

Top-discharge Condensing Unit (ON/OFF)



24/36k Btu/h



48/60k Btu/h

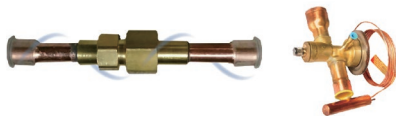
ON/OFF Feature

World famous scroll compressor and rotary compressor, quick reactivity and stable operation.

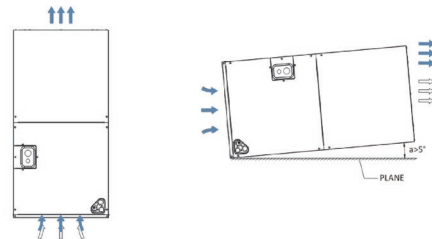


Expansion device:

Use piston as expansion device(13 SEER air handler)
Use TXV as expansion device(14 SEER air handler)



Multi-position installation: Versatile 4-way convertible design for vertical up airflow, horizontal right airflow.



Golden hydrophobic aluminum fins for option.



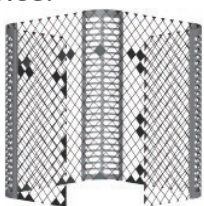
AHRI Certified & ETL Listed



Universal design, easier to stock.

Multi protection: High pressure protection, low pressure protection, high exhaust temp protection and etc.

Plastic grille metal grille optional for your choice.



Plastic

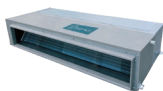


Metal

24V universal communication connection, safe and simple.



13 SEER ON/OFF (Cooling Only R410A 220V~60Hz)

Product	Cap.Btu/h	24,000	36,000	48,000	60,000
AHU			●		●
Floor Ceiling		●	●	●	●
Cassette		●	●	●	●
Duct		●	●	●	●
Outdoor Unit		●	●	● (#)	● (#)

Notes: The ones with the blue circles " (#) " have 1 or 3 ph.

13 SEER ON/OFF (AHRI) & (ETL) (R410A 220V~60Hz)

Product	Cap.Btu/h	18,000	24,000	30,000	36,000	42,000	48,000	60,000
AHU (Cooling Only/Heat Pump)		●	●	●	●	●	●	●
Floor Ceiling (Cooling Only)					●			●
Outdoor Unit (Cooling Only/Heat Pump)		●	●	●	●	●	●	●

Technical Specifications

13 SEER ON/OFF COOLING ONLY (Outdoor Unit)

₹410A

Model		ZOUA-24CDG	ZOUA-36CDG	ZOUA-48CDG	ZOUA-60CDG	ZOUA-48CNG	ZOUA-60CNG
Power supply		208~230V-1Ph-60Hz	208~230V-1Ph-60Hz	208~230V-1Ph-60Hz	208~230V-1Ph-60Hz	208~230V-3Ph-60Hz	208~230V-3Ph-60Hz
Cooling	Normal Capacity(Btu/h)	24000	36000	48000	60000	48000	60000
Max. input consumption (W)		2730	3854	5936	7250	5650	6862
Outdoor noise level (dB(A))		65	65	65	60	65	60
Dimension	Body (WxDxH) (mm)	554×554×633	554×554×633	554×554×633	554×554×633	740×740×835	740×740×835
	Packing (WxDxH)(mm)	575×575×660	575×575×660	760×760×875	760×760×875	760×760×875	760×760×875
Net/Gross weight (kg)		46/49	46.5/49.5	81.5/86.5	81.5/86.5	71.5/76.5	71.5/76.5
Refrigerant piping	Liquid side/ Gas side (mm)	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
	Max. refrigerant pipe length (m)	20	20	20	20	20	20
	Max. difference between outdoor unit and indoor unit (m)	10	10	10	10	10	10

13 SEER ON/OFF COOLING ONLY (Floor ceiling)

₹410A

Model		ZEUA-24CDG	ZEUA-36CDG	ZEUA-48CDG	ZEUA-60CDG
Power supply		208~230V-1Ph-60Hz	208~230V-1Ph-60Hz	208~230V-1Ph-60Hz	208~230V-1Ph-60Hz
Cooling	Capacity(Btu/h)	24000	36000	48000	60000
Indoor air flow(High speed) (m³/h)		1300	1700	2200	2300
Indoor noise level (dB(A))		46-53	51-56	51-56	51-57
Dimension	Body (WxDxH) (mm)	1245×240×680	1245×240×680	1670×240×680	1670×240×680
	Packing (WxDxH)(mm)	920×920×310	1325×325×770	1750×325×770	1750×325×770

13 SEER ON/OFF COOLING ONLY (Cassette)

₹410A

Model		ZCFUA-24CDG	ZCFUA-36CDG	ZCFUA-48CDG	ZCFUA-60CDG
Power supply		208~230V-1Ph-60Hz	208~230V-1Ph-60Hz	208~230V-1Ph-60Hz	208~230V-1Ph-60Hz
Cooling	Capacity(Btu/h)	24000	36000	48000	60000
Indoor air flow(High speed) (m³/h)		1200	1200	1700	1700
Indoor noise level (dB(A))		45-52	45-52	51-57	51-57
Dimension	Body (WxDxH) (mm)	840×840×230	840×840×285	840×840×285	840×840×285
	Packing (WxDxH)(mm)	920×920×310	920×920×310	920×920×375	920×920×375

13 SEER ON/OFF COOLING ONLY (Duct)

₹410A

Model		ZDUA-24CDG	ZDUA-36CDG	ZDUA-48CDG	ZDUA-60CDG
Power supply		208~230V-1Ph-60Hz	208~230V-1Ph-60Hz	208~230V-1Ph-60Hz	208~230V-1Ph-60Hz
Cooling	Capacity(Btu/h)	24000	36000	48000	60000
Indoor external static pressure (pa)		30	30	30	30
Indoor air flow(High speed) (m³/h)		1150	1300	2000	2000
Indoor noise level (dB(A))		40-52	45-50	51-56	51-56
Dimension	Body (WxDxH) (mm)	1190×260×643	1190×260×643	1425×260×643	1425×260×643
	Packing (WxDxH)(mm)	1255×325×720	1255×325×720	1490×325×720	1490×325×720

13 SEER ON/OFF COOLING ONLY (Air Handler)

₹410A

Model		ZAUA-36CDG	ZAUA-60CDG
Power supply		208~230V-1Ph-60Hz	208~230V-1Ph-60Hz
Cooling	Capacity(Btu/h)	36000	60000
ESP (pa)		37	50
Indoor air flow (m³/h)		1700	2500
Indoor noise level (dB(A))		51-56	51-57
Dimension	Body (WxDxH) (mm)	460×774×520	500×1140×550
	Packing (WxDxH)(mm)	520×834×565	560×1180×595

13 ON/OFF COOLING ONLY / HEATING PUMP AHRI ETL



(Outdoor Unit Cooling Only) Model		ZOUB-18CDG	ZOUB-24CDG	ZOUB-30CDG	ZOUB-36CDG	ZOUB-42CDG	ZOUB-48CDG	ZOUB-60CDG
Power supply		230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ
Cooling	Capacity (Btu/h)	18000	24000	30000	34500	42000	48000	57000
	Input (W)	1530	2040	2570	2930	3570	4088	4920
	SEER (AHRI Certified) (Btu/h.W)	13	13	13	13	13	13	13
Max. input consumption (W)		1912.50	2550.00	3212.50	3662.50	4462.50	5110.00	6150.00
Max. current (A)		8.75	11.67	14.70	16.76	20.42	23.39	28.15
Outdoor air flow (CFM)		723/610/500	938/804/738	1204/1060/919	1376/1235/1161	1562/1385/1208	1695/1574/1434	1695/1574/1434
Outdoor noise level (dB(A))		57	60	60	60	60	63	63
Dimension	Unit (WxDxH) (in)	22×22×25	22×22×25	29×29×25	29×29×25	29×29×33	29×29×33	29×29×33
	Packing (WxDxH)(in)	23×23×26	23×23×26	30×30×26	30×30×26	30×30×34	30×30×34	30×30×34
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge (ozs)	70.55	93.47	89.95	123.46	148.15	148.15	178.13
Refrigerant piping	Liquid side (in)	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8
	Gas side (in)	Φ3/4	Φ3/4	Φ3/4	Φ3/4	Φ3/4	Φ3/4	Φ3/4
	Max. refrigerant pipe length (ft)	65 3/8	65 3/8	65 3/8	65 3/8	65 3/8	65 3/8	65 3/8
	Max. difference in level (ft)	32 13/16	32 13/16	32 13/16	32 13/16	32 13/16	32 13/16	32 13/16

(Outdoor Unit Cooling/Heating) Model		ZOUB-18HDG	ZOUB-24HDG	ZOUB-30HDG	ZOUB-36HDG	ZOUB-42HDG	ZOUB-48HDG	ZOUB-60HDG
Power supply		230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ	230V/1N/60HZ
Cooling	Capacity (Btu/h)	17600	23600	28600	34000	40500	46000	57000
	Input (W)	1530	2052	2600	2931	3584	4035	5327
	SEER (AHRI Certified) (Btu/h.W)	13	13	13	13	13	13	13
Heating	Capacity (Btu/h)	17200	22200	28600	33500	40000	46000	55000
	HSPF (AHRI Certified)	8.2	8.2	8.3	8.3	8.3	8.3	8.3
Max. input consumption (W)		1912.50	2565.00	3250.50	3663.75	4480.00	5043.75	6658.75
Max. current (A)		8.75	11.74	14.87	16.77	20.50	23.08	30.47
Outdoor air flow (CFM)		723/610/500	938/804/738	1204/1060/919	1376/1235/1161	1562/1385/1208	1695/1574/1434	1695/1574/1434
Outdoor noise level (dB(A))		60	60	61	61	63	63	63
Dimension	Unit (WxDxH) (in)	22×22×25	22×22×25	29×29×25	29×29×25	29×29×33	29×29×33	29×29×33
	Packing (WxDxH)(in)	23×23×26	23×23×26	30×30×26	30×30×26	30×30×34	30×30×34	30×30×34
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Charge (ozs)	70.55	95.24	89.95	123.46	141.09	148.15	190.48
Refrigerant piping	Liquid side (in)	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8
	Gas side (in)	Φ3/4	Φ3/4	Φ3/4	Φ3/4	Φ3/4	Φ7/8	Φ7/8
	Max. refrigerant pipe length (ft)	65 3/8	65 3/8	65 3/8	65 3/8	65 3/8	65 3/8	65 3/8
	Max. difference in level (ft)	32 13/16	32 13/16	32 13/16	32 13/16	32 13/16	32 13/16	32 13/16

(13 Seer Air Handler Cooling Only) Model		ZAUB-18CDG	ZAUB-24CDG	ZAUB-30CDG	ZAUB-36CDG	ZAUB-42CDG	ZAUB-48CDG	ZAUB-60CDG
Power supply		208~230V/1N /60Hz	208~230V/1N /60Hz	208~230V/1N /60Hz	208~230V/1N /60Hz	208~230V/1N /60Hz	208~230V/1N /60Hz	208~230V/1N /60Hz
Cooling	Capacity(Btu/h)	18000	24000	30000	34500	42000	48000	57000
	SEER	13	13	13	13	13	13	13
Indoor external static pressure (pa)		25	25	37	37	37	50	50
Indoor air flow (CFM)		723/610/500	938/804/738	1204/1060/919	1376/1235/1161	1562/1385/1208	1695/1574/1434	1695/1574/1434
Indoor noise level (dB(A))		40	42	48	51	54	55	55
Indoor dimension	Unit (WxDxH) (in)	19.70×45.70×22.05					22.05×53.11×24.45	
	Packing (WxDxH)(in)	22.40×47.50×24.90					24.80×54.76×27.32	

(13 Seer Air Handler Cooling/Heating) Model		ZAUB-18HDG	ZAUB-24HDG	ZAUB-30HDG	ZAUB-36HDG	ZAUB-42HDG	ZAUB-48HDG	ZAUB-60HDG
Power supply		208~230V/1N /60Hz	208~230V/1N /60Hz	208~230V/1N /60Hz	208~230V/1N /60Hz	208~230V/1N /60Hz	208~230V/1N /60Hz	208~230V/1N /60Hz
Cooling/ Heating	Capacity(Btu/h)	17600	23600	28600	34000	40500	46000	57000
	SEER	13	13	13	13	13	13	13
Indoor external static pressure (pa)		25	25	37	37	37	50	50
Indoor air flow (CFM)		723/610/500	938/804/738	1204/1060/919	1376/1235/1161	1562/1385/1208	1695/1574/1434	1695/1574/1434
Indoor noise level (dB(A))		39	41	47	51	53	55	55
Indoor dimension	Unit (WxDxH) (in)	19.70×45.70×22.05					22.05×53.11×24.45	
	Packing (WxDxH)(in)	22.40×47.50×24.90					24.80×54.76×27.32	

13 SEER ON/OFF COOLING ONLY AHRI



(Outdoor Unit) Model		ZOUB-36CDG	ZOUB-60CDG
Outdoor power supply		208~230V/1Ph /60Hz	208~230V/1Ph /60Hz
Cooling	Input (W)	3093	4896
	SEER (AHRI Certified)	13	13
Outdoor weight	Net (kg)	58.3	89
	Gross (kg)	61.1	93
Refrigerant	Type	R410A	
	Charge (g)	2800	4800
Max. input consumption (W)		3519	5570
Max. current (A)		17.95	28.42
Outdoor noise level (dB(A))		60	65
Operation temperature range (°C)		16-32	16-32
Ambient temperature range(°C)		18~43	18~43
Outdoor dimension	Unit (WxDxH) (mm)	554×554×633	740×740×835
	Packing (WxDxH)(mm)	575×575×660	760×760×875

(Floor Ceiling) Model		ZEUB-36CDG	ZEUB-60CDG
Indoor power supply		208~230V/1Ph /60Hz	208~230V/1Ph /60Hz
Cooling	Capacity (Btu/h)	33000	54500
	Rated current (A)	13	21.68
	SEER (AHRI Certified)	13	13
Indoor weight	Net (kg)	37	50
	Gross (kg)	43	57
Max. input consumption (W)		3680	6138
Max. current (A)		18.78	31.31
Indoor noise level (dB(A))		51-56	51-56
Indoor air flow (m³/h)		1800	2600
Operation temperature range (°C)		16-32	16-32
Ambient temperature range(°C)		18~43	18~43
Indoor dimension	Unit (WxDxH) (mm)	1245×680×244	1670×680×244
	Packing (WxDxH)(mm)	1325×770×325	1750×770×325