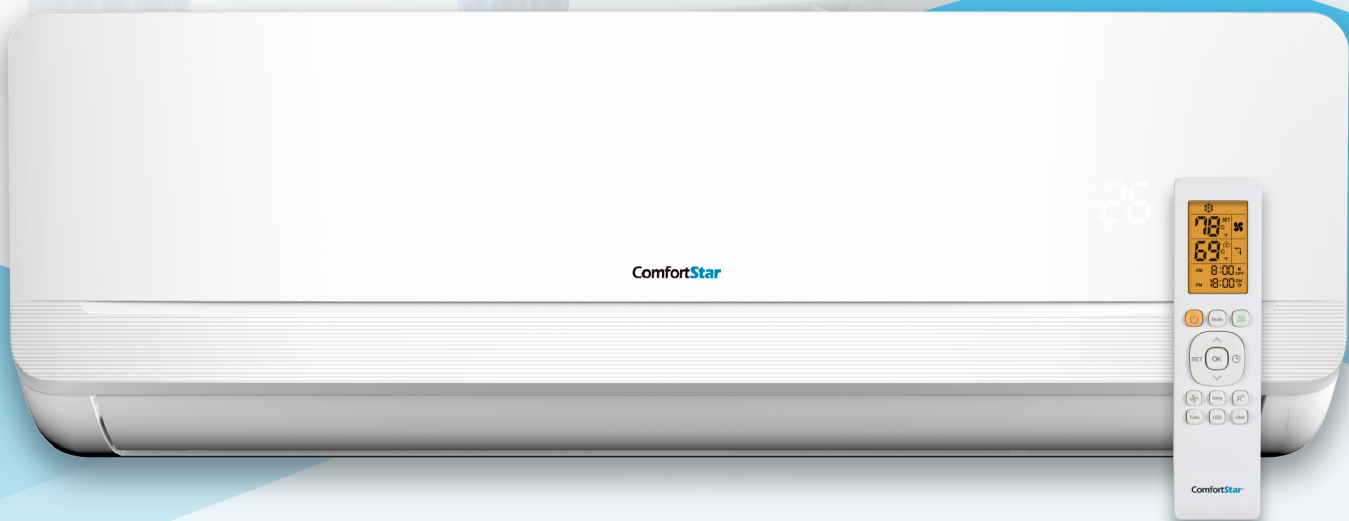


CSA-R Series

UP TO
13
SEER



HIGH EFFICIENCY - COOLING DUCTLESS MINI-SPLIT SYSTEMS



High
Quality



High efficiency
Filter



Quiet
Operation



Sleep Mode
Function

FEATURES:

- Gold fin protection
- Auto - Swing
- Auto - Restart
- Sleep mode function
- LCD display
- Remote control
- Dehumidification function
- High - efficiency filter



Comfort...
it's in our name

CSA-R Series

Comfort... it's in our name

UP TO
13
SEER



Indoor Unit Model Number		CSA12CA(I)-R	CSA12CD(I)-R	CSA18CD(I)-R	CSA24CD(I)-R	CSA36CD(I)-R	
Outdoor Unit Model Number		CSA12CA(O)-R	CSA12CD(O)-R	CSA18CD(O)-R	CSA24CD(O)-R	CSA36CD(O)-R	
Power supply		V-Ph-Hz	115V,1Ph,60Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz	
Cooling (Standard conditions)	Capacity	Btu/h	11000	12000	18000	24000	36000
	Input	W	1075	1250	1820	2500	3035
	Current	A	9.6	5.9	8.44	11.4	13.2
	EER	W/W	3	2.81	2.9	2.81	2.9
Rated Power Input		W	1750	1790	2350	3000	4500
Rated Current		A	17.5	9.2	12	15.5	25
Starting current		A	48	28	35.6	58	72
Compressor	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Capacitor	μF	70	45	50	55	60
	Refrigerant oil/oil charge	ml	ESTER OIL VG68-300	ESTEL OIL VG68-300±15	ESTEL OIL VG74/290	VG74 410±15 ml	VG74 740 ±15 ml
Indoor fan motor	Model		YKFG-15-4-28-1	YKFG-20-4-10L	YKFG-28-4-6-5	YKFG-45-4-13	ZKFP-58-8-1-10
	Input	W	46	47.4	58.5	89	58
	Capacitor	μF	3	1.5	1.5	3	/
	Speed(Hi/Mi/Lo)	r/min	1200/950/850	1150/950/850	1180/1000/850	1200/1000/850	1210/1080/900
Indoor air flow (Hi/Mi/Lo)		m ³ /h	580/440/380	540/430/380	758/615/500	1000/800/630	1600/1440/1185
Indoor noise level (Hi/Mi/Lo)		dB(A)	41/34/31.5	39.5/33/30.5	39.5/35.5/30.5	46/39.5/34.5	50/46/40.5
Indoor unit	Dimension(W*D*H)	mm	805x194x285	805x194x285	957x213x302	1040x220x327	1259x282x362
	Packing (W*D*H)	mm	870x270x365	870x270x365	1035x295x385	1120x405x315	1340x450x385
	Net/Gross weight	kg	8.7/10.8	8/10.2	11.0/13.8	13.6/17	17.7/23.1
Indoor fan motor	b.Tube pitch(a)x row pitch(b)	mm	/	19.5x11.6	19.5x11.6	19.5x11.6	19.5x11.6
	c.Fin spacing	mm	/	1.2	1.2	1.2	1.2
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	/,/	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ5,Inner groove tube
Outdoor air flow		m ³ /h	2091	1800	2100	2500	4200
Outdoor noise level		dB(A)	52.5	52	58.5	55.5	60.5
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720x270x495	765x303x555	805x330x554	890x342x673
	Packing (W*D*H)	mm	835x300x540	835x300x540	887x337x610	915x370x615	995x398x740
	Net/Gross weight	kg	25.4/27.3	24.3/26	32.6/34.9	37.7/40.4	49.3/52.4
Refrigerant type		kg	R410A/0.5	R410A/0.48	R410A/0.65	R410A/1.05	R410A/1.3
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)	6.35mm(1/4in)/12.7mm(1/2in)	6.35mm(1/4in)/9.52mm(3/8in)	6.35mm(1/4in)/12.7mm(1/2in)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/15.9mm(5/8in)
	Max. refrigerant pipe length	m	20	20	25	25	25
	Max. difference in level	m	8	8	10	10	10
Connection wiring			14#x3//	1.5x3//	1.5x3//	2.5x3//	1.0x4//
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature		°C	17~30	17~30	17~30	17~30	17~30
Room temperature	Indoor(cooling/ heating)	°C	17~32//	17~32//	17~32//	17~32//	17~32//
	Outdoor(cooling/heating)	°C	18~43//	18~43//	18~43//	18~43//	18~43//
Application area (Cooling Standard)		m ²	15~21	16~23	24~35	32~47	40~59
Qty'per 20' /40' /40' HQ			132/274/305	132/274/305	90/190/222	83/169/199	49/101/122

ComfortStar®

GOLDfin 

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