

YUKON

CASSETTE Y

Free-Match & Light Commercial



Feature

► 5-fold exchanger

The evaporator adopts a 5-fold evaporator, which has a larger heat exchange area and a 12% increase in heat exchange efficiency compared to traditional 4-fold evaporators.



► Round-way air supply

Round flow panel make the air diffuse from 360° direction, and the temperature distribution is more uniform.



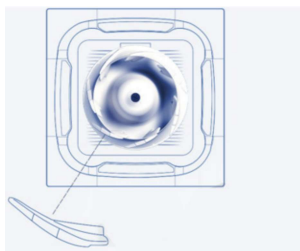
► long distance air supply

The air supply distance reaches 4m, meeting the air supply requirements for tall spaces.



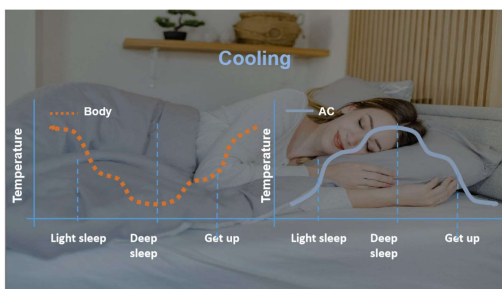
► Big air volume

Adopting a large-diameter spiral wind wheel for larger air volume and lower noise.



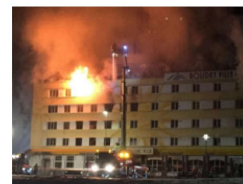
► Sleeping mode

Turn on sleep mode at night, no need to worry about being too cold or too hot, and sleep comfortably all night long.



► Central control function

Optional dry node function, when the unit senses the window opening or sensing the fire, the unit will automatically shut down.



Technical Data

Indoor Unit	Indoor		KC-18A1-I	KC-24A1-I	KC-42A1-I	KC-60TA1-I
	Panel		MB13/W-Y1	MB12	MB12	MB12
	Outdoor		AL-H18/NDR3HB2(U)	AL-H24/NDR3HB2(U)	AL-H42/NDR3C2(U)	AL-H60/SDR3C2(U)
IDU Power Supply		V~,Hz,Ph	220-240/50&60/1	220-240/50&60/1	220-240/50&60/1	220-240/50&60/1
Capacity	Cooling	Btu/h	18000(5200-19100)	24000(7400-28000)	42000(9800-42600)	55000(16241-59710)
		KW	5.28(1.53-5.60)	7.03(2.16-8.20)	12.10(2.90-12.50)	16.00(4.76-17.5)
	Heating	Btu/h	19100(4800-21200)	27300(6800-31700)	46000 (8800-49400)	58000(16308-63122)
		KW	5.60(1.40-6.20)	7.91(1.98-9.30)	13.50(2.60-14.50)	17.00(4.78-18.50)
Electric Data	Rated Cooling Power Input	KW	1.55(0.47~2.30)	2.10(0.67-3.30)	3.80(0.71~4.50)	5.25 (1.71-6.85)
	Rated Heating Power Input	KW	1.51(0.46~2.25)	2.13(0.65-3.30)	3.50(0.47~4.20)	5.05 (1.71-7.00)
	Rated Cooling Current	A	6.74(2.04~10.00)	9.13 (2.91-14.35)	17.00(3.20~20.00)	9.00 (1.50-12.00)
	Rated Heating Current	A	6.57(2.00~9.78)	9.26 (2.83-14.35)	16.00(2.43~18.50)	8.50 (1.50-12.00)
Performance	EER/COP	W/W	3.41/3.71	3.35/3.71	3.18/3.86	3.05/3.37
	SEER/SCOP	W/W	6.1/4.0	6.1/4.0	/	/
Indoor Coil	A.Number Of Row		2	2	3	3
	B.Tube Pitch(a)x Row Pitch(b)	mm	20.5×12.7	20.5×12.7	20.5×12.7	20.5×12.7
	C.Fin Pitch	mm	1.4	1.4	1.5	1.5
	D.Fin Material		Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin
	E.Tube Outside Dia.And Material	mm	Φ7,Inner grooved	Φ7,Inner grooved	Φ7,Inner grooved	Φ7,Inner grooved
	F.Coil Length x Height x Width	mm	1305×205×25.4	2054×205×25.4	2012×246×38.1	2012×246×38.1
	G.Number of circuit	/	4	8	6	6
Indoor Unit	Indoor Air Flow (Hi/Mi/Lo)	m³/h	760/650/580	1500/1350/1200	2000/1700/1600	2000/1700/1600
		CFM	447/382/341	882/794/706	1176/1000/941	1176/1000/941
	Sound Pressure Noise(Hi/Mi/Lo)	dB(A)	44/41/38	46.5/45/43	52/50/48	53/49/47
	Sound Power Noise Level	dB(A)	56	56	62	62
	Net Dimension (W*D*H)	mm	570×570×260	840×840×246	840×840×288	840×840×288
	Packing Dimension (W*D*H)	mm	720×650×290	910X910X310	910X910X350	910X910X350
Panel	Net Weight	Kg	15.5	26	29	29.5
	Gross Weight	Kg	18	30	33	33.5
	Net Dimension (W*H*D)	mm	650×650×55	950×950×55	950×950×55	950×950×55
	Packing Dimension (W*H*D)	mm	710×710×80	1000×1000×100	1000×1000×100	1000×1000×100
Refrigerant Pipe	Net weight	Kg	2.2	5.3	5.3	5.3
	Gross weight	Kg	3.7	7.8	7.8	7.8
	Liquid Side	mm	6.35(1/4)	9.52(3/8)	9.52(3/8)	9.52(3/8)
Refrigerant Pipe	Gas Side	mm	12.7(1/2)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Outdoor Unit						
Power Supply		V~,Hz,Ph	220-240/50&60/1	220-240/50&60/1	220-240/50&60/1	380-415/50&60/3
Max. Input Consumption		W	2400	3650	5370	7000
Max. Current		A	12	16	25	12.0
DC Inverter Compressor	Model		KSN140D53UFZM3	KTM240D43UKUA2	KTM240D43UKP	KTF420D64UMVA
	Type		ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC
	Capacity	W	4345	7555	7640	13350
	Input	W	1100	2050	2065	3645
	Frequency range	Hz	10-120	12-120	12-120	12-120
	Rated Current(RLA)	A	6.75	9.35	9.3	6.8
Refrigerant Oil	ml	420±15(VG74)	620 (VG74)	620 (VG74)	1000ml (VG74)	
Air Flow Volume		CFM	1529	2471	2353	4235
Sound Pressure Noise Level		m³/h	2600	4200	4000	7200
Sound Power Noise Level		dB(A)	55	58	60	60
Dimension(W×D×H)	Net	mm	785×300×555	900×350×700	970×395×805	940×370×1325
	Packing	mm	900×380×615	1020×430×770	1105×495×895	1080×430×1440
Weight	Net	kg	29	43	61	85
	Gross	kg	34	48	65.5	95
Refrigerant Type/Quantity	Type		R32	R32	R32	R32
	Charged Volume	kg	1.03	1.45	2.75	3.05
Design Pressure		MPa	4.2	4.2	4.2	4.2
Refrigerant Piping	Liquid Side	mm	6.35(1/4)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm	12.7(1/2)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in (DN20)	R3/4in (DN20)
	Max. Length	m	30	50	65	65
	Max. Height	m	20	25	30	30
Operation Temperature Range		°C	16~32	16~32	16~32	16~32
Ambient Temperature Range(Cooling/Heating)		°C	-15-52/-15-24	-15-52/-15-24	-15-52/-15-24	-15-52/-15-24
Specification of Wiring	Power Wiring (IDU)	mm²	/	/	/	/
	Power Wiring (ODU)	mm²	3*2.5	3*2.5	3*4.0	5*2.5
	Connection Wiring(IDU&ODU)	mm²	3*1.5	3*1.5	3*1.5	3*1.5
	Signal Wiring(IDU&ODU)		1*1.5	1*1.5	/	/

YUKON

SLIM DUCT Y

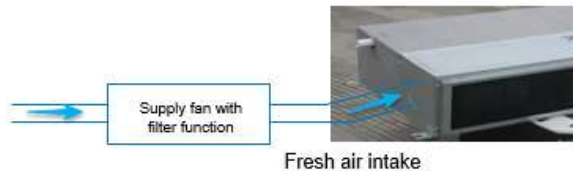
Free-Match



Feature

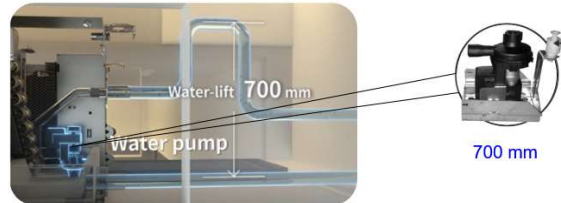
► Fresh air inlet

Fresh air inlet design, fresh air can be introduced to ensure fresh air in the room.



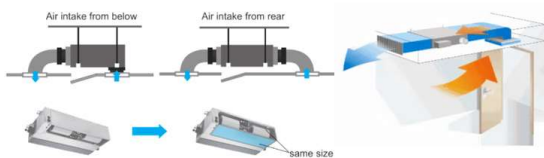
► Silent water pump

Select silent water pump to ensure different customer installation requirements.



► Two return air modes are selected

Two return air modes are selected (back return air and down return air), Easy to change.



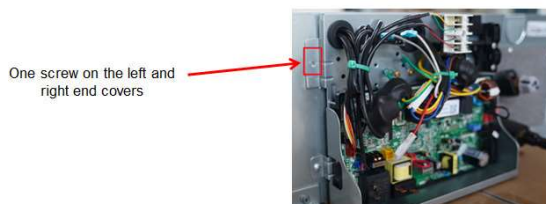
► Central control function

Optional dry node function, when the unit senses the window opening or sensing the fire, the unit will automatically shut down.



► Electronic control is easy to maintain

Quickly remove 1 screw from the left and right end cover. Change the direction of output line, maintenance without shielding, increase the maintenance space.



► Double drain holes

Double drainage design on the left and right side of the water plate, flexible to adapt to the installation site.



YUKON

MEDIUM DUCT M

Free-Match & Light Commercial



Feature

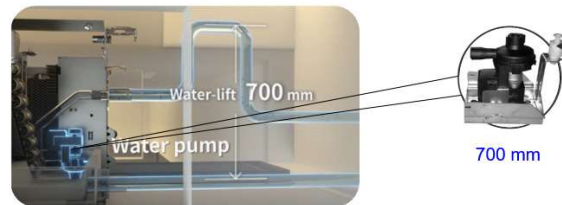
► Fresh air inlet

Fresh air inlet design, fresh air can be introduced to ensure fresh air in the room.



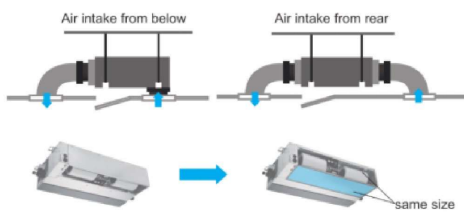
► Silent water pump

Select silent water pump to ensure different customer installation requirements.



► Two return air modes are selected

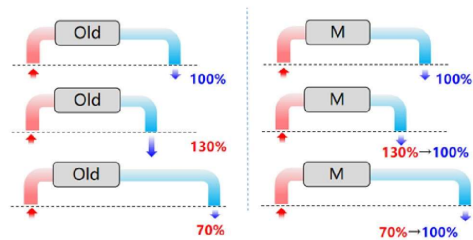
Two return air modes are selected (back return air and down return air), Easy to change.



► Constant Air Flow Volume

(only certain model support)

Under different ESP, the product supply Constant air flow volume for comfort.



► ESP meet kinds application

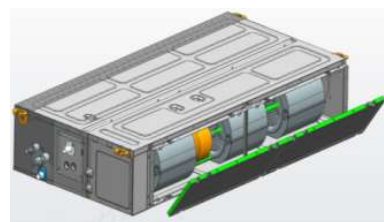
(Only DC models support)

Widest ESP range (0-150Pa) with possibility to change ESP by controller and meet different kinds application like apartment, villa...



► W Type High efficiency filter screen

Easy disassembly (0 Screws)
Convenient to wash
High efficiency (W type)



► Central control function

Optional dry node function, when the unit senses the window opening or sensing the fire, the unit will automatically shut down.



► Double drain holes

Double drainage design on the left and right side of the water plate, flexible to adapt to the installation site.



Technical Data

Model	Indoor		KD18A1-I	KD-24A1-I	KD-42A1-I	KD-60TA1-I
	Outdoor		KD-18A1-O	KD-24A1-O	KD-41A1-O	KD-60TA1-O
IDU Power Supply		V~, Hz, Ph	220-240/50&60/1	220-240/50&60/1	220-240/50&60/1	220-240/50&60/1
Capacity	Cooling	Btu/h	18000(5200-19100)	24000(7400-28000)	42000(9800-44300)	55000(16241-59710)
		KW	5.28 (1.53-5.60)	7.03(2.16-8.20)	12.10(2.90~13.00)	16.00(4.76-17.5)
	Heating	Btu/h	19100(4800-21200)	27000(6800-31700)	46000 (8800-47700)	58000(16308-63122)
		KW	5.60 (1.40-6.20)	7.91(1.98-9.30)	13.50(2.60~14.00)	17.00(4.78-18.50)
Electric Data	Rated Cooling Power Input	kW	1.55 (0.47-2.30)	2.17(0.67-3.30)	3.90(0.71~4.50)	5.60 (1.71-6.85)
	Rated Heating Power Input	kW	1.49 (0.46-2.25)	2.13(0.65-3.30)	3.50(0.47~4.20)	4.80 (1.71-7.00)
	Rated Cooling Current	A	6.73 (2.04-10.00)	9.43 (2.91-14.35)	18.00(3.20~20.00)	10.00 (1.50-12.00)
	Rated Heating Current	A	6.48 (2.00-9.78)	9.26 (2.83-14.35)	16.00(2.43~18.50)	8.00 (1.50-12.00)
Performance	EER/COP	W/W	3.40/3.76	3.24/3.71	3.10/3.86	2.86/3.54
	SEER/SCOP	W/W	6.1/4.0	6.1/4.0	/	/
Indoor Fan Motor	Model		FP120A-ZL	FP200B-ZL	FP300B-ZL	FP300B-ZL
	Brand		wolong	dayang	weiling	weiling
	Output Power x Fan quantity	W	120x1	200x1	300x1	300x1
	Capacitor	uF	/	/	/	/
	Speed (Hi/Mi/Lo)	r/min	1180/1050/930	1200/1065/960	1245/1170/1095	1425/1305/1200
Indoor Coil	a.Number Of Row		3	3	3	3
	b.Tube Pitch(a)x Row Pitch(b)	mm	20.5x12.7	20.5x12.7	20.5x12.7	20.5x12.7
	c.Fin Spacing	mm	1.5	1.5	1.5	1.5
	d.Fin Material		Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin	Hydrophilic aluminum fin
	e.Tube Outside Dia.and Material	mm	φ7, Inner grooved	φ7, Inner grooved	φ7, Inner grooved	φ7, Inner grooved
	f.Coil Length x Height x Width	mm	511*328*38.1	811*328*38.1	1211*328*38.1	1211*328*38.1
	g.Number of circuit	/	4	6	6	6
Indoor Unit	Indoor Air Flow (Hi/Mi/Lo)	m ³ /h	900/750/630	1400/1190/980	2040/1800/1600	2300/2000/1700
		CFM	530/441/370	824/700/576	1200/1059/941	1353/1176/1000
	Sound Pressure Noise Level (Hi/Mi/Lo)	dB(A)	44/41/37	43/41/39	44/42/41	52/47/45
	Sound Power Noise Level	dB(A)	/	55	55	64
	Net Dimension (W*H*D)	mm	700x700x245	1000x700x245	1400x700x245	1400x700x245
	Packing Dimension (W*H*D)	mm	930x830x300	1230x830x300	1630x830x300	1630x830x300
	Net Weight	Kg	22	32	38	38
	Gross Weight	Kg	26	38	44.5	44.5
Refrigerant Pipe	ESP	Pa	25(0~160)	25(0~160)	37(0~160)	50(0~160)
	Liquid Side	mm	6.35(1/4)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm	12.7(1/2)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm	R3/4in(DN25)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Outdoor Unit						
Power Supply		V~, Hz, Ph	220-240/50&60/1	220-240/50&60/1	220-240/50&60/1	380-415/50&60/3
Max. Input Consumption		W	2400	3650	5370	7000
Max. Current		A	12	16	25	12.0
DC Inverter Compressor	Model		KSN140D53UFZM3	KTM240D43UKUA2	KTM240D43UKP	KTF420D64UMVA
	Type		ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC
	Capacity	W	4345	7555	7640	13350
	Input	W	1100	2050	2065	3645
	Frequency range	Hz	10-120	12-120	12-120	12-120
	Rated Current(RLA)	A	6.75	9.35	9.3	6.8
	Refrigerant Oil	ml	420±15(VG74)	620 (VG74)	620 (VG74)	1000ml (VG74)
Air Flow Volume		CFM	1529	2471	2353	4235
		m ³ /h	2600	4200	4000	7200
Sound Pressure Noise Level		dB(A)	55	58	60	60
Sound Power Noise Level		dB(A)	65	68	70	70
Dimension(WxD×H)	Net	mm	785x300x555	900x350x700	970x395x805	940x370x1325
	Packing	mm	900x380x615	1020x430x770	1105x495x895	1080x430x1440
Weight	Net	kg	29	43	61	85
	Gross	kg	34	48	65.5	95
Refrigerant	Type		R32	R32	R32	R32
Type/Quantity	Charged Volume	kg	1.03	1.45	2.75	3.05
Design Pressure		MPa	4.2	4.2	4.2	4.2
Refrigerant Piping	Liquid Side	mm	6.35(1/4)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm	12.7(1/2)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in (DN20)	R3/4in (DN20)
	Max. Length	m	30	50	65	65
	Max. Height	m	20	25	30	30
Operation Temperature Range		°C	16~32	16~32	16~32	16~32
Ambient Temperature Range(Cooling/Heating)		°C	-15~52/-15~24	-15~52/-15~24	-15~52/-15~24	-15~52/-15~24
Specification of Wiring	Power Wiring (IDU)	mm ²	/	/	/	/
	Power Wiring (ODU)	mm ²	3*2.5	3*2.5	3*4.0	5*2.5
	Connection Wiring(IDU&ODU)	mm ²	3*1.5	3*1.5	3*1.5	3*1.5
	Signal Wiring(IDU&ODU)		1*1.5	1*1.5	/	/