

# ComfortStar®



## CSA Series | 13 SEER

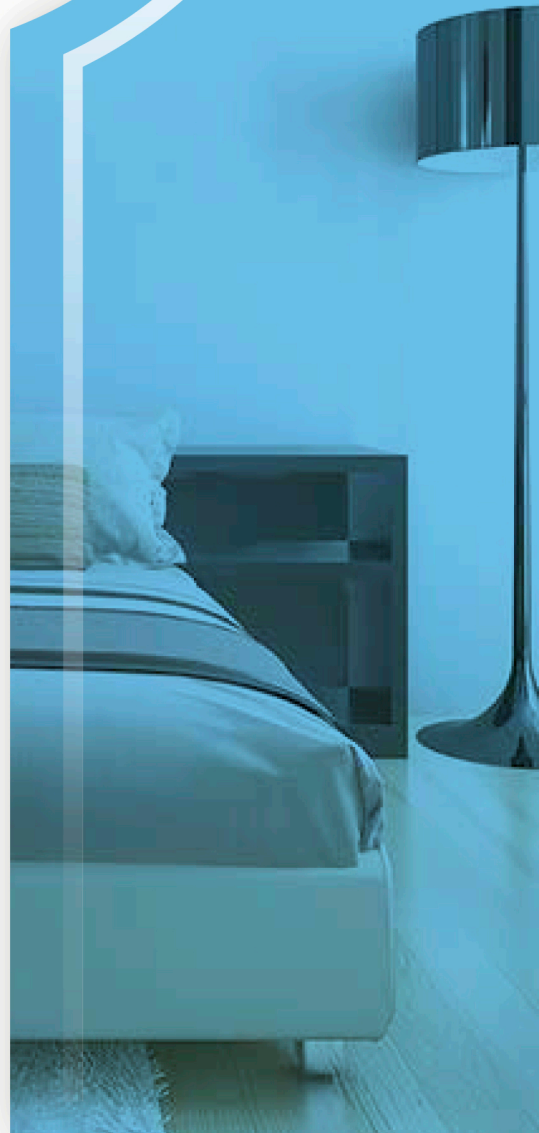
### **High Efficiency - Cooling Ductless Mini Split Systems**

#### **FEATURES:**

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



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# CSA Series | 13 SEER

Comfort... it's in our name



			ON-OFF 12K 115V	ON-OFF 12K	ON-OFF 18K	ON-OFF 24K	ON-OFF 36K
Indoor Unit Model Number			CSA12CA (I)	CSA12CD(I)	CSA18CD (I)	CSA24CD(I)	CSA36CD (I)
Outdoor Unit Model Number			CSA12CA (O)	CSA12CD(O)	CSA18CD (O)	CSA24CD(O)	CSA36CD (O)
Power supply	Ph-V-Hz		115V,1Ph,60Hz	208-230V,1Ph,60Hz	208-230V,1Ph,60Hz	208-230V,1Ph,60Hz	208-230V,1Ph,60Hz
Cooling	Capacity	Btu/h	12000	12000	18000	24000	36000
	Input	W	1180	1200	1700	2200	2400
	Rated current	A	11	5.5	7.5	10	10.5
Maximum circuit ampacity	A	17	8	11	15	17	
Maximum fuse	A	20	15	15	20	25	
Indoor air flow	m3/h		600	600	880	1200	1550
Indoor air flow	CFM		353	353	518	706	912
Indoor noise level	dB(A)		43	43	48	51	52
Indoor unit	Dimension(W*D*H)	mm	750×285×200	750×285×200	900×310×225	1082×330×233	1250×358×253
	Dimension(W*D*H)	inch	29.5 x 11.2 x 7.8	29.5 x 11.2 x 7.8	35.4 x 12.2 x 8.8	42.5 x 12.9 x 9.1	49.2 x 14.0 x 9.9
	Packing (W*D*H)	mm	820×347×277	820×347×277	970×382×302	1155×397×312	1340×445×355
	Packing (W*D*H)	inch	32.2 x 13.6 x 10.9	32.2 x 13.6 x 10.9	38.1 x 15.0 x 11.81	45.4 x 15.6 x 12.2	52.7 x 17.5 x 13.9
	Netweight	kg	8	7.5	1.5	14.5	16
	Gross weight	kg	10	9.5	14.5	17.5	19.2
	Netweight	lbs.	18	17	25	32	35
	Gross weight	lbs.	22	21	32	39	42
Outdoor air flow	m3/h		1800	2000	2300	2800	3750
Outdoor air flow	CFM		1059	1176	1353	1647	2206
Outdoor noise level	dB(A)		52	52	56	59	60
Outdoor unit	Dimension(W*D*H)	mm	720×545×255	730×545×285	800×545×315	825×655×310	900×700×350
	Dimension(W*D*H)	inch	28.3x21.4x10.0	28.7x21.4x11.2	31.4 x 21.4 x 12.4	32.4x27.7x12.2	35.4x27.5x13.7
	Packing (W*D*H)	mm	850×620×370	850×620×370	920×620×400	945×725×435	1020×770×430
	Packing (W*D*H)	inch	33.4x24.4x14.5	33.4x24.4x14.5	36.2 x 24.4 x 15.7	37.2x28.5x17.1	40.1x30.3x16.9
	Netweight	kg	26	26	35	42.5	49
	Gross weight	kg	29	29	38	46	53
	Netweight	lbs.	57	57	77	94	108
	Gross weight	lbs.	64	64	84	101	116
Refrigerant type	oz		R410A/18.9	R410A/19.25	R410A/32.2	R410A/39.2	R410A/53.2
Refrigerant precharge	ft		25.0	25.0	25.0	25.0	25.0
Additional charge for each ft	oz		0.21	0.21	0.32	0.32	0.32
Design pressure	PSIG		602 / 167	602 / 167	602 / 167	602 / 167	602 / 167
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ19.52(1/4"/3/8")	Φ6.35/Φ19.52(1/4"/3/8")	Φ6.35/Φ12.7(1/4"/1/2")	Φ6.35/Φ15.9(1/4"/5/8")	Φ6.35/Φ15.9(1/4"/5/8")
	Max. refrigerant pipe length	m	20	20	20	25	25
	Max. refrigerant pipe length	ft	66	66	66	82	82
	Max. difference in level	m	10	10	10	15	15
	Max. difference in level	ft	33	33	33	49	49
Connection wiring							
Thermostat type							
Temperature	Indoor(cooling)	C°/F°	16-32°/61-90°	16-32°/61-90°	16-32°/61-90°	16-32°/61-90°	16-32°/61-90°
	Outdoor(cooling)	C°/F°	0-48°/32-119°	0-48°/32-119°	0-48°/32-119°	0-48°/32-119°	0-48°/32-119°

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