

Side Discharge Light Commercial 50HZ Cooling Only ON/OFF

Cooling Only ON/OFF

TYPE \ Capacity (Btu/h)	18000	24000	30000	36000	48000	60000	
SDCU							
Floor ceiling							 Wireless (Standard)
Round flow Cassette							
Cassette							
Duct							 Wired (Standard)
High ESP duct							

Cooling Only, Outdoor unit, R410a ON/OFF



Features



World famous scroll compressor, quick reactivity and stable operation. Anti-attenuation design, better low-temperature heating performance.

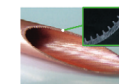
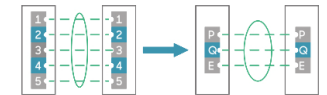


-15°C Low ambient kit for optional, operating temperature can be down to -15°C in cooling mode.

Multi-direction piping connection meets different requirement, convenient installation.



For 24~60K Btu/h, using RS485 communication, 2/3 core shield wire, easy and convenient to connect the wire.



Inner-grooved tube, enhance the heat exchanger efficiency. Multi protection like high pressure protection, high temperature protection, etc.

Standard **Panasonic**
Optional **HIGHLY**

For 36-60K Btu/h cooling only type, Panasonic compressor is standard, and Highly compressor is for optional.

Cooling Only, Indoor Unit, R410a ON/OFF



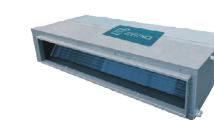
ZEU-18~60CFG



ZCRU-18~60CFG



ZCFU-18~60CFG



ZDU-18~60CFG

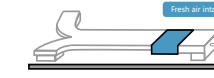


ZHDU-48~60CFG

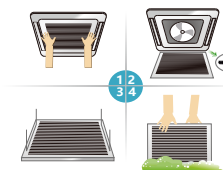
Features



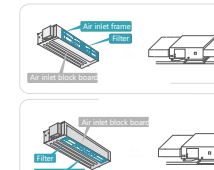
Ultra-thin body design, the min. Height is only 230mm save installation space



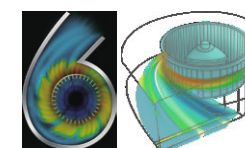
Install a duct to outside in the air return side, realize the fresh air intake and keep room air fresh.



Washable filter, convenient to install and maintain.



Air return method is optional by actual installation, from rear or from bottom.



Adopting aviation centrifugal fan blade with special air tunnel design, as well as fan motor anti-vibration measure, benefit to increase air flow and decrease the noise.



Auto-swing function, built-in two louver motor, vertical and horizontal air-flow adjustment.

Cooling only, R410a ON/OFF Outdoor unit(SDCU)

Model			ZSOU-18CFG	ZSOU-24CFG	ZSOU-36CFG	ZSOU-36CFG1	ZSOU-48CEG	ZSOU-60CEG
Outdoor power supply		V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	380~415/3/50	380~415/3/50
Cooling	Capacity	Btu/h	18000	24000	36000	36000	48000	60000
		KW	5.3	7.1	10.5	10.5	14	16
	Input	W	1900	2400	3710	3710	5000	5700
	Rated current	A	8.26	10.6	16.7	16.7	8.2	10
Max. input consumption		W	2500	2700	4800	4800	6000	6600
Max. current		A	12.6	13.2	21.2	21.2	10.5	11.8
Starting current		A	40	49	112	112	66	70
Compressor	Model		ASH232SV-C8LU	ASH264RV-C8DU1	C-SBN301H5D	C-SBN301H5D	C-SBN373H8D	C-SBN453H8D
	Type		ROTARY	ROTARY	SCROLL	SCROLL	SCROLL	SCROLL
	Capacity	Btu/h	18800	24000	36000	36000	48100	56000
	Input	W	1900	2200	3950	3950	4750	5750
	Rated current(RLA)	A	8.8	9.95	19.2	19.2	8.22	9.77
	Locked rotor Amp(LRA)	A	40	49	112	112	66	70
	Thermal protector		Internal	Internal	Internal	Internal	Internal	Internal
	Capacitor	μF	60	55	60	60	/	/
	Refrigerant oil	ml	600	600	1700	1700	1700	1700
Outdoor motor fan	Model		YDK-38-6B	YDK-60A-6F	YDK-200-6B	YDK-200-6B	YDK-60-6P3-2	YDK-60-6P3-2
	Input	W	80	150	450	450	170*2	170*2
	Capacitor	μF	2.5	4	10	10	4*2	4*2
	Speed	r/min	920	850	800	800	780	780
Outdoor coil	Number of rows		2	2	1	1	2	2
	Tube pitch(a)x row pitch(b)	mm	25×21.65	25×21.65	25×21.65	25×21.65	22×19.05	25×21.65
	Fin spacing	mm	1.7	1.8	1.4	1.4	1.6	1.6
	Fin type		Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic
	Tube outside dia. and type	mm	9.52	9.52	9.52	9.52	7.94	9.52
			inner grooved	inner grooved	inner grooved	inner grooved	inner grooved	inner grooved
	Number of circuits		4	5	3	3	7	7
Outdoor air flow(High speed)		m3/h	2800	3800	6000	6000	6100	6100
Outdoor noise level		dB(A)	53	58	65	65	60	60
Outdoor unit	Dimension(W*H*D)	mm	866×535×304	930×700×370	1070×995×400	1070×995×400	911×1335×400	911×1335×400
	Packing(W*H*D)	mm	920×585×335	990×770×410	1145×1120×475	1145×1120×475	964×1445×402	964×1445×402
	Net/Gross weight	kg	39/41	58/61	92/100	92/100	88/99	88/99
Refrigerant type/quantity		g	R410A/1250	R410A/1800	R410A/2100	R410A/2100	R410A/3600	R410A/3600
Throttle part			capillary	capillary	capillary	capillary	capillary	capillary
Design pressure		MPa	4.0/1.2	4.0/1.2	4.0/1.2	4.0/1.2	4.0/1.2	4.0/1.2
Max pressure		MPa	4.0	4.5	4.5	4.5	4.5	4.5
Connection wiring	Power Supply		From indoor unit	From outdoor unit	From outdoor unit	From outdoor unit	From outdoor unit	From outdoor unit
	Power wiring	mm2	3×1.5	3×2.5/3×1.0	3×4.0/3×1.0	3×4.0/3×1.0	5×2.5/3×1.0	5×2.5/3×1.0
	Signal wiring	mm2	5×1.5	5×1.0	5×1.0	5×1.0	5×1.0	5×1.0
Refrigerant piping	Liquid side/Gas side	mm	φ6.35/φ12.7	φ9.52/φ15.88	φ9.52/φ19.05	φ9.52/φ19.05	φ9.52/φ19.05	φ9.52/φ19.05
	Max. pipe length	m	20	20	20	20	20	20
	Max. high drop	m	10	10	10	10	10	10
Ambient temp		° C	18 ~ 43	18 ~ 43	18 ~ 43	18 ~ 43	18 ~ 43	18 ~ 43
Stuffing Quantity		20'/40'/40'HQ	100/200/208	70/140/144	40/80/80	40/80/80	32/64/64	32/64/64

Cooling only, R410a ON/OFF Indoor unit(Floor ceiling)

Model			ZEU-18CFG	ZEU-24CFG	ZEU-36CFG	ZEU-48CFG	ZEU-60CFG
Indoor power supply		V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50
Cooling	Capacity	Btu/h	18000	24000	36000	48000	60000
		KW	5.3	7.1	10.5	14	16
	Input	W	130	150	300	260	260
	Ratedcurrent	A	0.3	0.7	1.4	1.15	1.15
	EER	W/W	2.61	2.78	2.62	2.66	2.68
Max. input consumption		W	2500	200	400	300	300
Max. current		A	12.6	1.1	1.9	1.35	1.35
Indoor fan motor	Brand		changzhoukaihua/ yongan	kaihua/yongan	kaihua/yongan/ xinjun/weiling	kaihua/yongan/ xinjun/weiling	kaihua/yongan/ xinjun/weiling
	Model		YSK110-65LD-4P3H85	YSK110-75LD-4P2	YSK110-180LD-4P2	YSK110-59LD-4P17 +YSK110-59LD-4P17	YSK110-59LD-4P17 +YSK110-59LD-4P17
	Input	W	130	150	300	260	260
	Capacitor	μF	3	5	5	3+3	3+3
Indoor coil	Speed(Hi/Me/Lo)	r/min	1350/1270/1180	980/880/780	1310/1210/1110	1310/1139/1016	1310/1139/1016
	Number of rows		3	2	3	2	2
	Tube pitch(a) xrow pitch(b)	mm	25×21.65	25×21.65	25×21.65	25×21.65	25×21.65
	Fin spacing	mm	2	1.4	1.7	1.5	1.5
	Fin type		Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic
	Tube outside dia. and type	mm	inner grooved	inner grooved	inner grooved	inner grooved	inner grooved
	Number of circuits		3	5	5	5	5
	Indoor air flow(High speed)	m3/h	790	1300	1700	2300	2300
Indoor noise level		dB(A)	44 ~ 52	39 ~ 48	44 ~ 52	57~48	57~48
Indoor unit	Dimension(W*H*D)	mm	880×635×205	1245×680×247	1245×680×247	1670×680×247	1670×680×247
	Packing(W*H*D)	mm	970×725×301	1325×770×325	1325×770×325	1750×770×325	1750×770×325
	Net/Gross weight	kg	30/35	35/41	37/43	47/54	47/54
	Max pressure	MPa	4.0	4.0	4.0	4.5	4.5
Refrigerant type			R410A	R410A	R410A	R410A	R410A
Refrigerant piping Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainage pipe		mm	25	25	25	25	25
Standard controller			Standard for remote controller(wired controller for option)				
Operation temp		° C	16 ~ 32	16 ~ 32	16 ~ 32	16 ~ 32	16 ~ 32
Ambient temp		° C	18 ~ 43	18 ~ 43	18 ~ 43	18 ~ 43	18 ~ 43
Application area		m2	20-35	28-50	40-70	55~95	60~105
Stuffing Quantity(20'/40'/40'HQ)		set	132/270/306	75/165/189	75/165/189	60/120/123	60/120/123

Cooling only, R410a ON/OFF Indoor unit(Round flow Cassette)

Model			ZCRU-18CFG	ZCRU-24CFG	ZCRU-36CFG	ZCRU-48CFG	ZCRU-60CFG
Indoor power supply		V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50
Cooling	Capacity	Btu/h	18000	24000	36000	48000	60000
		KW	5.3	7.1	10.5	14	16
	Input	W	65	150	160	180	180
	Ratedcurrent	A	0.4	0.7	0.8	0.8	0.8
	EER	W/W	2.70	2.78	2.71	2.70	2.72
Max. input consumption		W	2500	200	200	200	200
Max. current		A	12.6	1.1	0.9	0.9	0.9
Indoor fan motor	Model		YDK-35Q-8P3	YDK-45Q-6P3-1	YDK-75T-6	YDK-75Q-6P3-1	YDK-75Q-6P3-1
	Input	W	65	120	160	180	180
	Capacitor	μF	2.5	3	4	5	5
	Speed(Hi/Me/Lo)	r/min	480/430/380	850/790/600	760/680/580	850/750/650	850/750/650
Indoor coil	Number of rows		2	2	2	2	3
	Tube pitch(a)xrow pitch(b)	mm	21×13.37	21×13.37	21×13.37	21×13.37	21×13.37
	Fin spacing	mm	1.45	1.45	1.45	1.45	1.6
	Fin type		Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic
	Tube outside dia. and type	mm	Φ7	Φ7	Φ7	Φ7	Φ7
			inner grooved	inner grooved	inner grooved	inner grooved	inner grooved
Number of circuits		4	8	12	12	6	
Indoor air flow(High speed)		m3/h	810/720/640	1200/1020/840	1700/1500/1300	1900/1650/1400	1900/1650/1400
Indoor noise level		dB(A)	38 ~ 45	44 ~ 48	44 ~ 48	45 ~ 52	45 ~ 52
Indoor unit	Dimension(W*H*D)	Body(mm)	840×230×840	840×230×840	840×285×840	840×285×840	840×285×840
		Panel(mm)	950×40×950	950×40×950	950×40×950	950×40×950	950×40×950
	Packing(W*H*D)	Body(mm)	920×265×920	920×265×920	920×310×920	920×310×920	920×310×920
		Panel(mm)	1030×100×1030	1030×100×1030	1030×100×1030	1030×100×1030	1030×100×1030
	Net/Gross weight	Body(Kg)	24/29	24/29	28/33.5	28/33.5	30.5/36
		Panel(Kg)	5.4/8.0	5.4/8.0	5.4/8.0	5.4/8.0	5.4/8.0
Max pressure		MPa	4.0	4.0	4.0	4.0	4.5
Refrigerant type			R410A	R410A	R410A	R410A	R410A
Refrigerant piping Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainage pipe		mm	25	25	25	25	25
Operation temp		° C	16 ~ 32	16 ~ 32	16 ~ 32	16 ~ 32	16 ~ 32
Ambient temp		° C	18 ~ 43	18 ~ 43	18 ~ 43	18 ~ 43	18 ~ 43
Application area		m2	20-35	28-50	40-70	55~95	60~105
Stuffing Quantity(20'/40'/40'HQ)		set	75/155/170	75/155/170	65/130/150	65/130/150	65/130/150

Cooling only, R410a ON/OFF Indoor unit(Cassette)							
Model			ZCFU-18CFG	ZCFU-24CFG	ZCFU-36CFG	ZCFU-48CFG	ZCFU-60CFG
Indoor power supply		V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50
Cooling	Capacity	Btu/h	18000	24000	36000	48000	60000
		KW	5.3	7.1	10.5	14	16
	Input	W	65	150	160	180	180
	Rated current	A	0.4	0.7	0.8	0.8	0.8
	EER	W/W	2.70	2.78	2.71	2.70	2.72
Max. input consumption		W	2500	200	200	200	200
Max. current		A	12.6	1.1	0.9	0.9	0.9
Indoor fan motor	Model		YDK-35Q-8P3	YDK-45Q-6P3	YDK-75T-6	YDK-75Q-6P3-1	YDK-75Q-6P3-1
	Input	W	65	120	160	180	180
	Capacitor	μF	2.5	3	4	5	5
	Speed(Hi/Me/Lo)	r/min	480/430/380	850/790/600	760/680/580	850/750/650	850/750/650
Indoor coil	Number of rows		2	2	2	2	3
	Tube pitch(a) xrow pitch(b)	mm	21×13.37	21×13.37	21×13.37	21×13.37	21×13.37
	Fin spacing	mm	1.45	1.45	1.45	1.45	1.6
	Fin type		Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic
	Tube outside dia and type	mm	Φ7	Φ7	Φ7	Φ7	Φ7
			inner grooved	inner grooved	inner grooved	inner grooved	inner grooved
	Number of circuits		4	8	12	12	6
	Indoor air flow(High speed)		m3/h	810	1200	1700	1900
Indoor noise level		dB(A)	38 ~ 45	44 ~ 48	44 ~ 48	45 ~ 52	45 ~ 52
Indoor unit	Dimension(W*H*D)	Body(mm)	840×230×840	840×230×840	840×285×840	840×285×840	840×285×840
		Panel(mm)	950×50×950	950×50×950	950×50×950	950×50×950	950×50×950
	Packing(W*H*D)	Body(mm)	920×265×920	920×265×920	920×310×920	920×310×920	920×310×920
		Panel(mm)	1030×105×1030	1030×105×1030	1030×105×1030	1030×105×1030	1030×105×1030
	Net/Gross weight	Body(Kg)	24/29	24/29	28/33.5	28/33.5	30.5/36
		Panel(Kg)	5.4/8.0	5.4/8.0	5.4/8.0	5.4/8.0	5.4/8.0
Max pressure		MPa	4.0	4.0	4.0	4.0	4.5
Refrigerant type			R410A	R410A	R410A	R410A	R410A
Refrigerant piping Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainage pipe		mm	25	25	25	25	25
Operation temp		° C	16 ~ 32	16 ~ 32	16 ~ 32	16 ~ 32	16 ~ 32
Ambient temp		° C	18 ~ 43	18 ~ 43	18 ~ 43	18 ~ 43	18 ~ 43
Application area		m2	20-35	28-50	40-70	55~95	60~105
Stuffing Quantity(20'/40'/40'HQ)		set	75/155/170	75/155/170	65/130/150	65/130/150	65/130/150

Cooling only, R410a ON/OFF Indoor unit(Duct)							
Model			ZDU-18CFG	ZDU-24CFG	ZDU-36CFG	ZDU-48CFG	ZDU-60CFG
Indoor power supply		V/Ph/Hz	220~240V/1Ph/50Hz	220~240V/1Ph/50Hz	220~240V/1Ph/50Hz	220~240V/1Ph/50Hz	220~240V/1Ph/50Hz
Cooling	Capacity	Btu/h	18000	24000	36000	48000	60000
		KW	5.3	7.1	10.5	14	16
	Input	W	70	150	300	340	340
	Rated current	A	0.4	0.7	1.4	1.6	1.6
	EER	W/W	x2.69	2.78	2.62	2.56	2.65
Max. input consumption		W	2500	200	400	380	380
Max. current		A	12.6	1.1	1.9	1.8	1.8
Indoor fan motor	Model		YSK100-55F-4P3	YSK100-68F-4P3	YDK110-75F-4P3H105L-1 +YSK120-150F-4P3H105-1	YDK110-75F-4P3H105L +YSK120-150F-4P3H105	YDK110-75F-4P3H105L +YSK120-150F-4P3H105
	Input	W	70	150	300	340	340
	Capacitor	μF	3	3.5	3+5	3+5	3+5
	Speed(Hi/Me/Lo)	r/min	1320/1040/840/720	1360/1260/1040/920	1310/1170/1090/1040 +1300/1200/1110/1060	1340/1270/1200/1130 +1340/1240/1140/1040	1340/1270/1200/1130 +1340/1240/1140/1040
Indoor coil	Number of rows		2	3	3	3	3
	Tube pitch(a)xrow pitch(b)	mm	21×12.7	21×12.7	22×19.05	25×21.65	25×21.65
	Fin spacing	mm	1.4	1.6	1.7	1.8	1.8
	Fin type		Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic
	Tube outside dia. and type	mm	Φ7	Φ7	Φ7.94	Φ9.52	Φ9.52
			inner grooved	inner grooved	inner grooved	inner grooved	inner grooved
Number of circuits			4	5	6	5	5
Indoor air flow(High speed)		m3/h	730	1150	1900	2000	2000
Static Pressure		Pa	0 ~ 20	0 ~ 20	30	30	30
Indoor noise level		dB(A)	37 ~ 46	38 ~ 48	40 ~ 50	40 ~ 50	40 ~ 50
Indoor unit	Dimension(W*H*D)	Body(mm)	1015×210×467	1215×210×467	1425×260×643	1425×260×643	1425×260×643
	Packing(W*H*D)	Body(mm)	1110×240×510	1310×240×510	1490×325×720	1490×325×720	1490×325×720
	Net/Gross weight	Body(Kg)	21/25	27/30.5	44/48	46/50	46/50
Max pressure		MPa	4.0	4.0	4.0	4.5	4.5
Refrigerant type			R410A	R410A	R410A	R410A	R410A
Refrigerant piping	Liquid side/Gas side	mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainage pipe		mm	25	25	25	25	25
Controller			Standard for wired controller(remote controller for option)				
Operation temp		° C	16 ~ 32	16 ~ 32	16 ~ 32	16 ~ 32	16 ~ 32
Ambient temp		° C	18 ~ 43	18 ~ 43	18 ~ 43	18 ~ 43	18 ~ 43
Application area		m2	20-35	28~50	40-70	55~95	60~105
Stuffing Quantity(20'/40'/40'HQ)		set	115/250/320	90/190/255	75/165/168	75/165/168	75/165/168

Cooling only, R410a ON/OFF Indoor unit(Duct)				
Indoor unit			ZHDU-48CFG	ZHDU-60CFG
Power supply		V/N/Hz	220-240/1/50	220-240/1/50
Cooling	Capacity	Btu/h	48000	60000
		TR	4	5
	EER	W/W	2.55	2.58
Indoor air flow(Hi/Med/Lo)		m 3 /h	2300/1900/1500	2300/1900/1500
Static pressure		Pa	120	120
Indoor noise level(Hi/Med/Lo)		dB(A)	52/48/44	52/48/44
Dimension(WxHxD)		mm	1175x370x625	
Packing dimension(WxHxD)		mm	1245x445x655	
Net/Gross weight		kg	45/49	45/49
Liquid side/Gas side		mm	Φ 9.52/ Φ 19.05	
Drainage pipe		mm	DN25	
Application area		m 2	55-95	60-105

Side Discharge Light Commercial 50HZ Heat Pump ON/OFF

Heat Pump ON/OFF

Capacity TYPE \ (Btu/h)	12000	18000	24000	36000	48000	60000	
SDCU							
Floor ceiling							 Wireless (Standard)
Round flow Cassette							
Cassette							
Duct							 Wired (Standard)
High ESP duct							

Heat Pump , Outdoor unit, R410a ON/OFF



Features



World famous scroll compressor, quick reactivity and stable operation. Anti-attenuation design, better low-temperature heating performance.

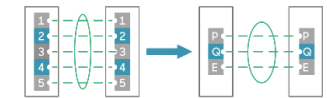


-15°C Low ambient kit for optional, operating temperature can be down to -15°C in cooling mode.

Multi-direction piping connection meets different requirement, convenient installation.



For 24~60K Btu/h, using RS485 communication, 2/3 core shield wire, easy and convenient to connect the wire.



Inner-grooved tube, enhance the heat exchanger efficiency. Multi protection like high pressure protection, high temperature protection, etc.

Standard **Panasonic**
Optional **HIGHLY**

For 36-60K Btu/h cooling only type, Panasonic compressor is standard, and Highly compressor is for optional.

Heat Pump , Indoor unit, R410a ON/OFF



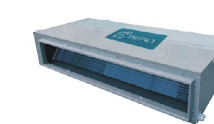
ZEU-18~60CFG



ZCRU-18~60CFG



ZCFU-12~60CFG



ZDU-12~60CFG

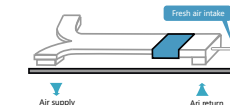


ZHDU-48~60CFG

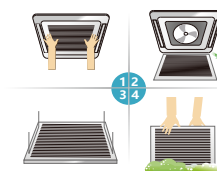
Features



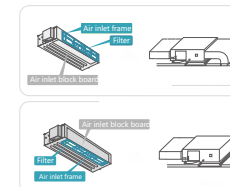
Ultra-thin body design, the min. Height is only 230mm save installation space



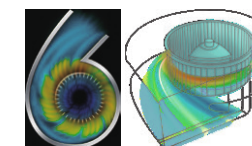
Install a duct to outside in the air return side, realize the fresh air intake and keep room air fresh.



Washable filter, convenient to install and maintain.



Air return method is optional by actual installation, from rear or from bottom.



Adopting aviation centrifugal fan blade with special air tunnel design, as well as fan motor anti-vibration measure, benefit to increase air flow and decrease the noise.



Auto-swing function, built-in two louver motor, vertical and horizontal air-flow adjustment.

Heat Pump , R410a ON/OFF Outdoor unit(SDCU)

Model			ZSOU-12HFG	ZSOU-18HFG	ZSOU-24HFG	ZSOU-36HFG	ZSOU-48HEG	ZSOU-60HEG
Ou ddoor power supply		V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	380~415/3/50	380~415/3/50
Cooling	Capacity	Btu/h	12000	18000	24000	36000	48000	60000
		KW	3.5	5.3	7.1	10.5	14	16
	Input	W	1240	1900	2400	3800	5000	5700
	Rated current	A	5.4	8.26	10.6	6.9	8.2	10
Heating	Capacity	Btu/h	13200	20000	26000	39000	52000	60000
		KW	3.9	5.9	7.7	11.5	15.2	16
	Input	W	1270	1690	2100	3600	5100	5800
	Rated current	A	5.5	7.35	9.2	6.5	8.4	10.2
Max. input consumption		W	1620	2500	2700	4900	6000	6600
Max. current		A	8.3	12.6	13.2	10.3	10.5	11.8
Starting current		A	35	40	61	42	72	85
Compressor	Model		QXA-C145E030	QXA-E22H050	QXAS-F286N050	QXAS-F41SN050	QXAS-H59SN345B	QXAS-H64SN330
	Type		ROTARY	ROTARY	ROTARY	rotary	rotary	rotary
	Capacity	Btu/h	12113	18544	23952	35144	51860	58300
	Input	W	1240	1760	2380	3370	4900	5450
	Rated current(RLA)	A	6	8.1	11.15	6.45	9	10.6
	Locked rotor Amp(LRA)	A	35	48	61	42	72	85
	Thermal protector		Internal	Internal	Internal	Internal	Internal	Internal
	Capacitor	μF	35	60	50	/	/	/
	Refrigerant oil	ml	400	600	820	900	1700	1700
Outdoor motor fan	Model		YDK-38-6B	YDK-60A-6F	YDK-200-6B	YDK-200-6B	YDK-60-6P3-2	YDK-60-6P3-2
	Input	W	80	150	450	450	170*2	170*2
	Capacitor	μF	2.5	4	10	10	4*2	4*2
	Speed	r/min	920	850	800	800	780	780
Outdoor coil	Number of rows		1	2	2	1	2	2
	Tube pitch(a)xrow pitch(b)	mm	25x22	21x13.37	21x13.37	25×21.65	25x21.65	25×21.65
	Fin spacing	mm	1.6	1.6	1.5	1.4	1.6	1.6
	Fin type		Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic
	Tube outside dia. and type	mm	7	7	7	9.52	9.52	9.52
			inner grooved	inner grooved	inner grooved	inner grooved	inner grooved	inner grooved
	Coil length×height ×width	mm	715×500×22	785×483×26.74	795×650×26.74	883.5×950×21.65	810x1275x21.65	810x1275x43.3
	Number of circuits		2	4	4	3	6	7
Outdoor air flow(High speed)		m3/h	2000	2800	3800	6000	6100	6100
Outdoor noise level		dB(A)	53	53	58	65	60	60
Outdoor unit	Dimension(W*H*D)	mm	866×535×304	866×535×304	930×700×370	1070×995×400	911×1335×400	911×1335×400
	Packing(W*H*D)	mm	920×585×335	920×585×335	990×770×410	1145×1120×475	964×1445×402	964×1445×402
	Net/Gross weight	kg	34/36	41/43	57/60	78/90	86/96	101/111
Refrigerant type/quantity		g	R410A/1000	R410A/1200	R410A/1500	R410A/2200	R410A/3600	R410A/4000
Throttle part			capillary	capillary	capillary	capillary	capillary	capillary
Design pressure		MPa	4.0/1.2	4.0/1.2	4.0/1.2	4.0/1.2	4.0/1.2	4.0/1.2
Max pressure		MPa	4	4	4.5	4.5	4.5	4.5
Connection wiring	Outdoor Power Supply		From indoor unit	From indoor unit	Seperated			
	Power wiring	mm2	3×1.5	3×2.5	3×2.5/3×1.0	5×1.5/3×1.0	5×1.5/3×1.0	5×2.5/3×1.0
	Signal wiring	mm2	5×1.5	5×1.5	3x0.75			
Refrigerant piping	Liquid side/Gas side	mm	φ6.35/φ12.7	φ6.35/φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
	Max. pipe length	m	25	25	25	30	50	50
	Max. high drop	m	15	15	15	20	30	30
Ambient temp	cooling	° C	18-50	18-50	18-50	18-50	18-50	18-50
	heating	° C	-7 ~ 24	-7 ~ 24	-7 ~ 24	-7 ~ 24	-7 ~ 24	-7 ~ 24
Stuffing Quantity		20'/40'/40'HQ	100/200/208	100/200/208	70/140/144	40/80/80	32/64/64	32/64/64

Heat Pump , R410a ON/OFF Indoor unit(Floor ceiling)

Model			ZEU-18CFG	ZEU-24CFG	ZEU-36CFG	ZEU-48CFG	ZEU-60CFG
Indoor power supply		V/Ph/Hz	220~240V/1Ph/50Hz	220~240V/1Ph/50Hz	220~240V/1Ph/50Hz	220~240V/1Ph/50Hz	220~240V/1Ph/50Hz
Cooling	Capacity	Btu/h	18000	24000	36000	48000	60000
		KW	5.3	7.1	10.5	14	16
	Input	W	130	150	300	260	260
	Ratedcurrent	A	0.3	0.7	1.4	1.15	1.15
Heating	EER	W/W	2.61	2.78	2.62	2.66	2.68
	Capacity	Btu/h	19800	26000	39000	52000	60000
		KW	5.9	7.7	11.5	15.2	16.0
	Input	W	130	150	300	260	260
Indoor fan motor	Rated current	A	0.3	0.68	1.4	1.15	1.15
	COP	W/W	3.24	3.42	3.19	2.84	2.64
	Model		YSK110-65LD-4P3H85	YSK110-75LD-4P2	YSK110-180LD-4P2	YSK110-59LD-4P17 +YSK110-59LD-4P17	YSK110-59LD-4P17 +YSK110-59LD-4P17
	Input	W	130	150	300	260	260
Indoor coil	Capacitor	μF	3	5	5	3+3	3+3
	Speed(Hi/Me/Lo)	r/min	1350/1270/1180	980/880/780	1310/1210/1110	1310/1139/1016	1310/1139/1016
	Number of rows		3	2	3	2	2
	Tube pitch(a)xrow pitch(b)	mm	25×21.65	25×21.65	25×21.65	25×21.65	25×21.65
	Fin spacing	mm	2	1.4	1.7	1.5	1.5
	Fin type		Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic
	Tube outside dia. and type	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
			inner grooved	inner grooved	inner grooved	inner grooved	inner grooved
	Coil length x height x width	mm	610x255x64.95	982×250×43.3	982×250×64.95	1360×250×43.3	1360×250×43.3
Number of circuits			3	5	5	5	5
Indoor air flow(High speed)		m3/h	790	1300	1700	2300	2300
Indoor noise level		dB(A)	44 ~ 52	39 ~ 48	44 ~ 52	48~57	48~57
Indoor unit	Dimension(W*H*D)	mm	880×635×203	1245×680×247	1245×680×247	1670×680×247	1670×680×247
	Packing(W*H*D)	mm	970×725×325	1325×770×325	1325×770×325	1750×770×325	1750×770×325
	Net/Gross weight	kg	30/35	35/41	37/43	47/54	47/54
Max pressure		MPa	4.0	4.0	4.0	4.5	4.5
Refrigerant type			R410A	R410A	R410A	R410A	R410A
Refrigerant piping Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainage pipe		mm	DN25	DN25	DN25	DN25	DN25
Standard controller			Standard for remote controller(wired controller for option)				
Operation temp		° C	16 ~ 32	16 ~ 32	16 ~ 32	16 ~ 32	16 ~ 32
Ambient temp	cooling	° C	18-50	18-50	18-50	18-50	18-50
	heating	° C	-7 ~ 24	-7 ~ 24	-7 ~ 24	-7 ~ 24	-7 ~ 24
Application area		m2	20-35	28-50	40-70	55~95	60~105
Stuffing Quantity(20'/40'/40'HQ)		set	132/270/306	75/165/189	75/165/189	60/120/123	60/120/123

Heat Pump , R410a ON/OFF Indoor unit(Round flow Cassette)

Model			ZCRU-18HFG	ZCRU-24HFG	ZCRU-36HFG	ZCRU-48HFG	ZCRU-60HFG
Indoor power supply		V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50
Cooling	Capacity	Btu/h	18000	24000	36000	48000	60000
		KW	5.3	7.1	10.5	14	16
	Input	W	65	150	160	180	180
	Rated current	A	0.4	0.7	0.8	0.8	0.8
	EER	W/W	2.70	2.78	2.71	2.7	2.72
Heating	Capacity	Btu/h	20000	26000	39000	52000	60000
		KW	5.9	7.7	11.5	15.2	16.0
	Input	W	65	150	160	180	180
	Rated current	A	0.4	0.7	0.8	0.8	0.8
	COP	W/W	3.31	3.42	3.31	2.88	2.68
Indoor fan motor	Model		YDK-35Q-8P3	YDK-45Q-6P3	YDK-75T-6	YDK-75Q-6P3-1	YDK-75Q-6P3-1
	Input	W	65	150	160	180	180
	Capacitor	μF	2.5	3	4	5	5
	Speed(Hi/Me/Lo)	r/min	480/430/380	850/790/600	760/680/580	850/750/650	850/750/650
Indoor coil	Number of rows		2	2	2	2	3
	Tube pitch(a)xrow pitch(b)	mm	21×13.37	21×13.37	21×13.37	21×13.37	21×13.37
	Fin spacing	mm	1.45	1.45	1.45	1.45	1.6
	Fin type		Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic Aluminum
	Tube outside dia. and type	mm	Φ7	Φ7	Φ7	Φ7	Φ7
			inner grooved	inner grooved	inner grooved	inner grooved	Inner grooved
	Coil length x height x width	mm	2000×168×26.74	2000×168×26.74	2000×252×26.74	2000×252×26.74	2000×252×40.11
	Number of circuits		4	8	12	12	6
Indoor air flow(High speed)		m3/h	810	1200	1700	1900	1900
Indoor noise level		dB(A)	38 ~ 45	44 ~ 48	44 ~ 48	45 ~ 52	45 ~ 52
Indoor unit	Dimension(W*H*D)	Body(mm)	840×230×840	840×230×840	840×285×840	840×285×840	840×285×840
		Panel(mm)	950×40×950	950×40×950	950×40×950	950×40×950	950×40×950
	Packing(W*H*D)	Body(mm)	920×265×920	920×265×920	920×310×920	920×310×920	920×310×920
		Panel(mm)	1030×100×1030	1030×100×1030	1030×100×1030	1030×100×1030	1030×100×1030
	Net/Gross weight	Body(Kg)	24/29	24/29	28/33.5	28/33.5	30.5/36
		Panel(Kg)	5.4/8.0	5.4/8.0	5.4/8.0	5.4/8.0	5.4/8.0
Max pressure		MPa	4.0	4.0	4.0	4.5	4.5
Refrigerant type			R410A	R410A	R410A	R410A	R410A
Refrigerant piping Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainage pipe		mm	DN25	DN25	DN25	DN25	DN25
Standard controller			remote controller				
Operation temp		° C	16 ~ 32	16 ~ 32	16 ~ 32	16 ~ 32	16 ~ 32
Ambient temp	cooling	° C	18-50	18-50	18-50	18-50	18-50
	heating	° C	-7 ~ 24	-7 ~ 24	-7 ~ 24	-7 ~ 24	-7 ~ 24
Application area		m2	20-35	28-50	40-70	55~95	60~105
Stuffing Quantity(20'/40'/40'HQ)		set	75/155/170	75/155/170	65/130/150	65/130/150	65/130/150

Heat Pump , R410a ON/OFF Indoor unit(Cassette)

Model			ZCFU-12HFG	ZCFU-18HFG	ZCFU-24HFG	ZCFU-36HFG	ZCFU-48HFG	ZCFU-60HFG
Indoor power supply		V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50
Cooling	Capacity	Btu/h	12000	18000	24000	36000	48000	60000
		KW	3.5	5.3	7.1	10.5	14	16
	Input	W	60	65	150	160	180	180
	Rated current	A	0.4	0.4	0.7	0.8	0.8	0.8
	EER	W/W	2.69	2.70	2.78	2.71	2.7	2.72
Heating	Capacity	Btu/h	13000	20000	26000	39000	52000	60000
		KW	3.8	5.9	7.7	11.5	15.2	16.0
	Input	W	60	65	150	160	180	180
	Rated current	A	0.4	0.4	0.7	0.8	0.8	0.8
	COP	W/W	2.86	3.31	3.42	3.31	2.88	2.68
Indoor fan motor	Model		YDK-16Q-6P3	YDK-35Q-8P3	YDK-45Q-6P3	YDK-75T-6	YDK-75Q-6P3-1	YDK-75Q-6P3-1
	Input	W	60	65	150	160	180	180
	Capacitor	μF	2.5	2.5	3	4	5	5
	Speed(Hi/Me/Lo)	r/min	640/540/440	480/430/380	850/790/600	760/680/580	850/750/650	850/750/650
Indoor coil	Number of rows		2	2	2	2	2	3
	Tube pitch(a)xrow pitch(b)	mm	21×12.7	21×13.37	21×13.37	21×13.37	21×13.37	21×13.37
	Fin spacing	mm	1.4	1.45	1.45	1.45	1.45	1.6
	Fin type		Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic Aluminum
	Tube outside dia. and type	mm	Φ7	Φ7	Φ7	Φ7	Φ7	Φ7
			inner grooved	inner grooved	inner grooved	inner grooved	inner grooved	Inner grooved
	Coil length x height x width	mm	1137×210×25.4	2000×168×26.74	2000×168×26.74	2000×252×26.74	2000×252×26.74	2000×252×40.11
	Number of circuits		4	4	8	12	12	6
Indoor air flow(High speed)		m3/h	590	810	1200	1700	1900	1900
Indoor noise level		dB(A)	40 ~ 45	38 ~ 45	44 ~ 48	44 ~ 48	45 ~ 52	45 ~ 52
Indoor unit	Dimension(W*H*D)	Body(mm)	580×275×580	840×230×840	840×230×840	840×285×840	840×285×840	840×285×840
		Panel(mm)	650×30×650	950×50×950	950×50×950	950×50×950	950×50×950	950×50×950
	Packing(W*H*D)	Body(mm)	745×375×675	920×265×920	920×265×920	920×310×920	920×310×920	920×310×920
		Panel(mm)	750×95×750	1030×105×1030	1030×105×1030	1030×105×1030	1030×105×1030	1030×105×1030
	Net/Gross weight	Body(Kg)	16/21.5	24/29	24/29	28/33.5	28/33.5	30.5/36
		Panel(Kg)	2.7/4.0	5.4/8.0	5.4/8.0	5.4/8.0	5.4/8.0	5.4/8.0
Max pressure		MPa	4.0	4.0	4.0	4.0	4.5	4.5
Refrigerant type			R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant piping Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainage pipe		mm	DN25	DN25	DN25	DN25	DN25	DN25
Operation temp		° C	16 ~ 32	16 ~ 32	16 ~ 32	16 ~ 32	16 ~ 32	16 ~ 32
Ambient temp	cooling	° C	18-50	18-50	18-50	18-50	18-50	18-50
	heating	° C	-7 ~ 24	-7 ~ 24	-7 ~ 24	-7 ~ 24	-7 ~ 24	-7 ~ 24
Application area		m2	15~25	20-35	28-50	40-70	55~95	60~105
Stuffing Quantity(20'/40'/40'HQ)		set	120/240/270	75/155/170	75/155/170	65/130/150	65/130/150	65/130/150

Heat Pump , R410a ON/OFF Indoor unit(Duct)

Model			ZDU-12HFG	ZDU-18HFG	ZDU-24HFG	ZDU-36HFG	ZDU-48HFG	ZDU-60HFG
Indoor power supply		V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50
Cooling	Capacity	Btu/h	12000	18000	24000	36000	48000	60000
		KW	5.3	5.3	7.1	10.5	14	16
	Input	W	60	250	250	300	340	340
	Rated current	A	0.4	1.1	1.1	1.4	1.6	1.6
	EER	W/W	2.69	2.47	2.68	2.62	2.56	2.65
Heating	Capacity	Btu/h	13000	19800	26000	39000	52000	60000
		KW	3.8	5.9	7.7	11.5	15.2	16
	Input	W	60	250	250	300	340	340
	Rated current	A	0.4	1.1	1.1	1.4	1.6	1.6
	COP	W/W	2.86	3.04	3.28	3.18	2.79	2.61
Indoor fan motor	Model		YSK100-27F-4P3	Y S K 1 1 0 - 9 0 F - 4P3H105	YSK110-90F-4P3H105	YDK110-75F-4P3H105L-1 +YSK120-150F-4P3H105-1	YDK110-75F-4P3H105L + YSK120-150F-4P3H105	YDK110-75F-4P3H105L + YSK120-150F-4P3H105
	Input	W	60	250	250	300	340	340
	Capacitor	μF	2	5	5	3+5	3+5	3+5
	Speed(Hi/Me/Lo)	r/min	1250/950/680/580	1100/940/850/800	1100/940/850/800	1310/1170/1090/1040 +1300/1200/1110/1060	1340/1270/1200/1130 +1340/1240/1140/1040	1340/1270/1200/1130 +1340/1240/1140/1040
Indoor coil	Number of rows		2	2	3	3	3	3
	Tube pitch(a)xrow pitch(b)	mm	21×12.7	22×19.05	22×19.05	22×19.05	25×21.65	25×21.65
	Fin spacing	mm	1.4	1.7	1.7	1.7	1.8	1.8
	Fin type		Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic
	Tube outside dia. and type	mm	Φ7	Φ7.94	Φ7.94	Φ7.94	Φ9.52	Φ9.52
			inner grooved	inner grooved	inner grooved	inner grooved	inner grooved	inner grooved
	Coil length x height x width	mm	515×146×27	900×240×57.15	900×240×57.15	1136×240×57.15	1136×250×64.95	1136×250×64.95
	Number of circuits		4	6	6	6	5	5
	Indoor air flow(High speed)		m3/h	650	900	1200	1900	2000
Static Pressure		Pa	0-30	30-70	30-70	30-70	30-70	30-70
Indoor noise level		dB(A)	37 ~ 46	40 ~ 48	40 ~ 48	40 ~ 50	40 ~ 50	40 ~ 50
Indoor unit	Dimension(W*H*D)	Body(mm)	815×210×467	1189×260×643	1189×260×643	1425×260×643	1425×260×643	1425×260×643
	Packing(W*H*D)	Body(mm)	910×240×510	1255×325×720	1255×325×720	1490×325×720	1490×325×720	1490×325×720
	Net/Gross weight	Body(Kg)	17.5/20.5	33/36	33/37	44/48	44/48	44/48
Max pressure		MPa	4.0	4.0	4.0	4.0	4.5	4.5
Refrigerant type			R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant piping Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainage pipe		mm	DN25	DN25	DN25	DN25	DN25	DN25
Controller			Standard for wired controller(remote controller for option)					
Operation temp		° C	16 ~ 32	16 ~ 32	16 ~ 32	16 ~ 32	16 ~ 32	16 ~ 32
Ambient temp	cooling	° C	18-50	18-50	18-50	18-50	18-50	18-50
	heating	° C	-7 ~ 24	-7 ~ 24	-7 ~ 24	-7 ~ 24	-7 ~ 24	-7 ~ 24
Application area		m2	15~25	20-35	28-50	40-70	55~95	60~105

Heat Pump , R410a ON/OFF Indoor unit(High ESP Duct)

Indoor unit			ZHDU-48CFG	ZHDU-60CFG
Power supply		V/N/Hz	220-240/1/50	220-240/1/50
Cooling	Capacity	Btu/h	48000	60000
		TR	4	5
	EER	W/W	2.55	2.58
Heating	Capacity	Btu/h	52500	60000
		TR	4.4	5
	COP	W/W	2.71	2.54
Indoor air flow(Hi/Med/Lo)		m 3 /h	2300/1900/1500	2300/1900/1500
Static pressure		Pa	120	120
Indoor noise level(Hi/Med/Lo)		dB(A)	52/48/44	52/48/44
Dimension(WxHxD)		mm	1175x370x625	
Packing dimension(WxHxD)		mm	1245x445x655	
Net/Gross weight		kg	45/49	45/49
Liquid side/Gas side		mm	Φ 9.52/ Φ 19.05	
Drainage pipe		mm	DN25	
Application area		m 2	55-95	60-105
Stuffing quantity (Set)		40' HQ	57	57

Side Discharge Light Commercial 50HZ Large Duct&Floor standing ON/OFF

Large Duct&Floor standing 53k-190k Cooling&heating(cooling only,optional)

Capacity (Btu/h)	53000	70000	96000	150000	190000	
TYPE						
Floor standing						 Wireless (Standard) Wired (Optional)
Duct						 Wired (Standard)

Floor Standing & Duct Unit



53K/70K Btu/h



96K Btu/h



150K/190K Btu/h

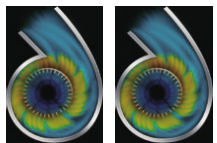
Features



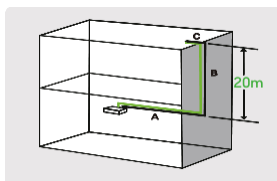
Strong wind for horizontal air flow, supplying long distance, providing a stable and comfortable environment.



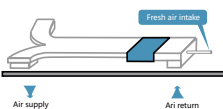
Slim body, convenient to install and maintain.



Centrifugal fan blade, double CFD technology design, increasing air flow and decreasing noise level.



Max. refrigerant pipe length is 50m, Max. Difference in height is 20m.



Install a duct to outside in the air return side, taking fresh air, more healthy and comfortable



120Pa ESP is standard, it is suitable for long distance air supply and flexible air duct installation. Specially for different irregular size room.(Can be customized to 150Pa ESP)

FloorStanding R410a ON/OFF

Model		ZOU-53HFG	ZOU-53CFG	ZOU-70HFG	ZOU-70CFG	ZOU-96HFG	ZOU-96CFG
Indoor Code		821038000011	821038100013	821038100010	821038100014	821038300026	821038300028 821038300030
Power supply	V-N-Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50
cooling	Capacity	Btu/h	53000	53000	70000	70000	96000
	Input	W	300	300	350	350	740
	Rated current	A	1.3	1.3	1.5	1.5	3.5
	EER	W/W	3.04	3.04	2.95	2.95	2.77
heating	Capacity	Btu/h	61000		77000		105000
	Input	W	300		350		740
	Rated current	A	1.3		1.5		3.5
	COP	W/W	3.43		3.25		3.16
Indoor fan motor	Model		YSK139-200F-6P3	YSK139-200F-6P3	YSK139-200F-6P3	YSK139-200F-6P3	2 xYDK-155-8P3
	Output	W	200(output)	200(output)	200(output)	200(output)	2×155
	Capacitor	μF	10	10	10	10	10+10
	Speed(hi/mi/lo)	r/min	850/770/690/610	850/770/690/610	850/770/690/610	850/770/690/610	600/550/450
Indoor coil	Number of rows		2	2	3	3	2
	Tube pitch(a) x row pitch(b)	mm	21x13.37	21x13.37	25x21.65	25x21.65	25x21.65
	Fin spacing	mm	1.5	1.5	1.5	1.5	1.5
	Fin type		Hydrophilic Aluminum	Hydrophilic Aluminum	Hydrophilic Aluminum	Hydrophilic Aluminum	Hydrophilic Aluminum
	Tube outside dia.and type	mm	Φ7	Φ7	Φ9.52	Φ9.52	Φ9.52
			Inner grooved	Inner grooved	Inner grooved	Inner grooved	Inner grooved
	Coil length x height x width	mm	756x610x26.74	756x610x26.74	750x610x66	750x610x66	980×800×86.6
	Number of circuits		7	7	7	7	4+4
Indoor air flow (Hi/Mi/Lo)	m3/h	2200/1950/1700	2200/1950/1700	2500/1950/1700	2500/1950/1700	4000/3600/3200	4000/3600/3200
Static Pressure	Pa					0	0
Indoor noise level(Hi/Mi/Lo)	dB(A)	48/44/40	48/44/40	52/44/40	52/44/40	55/50/45	55/50/45
Indoor unit	Dimension (W*H*D)	Body(mm)			742×450×1802	742×450×1802	1200x1850x380
	Packing (W*H*D)	Body(mm)	772x540x1927	772x540x1927	772x540x1927	772x540x1927	1260x1970x400
	Net/Gross weight	Body (Kg)			96/98	96/98	130/145
Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant piping Liquid side/ Gas side	mm	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05	2* (Φ9.52/Φ19.05)	2* (Φ9.52/Φ19.05)
Controller		Remote controller	Remote controller	Remote controller	Remote controller	Remote controller	Remote controller
Operation temp	° C	16~32	16~32	16~32	16~32	16~32	16~32
Ambient temp	° C	-7~50	-7~50	-7~50	-7~50	-7~50	-7~50
Application area	m2	55-95	55-95	100-133	100-133	140-187	140-187

FloorStanding R410a ON/OFF Outdoor Unit								
Model			ZOU-53HEG	ZOU-53CEG	ZOU-70HEG	ZOU-70CEG	ZOU-96HEG	ZOU-96CEG
Outdoor Code			821038000011	821038000013	821038000010	821038000012	821038200018	821035400007
Power supply		V-N-Hz	380 ~ 415V/3N/50Hz	380 ~ 415V/3N/50Hz	380 ~ 415V/3N/50Hz	380 ~ 415V/3N/50Hz	380 ~ 415V/3N/50Hz	380 ~ 415V/3N/50Hz
cooling	Capacity	Btu/h	53000	53000	70000	70000	96000	96000
	Input	W	4800	4800	6600	6600	9400	9960
	Rated current	A	7.8	7.8	12	12	16	14.8
heating	Capacity	Btu/h	61000		76000		105000	105000
	Input	W	4900		6500		9400	9260
	Rated current	A	7.2		11		16	13.8
Max. input consumption		W	6150	6150	8500	8500	13000	13700
Max. current		A	11.2	11.2	17	17	24.3	22.5
Starting current		A	67	67	65	65	66	62
Compressor	Model		ATE550SC3Q9RK	ATE550SC3Q9RK	ATE650SC3Q9JK	ATE650SC3Q9JK	C-SB373H8D	E604DH-59D2G
	Type		rotary	rotary	rotary	rotary	Scroll	Scroll
	Capacity	W/(Btu/h)	13950	13950	16350	16350	14100/48109	15390/52480
	Input	W	4650	4650	5450	5450	4750	5130
	Rated current(RLA)	A	7.8	7.8	9.2	9.2	8.22	8.8
	Locked rotor Amp(LRA)	A	67	67	65	65	66	62
	Thermal protector		Internal	Internal	Internal	Internal	Internal	Internal
	Capacitor	μF	/	/	/	/	/	/
	Refrigerant oil	ml	1600	1600	1850	1850	1700	1300
Outdoor motor fan	Model		2*YDK-60-6P3-2	2*YDK-60-6P3-2	2*YDK-60-6P3-2	2*YDK-60-6P3-2	YDK-450-6P3	2*YDK-165-6P3-1
	Output	W	2*77	2*77	2*77	2*77	450×1	2×165
	Capacitor	μF	2*4	2*4	2*4	2*4	25×1	2×10
	Speed (hi/lo)	r/min	780	780	780	780	840	850/530
Outdoor coil	Number of rows		2	1.7	3	2	2×28U	2
	Tube pitch(a)× row pitch(b)	mm	22x19.05	22x19.05	21x13.37	25x21.65	22×19.05	21×19.4
	Fin spacing	mm	1.6	1.6	1.5	1.6	1.6	1.55
	Fin type		Hydrophilic Aluminum	Hydrophilic Aluminum	Hydrophilic Aluminum	Hydrophilic Aluminum	Hydrophilic Aluminum	Hydrophilic Aluminum
	Tube outside dia.and type	mm	7.94	7.94	7	9.52	7.94	7
			Inner grooved	Inner grooved	Inner grooved	Inner grooved	Inner grooved	Inner grooved
	Coil length x height x width	mm	825x1280x38.1	825x1280x38.1	2*(810x630x40.11)	1804x1250	2036×1232×38.1	1077×756×60
	Number of circuits		7	7	10	7	2×10	2×9
Outdoor air flow		m3/h	6100	6100	6100	6100	12000	10000
Outdoor noise level		dB(A)	60	60	60	60	63	59
Outdoor unit	Dimension(W*H*D)	mm	911x400x1330	911x400x1330	911x400x1330	911x400x1330	975×854×1470	1126×1550×412
	Packing (W*H*D)	mm	964x402x1445	964x402x1445	964x402x1445	964x402x1445	1030×825×1750	1278×1703×560
	Net/Gross weight	kg	94/105	94/107	101/111	94/107	194/200	189/209
Refrigerant type			R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant quantity			g	3000	2800	4350	4000	2×5000 2×2800
Throttle part			Capillary	Capillary	Capillary	Capillary	Capillary	Capillary
Design pressure			MPa	4.5/1.2	4.5/1.2	4.5/1.2	4.0/1.2	4.0/1.2
Max pressure			MPa	4.5	4.5	4.5	4.5	4.5
Refrigerant piping	Liquid side/ Gas side	mm	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05	2* (Φ9.52/Φ19.05)	2* (Φ9.52/Φ19.05)
	Max. pipe length	m	30	30	30	30	50	50
	Max. difference in level	m	20	20	20	20	20	20
Ambient temp		° C	-7~50	-7~50	-7~50	-7~50	-7~50	-7~50

Duct R410a ON/OFF					
Model			ZOU-96HFG	ZHDU-150HEG	ZHDU-190HEG
Indoor Code			821035500003	821036300001	821036500001
Power supply		V-N-Hz	220-240V/1N/50Hz	380~415V/3N/50Hz	380~415V/3N/50Hz
Cooling	Capacity	Btu/h	96000	150000	191000
	Input	W	1200	3000	3200
	Rated current	A	5.6	5.8	6.3
	EER	W/W	2.64	2.31	2.41
Heating	Capacity	Btu/h	105000	168000	210000
	Input	W	1200	3000	3200
	Rated current	A	5.6	5.8	6.3
	COP	W/W	2.83	2.78	2.84
Indoor fan motor	Model		2*YDK-300F-4P3	YX3-100L1-4	YX3-100L1-4
	Output	W	2×300	2000	2000
	Capacitor	μF	15+15	/	/
	Speed(hi/mi/lo)	r/min	1050/920/820	1440	1440
Indoor coil	Number of rows		4	3	
	Tube pitch(a)x row pitch(b)	mm	25×21.65	22x19.05	22x19.05
		mm	1.5	1.6	1.6
	Fin type		Hydrophilic Aluminum	Hydrophilic Aluminum	Hydrophilic Aluminum
	Tube outside dia.and type	mm	Φ9.52	Φ7.94	Φ7.94
			Inner grooved	Inner grooved	Inner grooved
	Coil length x height x width	mm	1200×400×86.6	1730×572×57.15	1730×572×57.15
	Number of circuits		4+4	12+12	12+12
	Indoor air flow (Hi/Mi/Lo)		m3/h	4400	8500
Static Pressure		Pa		120	150
Indoor noise level(Hi/Mi/Lo)		dB(A)	45-55	65	65
Indoor unit	Dimension (W*H*D)	Body(mm)	1440×448×811	2165×676×916	2165×676×916
	Packing (W*H*D)	Body(mm)	1595×560×855	2267×840×1050	2267×840×1050
	Net/Gross weight	Body (Kg)	100/104	220/260	220/260
Refrigerant type			R410A	R410A	R410A
Refrigerant piping Liquid side/Gas side		mm	2* (Φ9.52/Φ19.05)	2×(Φ12.7/Φ22)	2×(Φ12.7/Φ22)
Controller			Wired controller	Wired controller	Wired controller
Operation temp		° C	16~32	16~32	16~32
Ambient temp		° C	-7~50	-7~50	-7~50
Application area		m2	140-187	210~290	210~290

Duct R410a ON/OFF Outdoor Unit

Model			ZOU-150HEG	ZOU-190HEG
Indoor Code			821036200004	821036400001
Power supply		V-N-Hz	380~415V/3N/50Hz	380~415V/3N/50Hz
Cooling	Capacity	Btu/h	150000	191000
	Input	W	16000	20000
	Rated current	A	30.5	33
Heating	Capacity	Btu/h	168000	210000
	Input	W	14700	18500
	Rated current	A	28	30
Max. input consumption		W	23500	29000
Max. current		A	46	56.5
Starting current		A	66	127/139
Compressor	Model		2×C-SCP270H38A	2×ZP122KCE-TFD-522
	Type		Scroll	Scroll
	Capacity	W/(Btu/h)	Panasonic	Copeland
	Input	W	22400/76429	29900/102000
	Rated current(RLA)	A	7400	9160
	Locked rotor Amp(LRA)	A	13.1	16.6
	Coil length x height x width	mm	66	127/139
	Thermal protector		Internal	Internal
	Capacitor	μF	/	/
	Refrigerant oil	ml	2800	2513
	Model		2×YDK-380-4P3	2×YDK-380-4P3
Outdoor motor fan	Output	W	2×380	2×380
	Capacitor	μF	2×25	2×25
	Speed (hi/lo)	r/min	1140/900	1140/900
Outdoor coil	Number of rows		2	3
	Tube pitch(a) x row pitch(b)	mm	22×19.05	22×19.05
	Fin spacing	mm	1.6	1.7
	Fin type		Hydrophilic Aluminum	Hydrophilic Aluminum
	Tube outside dia. and type	mm	Φ7.94	Φ7.94
			Inner grooved	Inner grooved
	Coil length x height x width	mm	2290×1253×38.1	2272×1253×57.15
		Number of circuits	2×11	2×11
Outdoor air flow		m ³ /h	20000	20000
Outdoor noise level		dB(A)	70	70
Outdoor unit	Dimension(W*H*D)	mm	1260×1620×765	1260×1620×765
	Packing (W*H*D)	mm	1315×1750×825	1315×1750×825
	Net/Gross weight	kg	325/337	306/318
Refrigerant type			R410A	R410A
Refrigerant quantity		g	7500×2	8500×2
Throttle part			Capillary (IDU Side)	Capillary (IDU Side)
Design pressure		MPa	4.2/1.2	4.2/1.2
Max pressure		MPa	4.5	4.5
Refrigerant piping	Liquid side/ Gas side	mm	2×(Φ12.7/Φ22)	2×(Φ12.7/Φ22)
	Max. pipe length	m	50	50
	Max. difference in level	m	20	20
Ambient temp		°C	-7~50	-7~50