		In.[mm]	15-1/4[388]	17-15/16[455]	15-3/4[400]	15-3/4[400]	15-3/4[400]	15-3/4[400]
Weight	Net	lbs	105.8	147.7	196.2	196.2	209.4	209.4
		kg	48	67	89	89	95	95
Refrigerant								
Type			R32	R32	R32	R32	R32	R32
Charge		oz	52.9	81.1	116.4	119.9	144.6	144.6
		g	1500	2300	3300	3400	4100	4100
Pipe								
Liquid(O.D.)		In.[mm]	3/8[Φ9.52]	3/8[Φ9.52]	3/8[Φ9.52]	3/8[Φ9.52]	3/8[Φ9.52]	3/8[Φ9.52]
Gas(O.D.)		In.[mm]	5/8[Φ15.88]	5/8[Φ15.88]	5/8[Φ15.88]	5/8[Φ15.88]	3/4[Φ19.05]	3/4[Φ19.05]
Max. Length		ft[m]	98[30]	164[50]	164[50]	164[50]	164[50]	164[50]
Max. Height		ft[m]	49[15]	98[30]	98[30]	98[30]	98[30]	98[30]
Guaranteed Temperature Operation Range								
Cooling		°F[°C]	5~125 [-15~52]	5~125 [-15~52]	5~125 [-15~52]	5~125 [-15~52]	5~125 [-15~52]	5~125 [-15~52]
Heating		°F[°C]	-22~75 [-30~24]	-22~75 [-30~24]	-22~75 [-30~24]	-22~75 [-30~24]	-22~75 [-30~24]	-22~75 [-30~24]

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