



Duct (With Hot Water Coil "option")

Specification

Indoor Model:		APDI24HWM2050Z	APDI36HWM2050Z	APDI48HWH2050Z	APDI60HWH2050Z		
Outdoor Model:		APDO24C201R250Z	APDO36C201R250Z	APDO48C38R250Z	APDO60C38R250Z		
Power		V/Ph/Hz	220/1/50	220V/1/50	380V/3/50	380V/3/50	
Cooling	Capacity	Btu/(N)h	24000	36000	48000	60000	
		W	6950	9700	14270	17580	
	Input	W	2447	3292	5140	6010	
	Rated current	A	10.2	15	7.8	9.8	
	EER	Btu/h.W	8.73	9.00	8.8	9.7	
Heating	Capacity	W/W	2.84	2.9	2.77	2.82	
		Btu/h	40000	60000	80000	100000	
Moisture Removal		W	11720	17600	23440	29300	
Max. input consumption		l/h	3.56	3.82	4.50	5.20	
Max. current		W	4000	5200	7540	8650	
Starting current		A	23	24.9	13.5	15.5	
Operation Control		A	65	90	43	50	
			Wire Control	Wire Control	Wire Control	Wire Control	
Indoor cooling coil	Number of row		2	3	4	4	
	Fin spacing	mm	2	2	2	2	
	Fin material		Hydrophilic louvered aluminum fin	Hydrophilic louvered aluminum fin	Hydrophilic louvered aluminum fin	Hydrophilic louvered aluminum fin	
	Tube outside diameter	mm	φ9.52	φ9.52	φ9.52	φ9.52	
	Tube material		Inner-grooved Copper Tube	Inner-grooved Copper Tube	Inner-grooved Copper Tube	Inner-grooved Copper Tube	
	Coil length x height x width	mm	800×320×66	800×320×66	925×365×88	925×365×88	
	Number of circuit		4	4	4	4	
	Max. Working Pressure	MPa	2.55	2.55	2.55	2.55	
	Water pressure drop	kPa	19	10	10	10	
	Water flow volume	m ³ /h	0.91	1.82	1.82	1.82	
Indoor heating coil	Running pressure		≤1.6MPa	≤1.6MPa	≤1.6MPa	≤1.6MPa	
	Number of row		1	1	2	2	
	Fin spacing	mm	1.4	1.4	1.4	1.4	
	Fin material		Hydrophilic louvered aluminum fin	Hydrophilic louvered aluminum fin	Hydrophilic louvered aluminum fin	Hydrophilic louvered aluminum fin	
	Tube outside diameter	mm	φ9.52	φ9.52	φ9.52	φ9.52	
	Tube material		Inner-grooved Copper Tube	Inner-grooved Copper Tube	Inner-grooved Copper Tube	Inner-grooved Copper Tube	
	Coil length x height x width	mm	734×304.8×22	734×304.8×22	855×304.8×44	855×304.8×44	
	Number of circuit		2	2	4	4	
	Connected pipe size	mm	DN20	DN20	DN20	DN20	
	Indoor fan motor	Brand		JIANGNAN KAIHUA	JIANGNAN KAIHUA	JIANGNAN KAIHUA	JIANGNAN KAIHUA
Model			YSK139-250-4P	YSK139-200-4PB	YSK139-350-4PB	YSK139-350-4PB	
Input		W	305/272/246	398/360/324	600/550/500	600/550/500	
Output		W	196/172/158	198/178/161.3	350/300/250	350/300/250	
Running current		A	1.39/1.25/1.14	1.84/1.66/1.5	2.8/2.6/2.3	2.8/2.6/2.3	
Capacitor		μF	6μF/ 450V	8μF/ 450V	10μF/ 450V	10μF/ 450V	
Speed (Hi/Me/Lo)		rpm	943/873/820	1090/1020/950	1300/1200/1100	1300/1200/1100	
Applied QTY.			1	1	1	1	
Applied Fan		Type		Forward-curved Centrifugal	Forward-curved Centrifugal	Forward-curved Centrifugal	Forward-curved Centrifugal
		Applied QTY.		2	2	2	2
E.S.P		Pa	70	70	130	130	
Indoor air flow	Free blow (Hi/Me/Lo)	m ³ /h	2100/1800/1500	2100/1800/1500	2600/2280/1910	2600/2280/1910	
	Rated ESP (Hi/Me/Lo)	m ³ /h	1800/1500/1200	1800/1500/1200	2400/2100/1760	2400/2100/1760	
Indoor noise level (Hi/Me/Lo) @ Rated ESP (H/M/L)		dB(A)	50/48/46	50/48/46	55/53/51	55/53/51	
Indoor dimension	Unit (WxHxD)	mm	1110×370×615	1110×370×615	1230×415×615	1230×415×615	
	Packing (WxHxD)	mm	1170×400×645	1170×400×645	1290×435×675	1290×435×675	
Indoor weight	Net	kg	43	43	58	58	
	Gross	kg	50	50	65	65	

		Number of row	1	2	1	2
Outdoor coil	Fin spacing	mm	1.5	1.5	1.5	1.5
	Fin material		Non-hydrophilic louvered aluminum fin	Non-hydrophilic louvered aluminum fin	Non-hydrophilic louvered aluminum fin	Non-hydrophilic louvered aluminum fin
	Tube outside diameter	mm	φ9.52	φ9.52	φ9.52	φ9.52
	Tube material		Inner-grooved Copper Tube	Inner-grooved Copper Tube	Inner-grooved Copper Tube	Inner-grooved Copper Tube
	Dimension(L x H x W)	mm	790x655x44	830x760x44	920x1110x44	920x1110x44
	Number of circuit		4	6	8	8
	Max. Working Pressure	Mpa	2.8	2.8	2.8	2.8
Compressor	Brand		SANYO	SANYO	SANYO	SANYO
	Model		C-3RV416H2AAF	C-SB261H5A	C-SBX180H38C	C-SB453H8A
	Type		Rotary	Scroll	Scroll	Scroll
	Capacity	Btu/h	23942	33098	48790	60395
	Input	W	2340	3250	4900	5500
	Rated current(RLA)	A	9.8	14.2	7	8.9
	Locked rotor Amp(LRA)	A	51	75	42	46
	Thermal protector		INNER	INNER	INNER	INNER
	Capacitor	μF	40μF/450V	60μF/330V	/	/
	Refrigerant oil	ml	SAY-56T/1350ml	SAY56T/1700ml	SAY56T/1700ml	SAY56T/1700ml
	Outdoor fan motor	Brand		chigo	chigo	chigo
Model						
Input		W	122	153	103×2	103×2
Output		W	78	93	58×2	58×2
Running current		A	0.56	0.67	0.48×2	0.48×2
Capacitor		μF	4μF/450V	5μF/450V	3μF/450V	3μF/450V
Speed		rpm	836	852	832	832
Applied QTY.			1	1	2	2
Applied Fan		Type	Axial-flow	Axial-flow	Axial-flow	Axial-flow
Outdoor air flow		m ³ /h	2800	4000	5800	5800
Outdoor noise level		dB(A)	56	59	62	62
Outdoor dimension	Unit (WxHxD)	mm	900×835×330	900×835×330	970×1260×350	970×1260×350
	Packing (WxHxD)	mm				
Outdoor weight	Net	kg	73	78	115	115
	Gross	kg	82	86	127	127
Refrigerant	Type		R22	R22	R22	R22
	Charge	g	2200	2430	3650	4000
Connected pipe size	Liquid sideΦ	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas side Φ	mm	Φ15.88	Φ19.05	Φ19.05	Φ19.05
	Max. refrigerant pipe length	m	30	30	50	50
	Max. difference in level	m	15	15	30	30
Operation temperature range		°C	16~31	16~31	16~31	16~31
Ambient temperature range		°C	-7~43	-7~43	-7~43	-7~43
Application area		m ²	27~45	40~71	68~110	68~110

Remark: The above design and specification are subject to change without prior notice for product improvement.

Rating Conditions	Cooling	Heating
Indoor Temperature	27°C DB/19°C WB	20°C DB/15°C WB
Outdoor Temperature	35°C DB/24°C WB	7°C DB/6°C WB