

INVERTER DUCT TYPE HEAT PUMPS



WIV_6



50
Hz

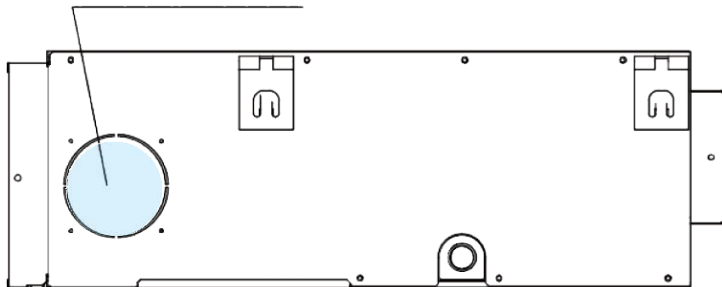
R-410A

WOV_6

FEATURES:

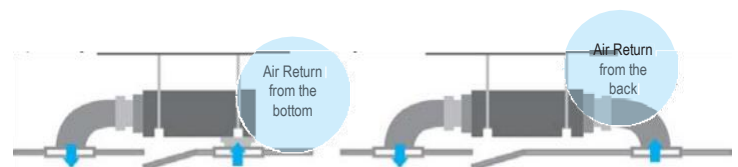
Fresh Air

Fresh air hole as standard for easy connection.



Flexible Air Return

The air return from the back as standard and bottom return as option. The size of the plate from the bottom and flange from the back is the same. It is easy for installer to change the position on-site.



Technical Specifications: Indoor Unit

R410A, inverter, Duct AC, cooling and heating			WIV_24E6 24000Btu	WIV_30E6 30000Btu	WIV_36E6 36000Btu	WIV_48G6 48000Btu	WIV_60G6 55000Btu
Power supply (Indoor)		V- Ph-Hz	220~240-1-50	220~240-1-50	220~240-1-50	220~240-1-50	220~240-1-50
Power supply (Outdoor)		V- Ph-Hz	220~240-1-50	220~240-1-50	220~240-1-50	380~415-3-50	380~415-3-50
Average	Pdesignc	kW	7	8,8	10,5	14	16,0
	SEER	W/W	6,1	6,1	6,3	6,1	6,1
	Energy Eff. Class		A++	A++	A++	A++	A++
	Pdesignh	kW	5,8	8,2	10,5	12,2	12,3
	SCOP	W/W	4,0	4,0	4,0	4,0	4,0
	Energy Eff. Class		A+	A+	A+	A+	A+
	Tbiv	°C	-7	-7	-7	-7	-7
	Tol	°C	-15	-15	-15	-15	-15
Warmer	Pdesignh	kW	5.6	8.6	10.5	11.6	12.3
	SCOP	W/W	5.1	5.1	5.1	5.1	5.1
	Energy Eff. Class		A+++	A+++	A+++	A+++	A+++
	Tbiv	°C	2	2	2	2	2
Cooling	Capacity	Btu/h	24k(4100-28k)	30k(7100-36k)	36k(10000-41k)	48k(14000-56k)	54k(17k-61800)
	Capacity	kW	7.03(1.20-8.21)	8.79(2.08-10.55)	10.55(2.93-12.02)	14.07(4.10-16.41)	15.82(4.98-18.11)
	Input	W	2285(400-3155)	2875(690-4055)	3965(975-4620)	5115(1370-6310)	5255(1660-6965)
	Current	A	10.4(1.8-14.4)	13.1(3.2-18.5)	18.1(4.2-20.1)	8.8(2.4-10.9)	9.1(2.9-12.0)
Heating	Capacity	Btu/h	24k(4100-29500)	32k(7100-37k)	38k(9000-45k)	55k(14800-61850)	62k(18000-70k)
	Capacity	kW	7.03(1.20-8.65)	9.38(2.08-10.84)	11.13(2.64-13.19)	16.12(4.34-18.13)	18.17(5.28-20.51)
	Input	W	1900(400-3090)	2460(690-3870)	2923(880-4690)	4355(1445-6475)	5033(1760-7320)
	Current	A	8.7(1.8-14.1)	11.2(3.2-17.7)	13.4(3.8-20.4)	7.5(2.5-11.2)	8.7(3.0-12.6)
Indoor fan motor	Model		ZKFN-90-8-1	ZKFN-150-8-1	ZKFN-240-8-1	ZKFN-240-8-1	ZKFN-240-8-1
	Old Model		WZDK90-38GS-W	WZDK150-38GS-W	WZDK240-38GS-W		
	Qty		1	1	1	1	1
	Input	W	96	150	206	206	206
	Capacitor	uF	---	---	/	---	---
	Speed (Hi/Med/Lo)	r/min	1080/1000/890	1000/910/840	950/870/820	1180/1070/980	1180/1070/980
Indoor coil	Number of rows		4	4	4	4	4
	Tube pitch*row	mm	21x13.37	21x13.37	21x13.37	21x13.37	21x13.37
	Fin spacing	mm	1,5	1,5	1,5	1,5	1,5
	Fin type		Hydrophilic aluminium				
	Tube dia and type	mm	Φ7, innergroove tube				
	Coil L*H*W	mm	733x252x53.48	955x336x53.48	1030x378x53.48	1030x378x53.48	1030x378x53.48
	Number of circuits		6	8	8	8	8
Indoor air flow	m3/h	1360/1200/970	1580/1400/1100	1750/1500/1280	2200/1900/1600	2200/1900/1600	
ESP	Rated	Pa	25	37	37	50	50
	Range	Pa	0-100	0-100	0-100	0-100	0-100
Indoor sound pressure level	dB(A)	46/42/38	50/48/44	48/45/40	50/47/44	50/47/45	
Indoor sound power level	dB(A)	62	65	61	68	69	
Indoor unit	Dimension (WxDxH)	mm	920x635x270	1140x775x270	1200x865x300	1200x865x300	1200x865x300
	Packing(WxDxH)	mm	1150x655x350	1355x795x350	1405x920x373	1405x920x373	1405x920x373
	Net/Gross weight	kg	28/31.5	35/42	45/53	43.2/51.6	43.1/51.5
Design pressure	MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	
Drainage water pipe diameter	mm	ODΦ25	ODΦ25	ODΦ25	ODΦ25	ODΦ25	
Refrigerant piping	Liquid side/ Gas side	mm	Φ9.52/Φ15.9 (3/8"/5/8")				
Controller	Standard	Wired control	Wired control	Wired-KJR-12B/DP(T)-E	Wired control	Wired control	
Operation temperature	°C	17~30	17~30	17~30	17~30	17~30	
Room temperature	Cooling	°C	17~32	17~32	17~32	17~32	
	Heating	°C	0~30	0~30	0~30	0~30	

Technical Specifications: Outdoor Unit

Outdoor unit		WOV_24E6 24000Btu	WOV_30E6 30000Btu	WOV_36E6 36000Btu	WOV_48G6 48000Btu	WOV_60G6 55000Btu	
Power supply	V-ph-Hz	220~240-1-50	220~240-1-50	220~240-1-50	380~415-3-50	380~415-3-50	
Max. input consumption	W	2950	3400	4500	6100	7500	
Max. input current	A	14,0	19,0	21,0	13,0	14,0	
Compressor	Model	ATF235D22UMT	ATF235D22UMT	ATF310D43UMT	ATQ420D1UMU	ATQ420D1UMU	
	Type	ROTARY					
	Brand	GMCC					
	Capacity	Btu/h	24345	24345	32380	44697	44697
	Input	W	1970	1970	2600	3420	3420
	Rated current(RLA)	A	6,95	6,95	5,10	6,85	6,85
	Refrigerant oil	ml	POE(VG74)/670		PQE(VG74)/1000	Ester Oil VG74/1400	
Outdoor fan motor	Model	ZKFN-50-8-2	ZKFN-120-8-2		ZKFN-85-8-22+ZKFN-85-8-22-2		
	Old Model	--	WZDK120-38G-W	WZDK120-38G-W	--	--	
	Qty	1	1	1	1+1	1+1	
	Input	W	115	150	150	126	126
	Capacitor	µF	/	/	/	/	/
	Speed(Hi)	r/min	760	800	950	850	850
Outdoor coil	Number of rows	2	1,6	2	1,6	2	
	Tube pitch(a)* row pitch(b)	mm	25.4x22				
	Fin spacing	mm	1.4	1,3	1.3	1,4	1,4
	Fin type	Hydrophilic aluminium					
	Tube outside dia.and type	mm	Φ9.52,innergroove tube				
	Coil length * height * width	mm	730x660x44	1005x762x22+580x762x22	995x762x44	990x1270x22+500x1270x22	990x1270x44
	Number of circuits		4	4	4	8	8
Outdoor air flow	m3/h	2700	4300	4300	6800	7200	
Outdoor sound pressure level	dB(A)	60,5	59,5	61	65	62,5	
Outdoor sound power level	dB(A)	65	66	66	72	75	
Throttle type	Capillary +EXV						
Outdoor unit	Dimension(WxDxH)	mm	845x363x702	946x410x810	946x410x810	952x415x1333	952x415x1333
	Packing(WxDxH)	mm	965x395x755	1090x500x875	1090x500x875	1095x495x1480	
	Net/Gross weight	kg	49/51.5	62.9/68.5	67.2/72.9	108.1/121.2	112.8/126
Refrigerant	Type	R410A					
	GWP	2088					
	Charged quantity	Kg	1,95	2,8	3,2	4	4,3
Design pressure	MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9(3/8"/5/8")				
	Max. pipe length	m	50	50	65	65	65
	Max. difference in level	m	25	25	30	30	30
Ambient temperature	Cooling	°C	-15~50				
	Heating	°C	-15~24				
Qty'ber 20' /40' /40'HQ	Outdoor	102/216/216	44/96/144	44/96/144	22/48/48	22/48/48	

Optional Accessories:



Canvas Air Passage



Front Board



Filter



Panel



Westinghouse



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