

# AUX

## INVERTER DUCTED SYSTEM



R32 Environmental Refrigerant



Refrigerant Cooling



Flexible Installation



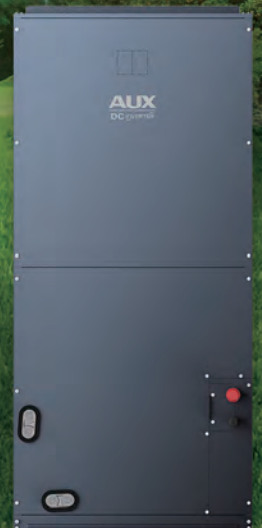
Compatible 485 & 24V



Fast Cooling / Heating



Quiet & Comfortable



# KEY 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

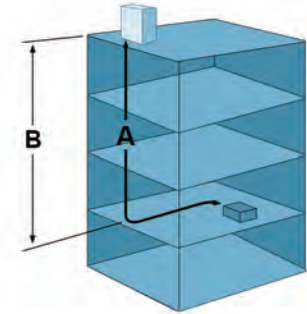
Operates under a voltage between 170V-253V to adapt to any unstable voltage, protecting the PCB against a power surge.



\*Date 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. Height (B)
Regular	18/24/30K	30m (99ft)	15m (50ft)
	36/48/60K	50m (164ft)	30m (99ft)
Hyper	18K	30m (99ft)	15m (50ft)
	24/30/36/48/60k	50m (164ft)	30m (99ft)

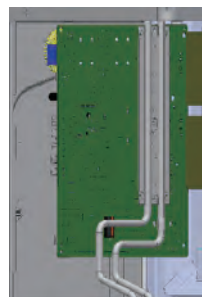
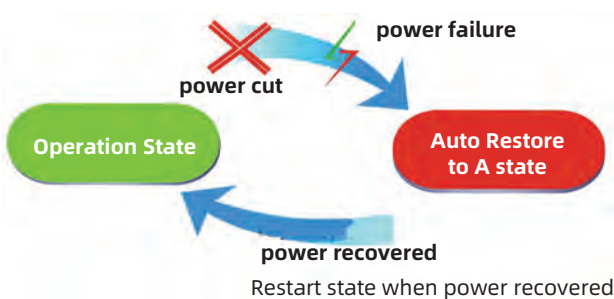
\* Date from AUX lab, 14/07/24  
 \* PZJTS240626099-01 B12 No. 8P

## AUTO-RESTART FUNCTION

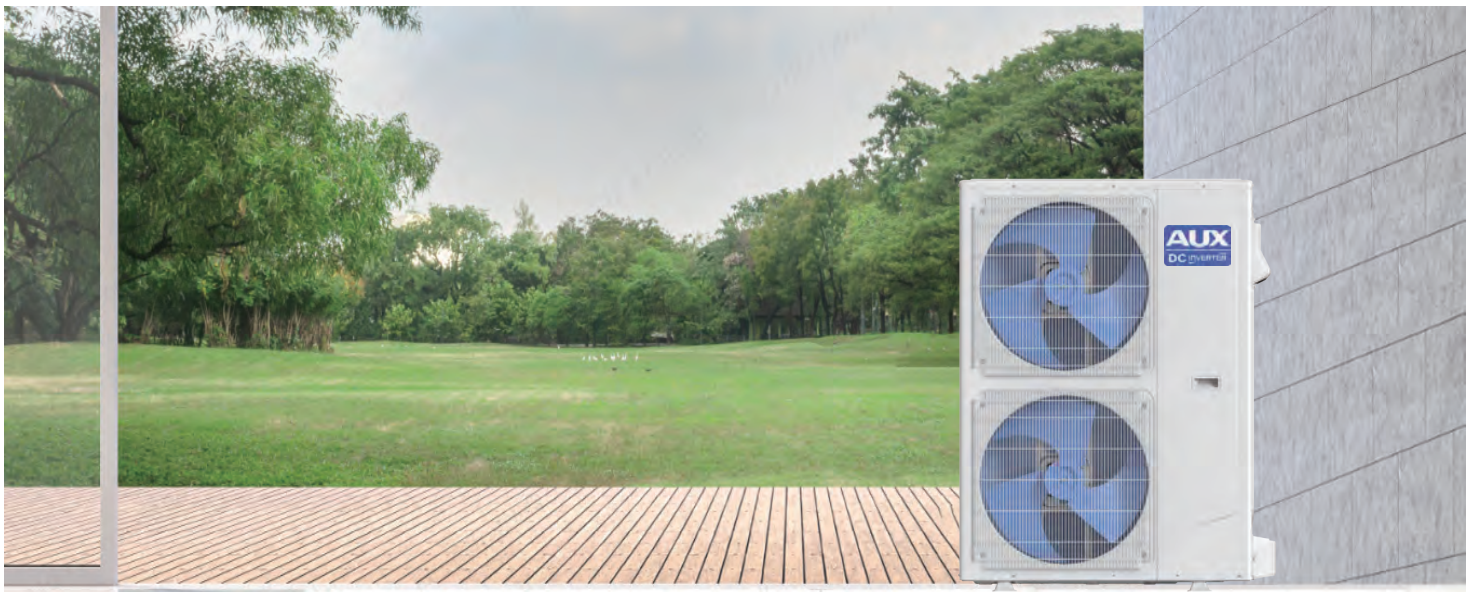
In the event of a power outage, the system automatically restarts at the same settings when powered back on, no need to restart manually.

## REFRIGERANT COOLING TECHNOLOGY

Helps reduce the operating temperature of the PCB, which prevents the PCB from over-heating and ensures its proper operation.



\*Functionality may vary by model and setup



## EASY TO INSTALL - MULTI-POSITION

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 interchangeable with other products.

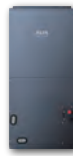


## EXTERNAL STATIC PRESSURE RANGE

Rated ESP up to 125pa.  
Max. ESP up to 250pa.



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



Indoor Unit



Outdoor Unit



Wired Controller

# SPECIFICATIONS

## REGULAR SERIES

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 °F / 8,3 °C)	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 °F / 8,3 °C)	W	1507	2069	2605	3375	4138	4741
	Capacity (17 °F / -8,3 °C)	Btu/h	14000	19000	22000	27000	45000	48000
	Capacity (5 °F / -15 °C)	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	W/W		3.5	3.4	3.6	3.3	3.4	3.4

Indoor Unit (IDU)								
Electrical	Power Supply	V~,Ph,Hz	208~230,1,60	208~230,1,60	208~230,1,60	208~230,1,60	208~230,1,60	208~230,1,60
	MCA	A	3.7	3.7	5.7	5.7	8.5	8.5
Air Flow	H/M/L	m3/h	1020/900/747	1360/1155/951	1700/1393/1104	2040/1614/1342	2633/2208/1784	3060/2530/2005
		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
External 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 W*H*D	Net	In [mm]	17.5 [445]	17.5 [445]	21.0 [534]	21.0 [534]	24.5 [622]	24.5 [622]
		In [mm]	45.0 [1143]	45.0 [1143]	49.0 [1245]	49.0 [1245]	53.0 [1346]	53.0 [1346]
		In [mm]	21.0 [534]	21.0 [534]	21.0 [534]	21.0 [534]	21.0 [534]	21.0 [534]
Weight	Net	lbs	112.4	112.4	132.9	132.9	154.3	154.3
		kg	51	51	60	60	70	70

Outdoor Unit (ODU)								
Electrical	Power Supply	V~,Ph,Hz	208~230,1,60	208~230,1,60	208~230,1,60	208~230,1,60	208~230,1,60	208~230,1,60
	MCA	A	17	20	21	24	31	34
Air Flow		m3/h	3500	3500	4200	4200	6796	6796
		CFM	2059	2059	2471	2471	4000	4000
Noise Level		dB (A)	56	57	59	59	60	60
Dimension W*H*D	Net	In [mm]	35.3 [897]	35.3 [897]	38.2 [970]	38.2 [970]	37.0 [940]	37.0 [940]
		In [mm]	27.6 [700]	27.6 [700]	31.8 [808]	31.8 [808]	52.0 [1320]	52.0 [1320]
		In [mm]	13.9 [352]	13.9 [352]	14.6 [370]	14.6 [370]	13.4 [340]	13.4 [340]
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

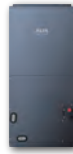
Piping							
Liquid (O.D.)	In [mm]		3/8 [Φ9.52]	3/8 [Φ9.52]	3/8 [Φ9.52]	3/8 [Φ9.52]	3/8 [Φ9.52]
Gas (O.D.)	In [mm]		5/8 [Φ15.88]	5/8 [Φ15.88]	5/8 [Φ15.88]	5/8 [Φ15.88]	3/4 [Φ19.05]
Max. Length	Ft [m]		98 [30]	98 [30]	98 [30]	164 [50]	164 [50]
Max. Height	Ft [m]		49 [15]	49 [15]	49 [15]	98 [30]	98 [30]

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]
Heating	°F [°C]		5~75 [-15~24]	5~75 [-15~24]	5~75 [-15~24]	5~75 [-15~24]	5~75 [-15~24]

Remarks :

- All specifications are subject to change by the manufacturer w/without prior notice.
- All units are being tested and comply to AHR1210/240.
- Data from AUX Lab, 30/9/24. Data may change according to test surroundings, AUX reserves right of explanation on data.





Indoor Unit



Outdoor Unit



Wired Controller

# SPECIFICATIONS

## HYPER SERIES

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	1896	2241	2931	3375	4224	4885
	Capacity (17 °F / -8,3 °C)	Btu/h	22000	24000	33000	38000	48000	48000
	Capacity (5 °F / -15 °C)	Btu/h	22000	24000	33000	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	W/W		3.4	3.4	3.3	3.3	3.4	3.3

Indoor Unit (IDU)								
Electrical	Power Supply	V~,Ph,Hz	208~230,1,60	208~230,1,60	208~230,1,60	208~230,1,60	208~230,1,60	208~230,1,60
	MCA	A	3.7	3.7	5.7	5.7	8.5	8.5
Air Flow	H/M/L	m3/h	1020/900/747	1360/1155/951	1700/1393/1104	2040/1615/1342	2633/2208/1784	3060/2530/2005
		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
External 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 W*H*D	Net	In [mm]	17.5 [445]	17.5 [445]	21.0 [534]	21.0 [534]	24.5 [622]	24.5 [622]
		In [mm]	45.0 [1143]	45.0 [1143]	49.0 [1245]	49.0 [1245]	53.0 [1346]	53.0 [1346]
		In [mm]	21.0 [534]	21.0 [534]	21.0 [534]	21.0 [534]	21.0 [534]	21.0 [534]
Weight	Net	lbs	112.4	112.4	132.9	132.9	154.3	154.3
		kg	51	51	60	60	70	70

Outdoor Unit (ODU)								
Electrical	Power Supply	V~,Ph,Hz	208~230,1,60	208~230,1,60	208~230,1,60	208~230,1,60	208~230,1,60	208~230,1,60
	MCA	A	18	21	24	28	34	36
Air Flow		m3/h	3500	4200	6796	6796	6796	6796
		CFM	2059	2471	4000	4000	4000	4000
Noise Level		dB (A)	56	57	58	58	60	60
Dimension W*H*D	Net	In [mm]	35.3 [897]	38.2 [970]	37.0 [940]	37.0 [940]	37.0 [940]	37.0 [940]
		In [mm]	27.6 [700]	31.8 [808]	52.0 [1320]	52.0 [1320]	52.0 [1320]	52.0 [1320]
		In [mm]	13.9 [352]	14.6 [370]	13.4 [340]	13.4 [340]	13.4 [340]	13.4 [340]
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

Piping								
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]

Remarks :  
 1. All specifications are subject to change by the manufacturer without prior notice.  
 2. All units are being tested and comply to AHR1210/240.  
 3. Data from AUX lab, 30/9/24. Data may change according to test surroundings, AUX reserves right of explanation on data.



# AUX



**Exclusive Distributor**

# ENAIRJ