

FUJIPURE DUCTED TYPE AIR – CONDITIONER



Air conditioning cleans and dehumidifies (removes excess moisture) from the air. It also has the task of keeping the air at the temperature you select. Most people think the air conditioning systems job is to add “cold” air to the room. Actually, there is no such thing as “cold,” just an absence of heat, or less heat than our bodies are comfortable with. The job of the air conditioning system is really to “remove” the heat that makes us uncomfortable, and return the air to the room in a “un-heated” condition. Air conditioning, or cooling, is really a process of removing heat from an object (like air).

Your air conditioners compressor circulates a liquid refrigerant called Refrigerant-12 “Freon”. The air conditioners compressor moves the Refrigerant-12 from an evaporator, through a condenser and expansion valve, right back to the evaporator. The evaporator is right in front of a fan that pulls the hot, humid air out of the room. The refrigerant makes the hot air’s moisture condense into drops of water, removing the heat from the air. Once the water is removed, the “cool” air is sent back into the room.

Features:

1. Ultra quiet design
2. Compact design
3. Flexible and convenient for installation
4. International famous brand compressor
5. High efficient heat exchanger
6. Advanced microcomputer control
7. Rotary or scroll compressor depending on capacity
8. Multi-safety protection function
9. Cooling capacities from 5. 0kw to 15. 0kw
10. 220v / 1ph / 50hz/60hz or 380V / 3ph / 50Hz/60hz power supply

Advantage: Because of the mini design, it is very convenient to installation. It can be widely used in commercial and residential places. With the features of high efficient, economical, healthy and comfortable, it must be your ideal choice for your better life.

USE: Air source heat pump could be used as water heater, floor heater and radiator, could be both cooling & heating function.

FUJIPURE DUCTED CATALOG (COOLING)

MODEL		OUTDOOR UNIT	PDP-1211W	PDP-1811W	PDP-2411W	PDP-3011W	PDP-4011WE	PDP-5011WE	PDP-6011WE
		INDOOR UNIT	PC-1216	PC-1816	PC-2416	PC-3016	PC-4013ES	PC-5013ES	PC-6013ES
Cooling Capacity		Btu/h (kW)	12,000 (3.58)	18,000 (5.27)	24,000 (7.03)	30,000 (8.79)	40,000 (11.72)	50,000 (14.65)	60,000 (17.58)
Power Source		V / Ø / Hz	220~240V / 1Ø / 50Hz				380~415V / 3Ø / 50Hz		
Cooling	Rated Input Power	W	1,215	1,900	2,500	3,200	4,000	4,720	5,750
	Rated Input Current	A	5.7	9.2	12.2	14.8	7.2	8.1	9.6
Control System	Refrigerant/Flow Control	Type	R-22 / Capillary Tube				R-22 / Accurator (Indoor Side)		
	Operating Control	Type	Wired Remote Controller / LCD Wireless Remote Controller (Option)						
Air Filter System		Type	Nylon Type Filter						
Temperature Control		Type	Microprocessor I/C Thermostat						
Fan speed	Indoor Blower	Step	3/Auto						
	Outdoor Fan	Speed	1						
Compressor		Type	Rotary				Scroll		
Condensing Unit Casing		Type	Electro Galvanized Steel Cabinet With Epoxy Coating						
Refrigerant Pipe Size Ø	Gas Value	“(Inch.)	1/2”		5/8”		3/4”		
	Liquid Value	“(Inch.)	1/4”		3/8”				
Drain Pipe Size Ø		“(Inch.)	1/2”						
Evaporator Coil		Type	Corrugated Fin						
		Row / FPI	2/12	12/16	3/16	3/14	4/14		
Condenser Coil		Type	Slit Fin						
		Row / FPI	1/16	2/16	2/17	2/16	1/22		2/14
Rated Static Inch Water			0.30			0.50	0.80		1.00
Air Flow	Indoor Unit	CFM / CMH	400/680	600/1020	800/1360	1000/1700	1600/2720		2000/340
Blower Wheel Ø	Indoor Unit	Ø x L x No.	157x160x2			157x200x2	202x195x2		
Piping Length (Max.)	Horizontal	M				15			
	Vertical	m	8						
Noise Level	Indoor Unit	dB(A) ± 3	40 ± 3	42 ± 3	43 ± 3	45 ± 3	51 ± 3		53 ± 3
	Outdoor Unit	dB(A) ± 3	47 ± 3	50 ± 3	52 ± 3	58 ± 3	65 ± 3		65 ± 3
Energy Efficiency Ratio	E.E.R. (Cooling)	Btu/W.h	9.88	9.47	9.60	9.38	10.00	10.6	10.43
Motor Output	Blower Carton	HP	1/15		1/10	1/8	1/3		1/2
	Outdoor Fan Carton	W	35	38	60	60	200		60
Net Dimensions Indoor WxHxD	Indoor Carton	mm ± 5	742x267x455			790x319x525	790x339x652		992x339x652
	Outdoor Carton	mm ± 5	795x520x260	795x520x260	880x680x310	900x810x330	1000x1000x350	1000x1000x350	970x1230x350
Packing Dimensions WxHxD	Blower Motor	mm ± 5	340x910x575			955x390x645	955x410x755		1160x410x775
	Outdoor Fan Motor	mm ± 5	920x595x335	920x595x335	1000x780x420	1030x880x450	1150x1110x480	1150x1110x480	1065x1390x475
Net Weight	Indoor Unit	KG ± 0.5	24			34	43		50
	Outdoor Unit	KG ± 0.5	35	43	46	79	89	89	116
Gross Weight	Indoor Carton	KG ± 0.5	27			38	47		55
	Outdoor Carton	KG ± 0.5	36	45	51	89	101	101	123