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Kanion Air Conditioners



Product Picture & Outstanding Features



E Star™ 3D Inverter SEER22 Ductless High Wall Split Type - Heat Pump Air Conditioner



Designed for the USA & Canada



Intertek											
Model Number			Specifications								
			KWSM-09IR410AHS22L	KWSM-12IR410AHS22L	KWSM-09IR410AHS22	KWSM-12IR410AHS22	KWSM-18IR410AHS22	KWSM-24IR410AHS22			
Power supply		Ph-V-Hz	115V~ 60Hz , 1Ph			208-230V~60Hz ,1Ph					
Cooling	Capacity	Btu/h	9000	12000	9000	12000	18000	24000			
	Input	W	665	960	640	923	1384	1920			
	Rated current	A	5.8	8.4	2.9	4.05	6.1	8.4			
	EER	Btu/w	13.5	12.5	14	13	13	12.5			
	SEER		22.5	21.5	22.8	21.5	20.8	20.5			
Heating	Capacity		9800	11800	9800	12000	18000	25000			
	Input	W	790	1120	930	1085	1570	2315			
	Rated current	A	6.9	9.8	4.2	4.72	6.82	10.1			
	COP	W/W	3.64	3.09	3.09	3.24	3.36	3.17			
	HSPF4	Btu/w	10.5	11.2	10.5	9.8	10	10			
	HSPF5		8.6	9	8.6	7.7	8	8.3			
MINIMUM CIRCUIT AMPACITY		A	15		10		12	15	18		
MAX.FUSE		A	20		15		12	20	25		
Compressor	Type	ROTARY									
	Brand	GMCC									
Indoor fan motor	Model		ZKFP-20-8-5	ZKFP-20-8-5	ZKFP-20-8-6	ZKFP-20-8-6	ZKFP-58-8-1	ZKFN-120-8-2			
	Brand		Welling								
	Input	W	25		22		58(Output)		150		
	RLA	A	0.3		0.25		0.4		0.45		
	Speed(Hi/Mi/Lo)	r/min	1080/850/700		1080/850/650		1080/850/700		1100/900/700		
Indoor air flow (Hi/Mi/Lo)		m3/h	500/360/250		450/348/240		520/360/250		950/620/520	1050/800/550	
Indoor air flow (Hi/Mi/Lo)		CFM	294/212/147		306/212/147		265/205/141		306/212/147	559/365/306	618/471/324
Indoor noise level (Hi/Mi/Lo)		dB(A)	36/32/23			36.5/30/25		43/38/32		47.5/42/33	
Indoor unit	Dimension(W*D*H)	mm	802x189x297				1080x226x335				
	Dimension(W*D*H)	inch	31.57x7.44x11.69				42.52x8.90x13.19				
	Packing (W*D*H)	mm	875x285x375				1155x415x315				
	Packing (W*D*H)	inch	34.45x11.22x14.76				45.47x16.34x12.40				
	Net/Gross weight	Kg	8.2/10				13.2/16.8				
	Net/Gross weight	lbs.	18.1/22.0				29.1/37.0				
Outdoor fan motor	Brand		Welling								
	Input	W	63				50(Output)		150		
	RLA	A	0.6	0.6	0.4	0.4	0.6	0.6			
Outdoor air flow		m3/h	1800	1900	1800	1900	2500	4000			
Outdoor air flow		CFM	1060	1120	1060	1120	1470	2355			
Outdoor noise level		dB(A)	52.5			55.5	57.5	61			
	Dimension(W*D*H)	mm	770x300x555	800x333x554	770x300x555	800x333x554	845x363x702	946x410x810			

Outdoor unit	Dimension(W*D*H)	inch	30.31x11.81x21.85	31.50x13.11x21.81	30.31x11.81x21.85	31.50x13.11x21.81	33.27x14.29x27.64	37.24/16.14/31.89	
	Packing (W*D*H)	mm	900x345x585	920x390x615	900x345x585	920x390x615	965x395x755	1090x500x875	
	Packing (W*D*H)	inch	35.43x13.58x23.03	36.22x15.35x24.21	35.43x13.58x23.03	36.22x15.35x24.21	38.00x15.55x29.72	42.91x19.69x34.45	
	Net/Gross weight	Kg	29/31.5	37/40	29/31.5	37/40	45.8/49.1	62/66.8	
	Net/Gross weight	lbs.	63.9/69.4	81.6/88.2	63.9/69.4	81.6/88.2	101.0/108.2	136.69/147.27	
Refrigerant type		g	R410a/1100g	R410a1150g	R410a/1000g	R410a/1151g	R410a/1950g	R410a/2350g	
Refrigerant type		oz	R410a/38.8	R410a/40.6	R410a/38.8	R410a/40.6	R410a/68.8	R410a/82.9	
Refrigerant precharge		ft	25						
Additional charge for each ft		oz	0.161						0.322
Design pressure		PSIG	550/340 PSIG						
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ12.7(1/4"/1/2")	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ12.7(1/4"/1/2")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")	
	Max. refrigerant pipe length	m	25				30	50	
	Max. refrigerant pipe length	ft	82				98	164	
	Max. difference in level	m	10				20	25	
	Max. difference in level	ft	33				66	82	
Connection wiring	16AWG*4 Stranded, unshielded								
Thermostat type	Remote Control								
Operation temperature	Indoor(cooling/ heating)	℃	17~32/0~30						
	Indoor(cooling/ heating)	℉	62~90/32~86						
	Outdoor(cooling/heating)	℃	-25~50/-25~30						
	Outdoor(cooling/heating)	℉	-13~122/-13~86						
Application area (cooling standard)	m2	12-17.6	16-23.4	12-17.6	16-23.4	23.3-34.2	30.6-44.9		
Application area (cooling standard)	sq.ft	129-189	172-252	129-189	172-252	251-368	330-484		
Qty/per 20' /40' /40'HQ	set	103/218/246	82/182/212	102/218/246	82/182/212	66/138/148	44/94/108		

United States National Average Annual Operating Cost - Data Provided by AHRI							
Model Number		KWSM-09IR410AHS21L	KWSM-12IR410AHS21L	KWSM-09IR410AHS21	KWSM-12IR410AHS21	KWSM-18IR410AHS21	KWSM-24IR410AHS21
Cooling (US\$)		53	74	52	74	113	155
Heating (US\$)		197	227	197	259	380	529
Trade Terms							

1. Warranty: 5 years for compressor, 2 years for units
2. 1% free spare parts of total amount with shipment (For normal order of one container or more)
3. Payment term: 30% TT as deposit before production , balance 70% by T/T before shippment (For order meet MOQ)
4. Delievery: Within 40 days after receipt TT deposit
5. Trade term: FOB Beijjiao, China

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5 Year for Compressor and 2 Years for Parts, Kanion Warranty

