

ComfortStar®

Air Conditioning & Heating Products

**CSA-S
Series**

13 SEER



HIGH EFFICIENCY - COOLING DUCTLESS MINI-SPLIT SYSTEMS

Orbitseries™

FEATURES:

- High Efficiency
- Super-Silent Airflow
- Multi indoor fan speeds
- Easy Maintenance
- Self-diagnosis Function
- Anti-Rust Cabinet
- Low Noise Airflow System
- LED Display



Sleep
Mode



High
Quality



Auto
Restart



Noise
Reduction



Comfort... it's in our name

© 12201 N. W. 107th Avenue | Medley, FL 33178

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www.comfortstarusa.com

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Indoor unit			CSA12CD-S(I) CSA12CD-S(O)	CSA18CD-S(I) CSA18CD-S(O)	CSA24CD-S(I) CSA24CD-S(O)
Outdoor unit					
Power supply		V-Ph-Hz	220-240V/1Ph / 60Hz	220-240V/1Ph / 60Hz	220-240V/1Ph / 60Hz
Cooling	Capacity	Btu/h	12000	18000	24000
		W	3520	5275	7034
	Input	W	1200	1800	2400
	Rated current	A	5.30	7.90	10.90
	EER	W/W	2.93	2.93	2.93
	SEER	Btu/W	13	13	13
Max. input consumption		W	1650	2600	3200
Max. current		A	7.90	12.4	14.50
Compressor	Model		QXA-B122rT130U	ASF170N2SETB3	QXA-E22rH090
	Type		ROTATY	Rotary	Rotary
	Capacity	W	3715	5135	6665
	Input	W	1285	1625	2150
	Rated current(RLA)	A	5.9	7.2	9.6
	Locked rotor Amp(LRA)	A	28.1	39	54
	Thermal protector		INTERNAL	INTERNAL	INTERNAL
	Capacitor	µF	35	50	60
Refrigerant oil	ml	280	290	600	
Indoor fan motor	Model		YYK19-4	RPG-25H-1 /YYK25-4	YYK50-4
	Output Power	W	19	25	50
	Capacitor	µF	1.5	3	3
	Speed (Hi/Mi/Lo)	r/min	1200/1200/1100/1000	1300/1200/1100/1000	1300/1200/1100/1000/800
Indoor coil	a.Number of row		1	2	2
	b.Tube pitch(a)x row pitch(b)	mm	21x12.7	21x12.7	21x12.7
	c.Fin spacing	mm	1.5	1.5	1.5
	d.Fin material		Hydrophilic	Hydrophilic	Hydrophilic
	e.Tube outside dia.and material	mm	φ7, inner Grooved	φ7, inner Grooved	φ7, inner Grooved
	f.Coil length x height x width	mm	602*252*25.4	738*336*25.4	738*336*25.4
Indoor air flow (Hi/Mi/Lo)		m3/h	600/550/480	1050/950/800	1050/950/800
		CFM	353/324/282	618/559/471	618/559/471
Rated input Power(cooling/heating)		W	35	50	80
Rated current (cooling/heating)		A	0.2	0.25	0.35
Moisture Removal			1.1	1.8	2.6
Noise level(Hi/Mi/Lo)		dB(A)	39/37/34	45/42/39	49/47/45
Unit dimension (W*H*D)		mm	800X292X190	970X310X230	970X310X230
		inch	31.5x11.5x7.5	38.2x12.2x9.1	38.2x12.2x9.1
Packing (W*H*D)		mm	865x335x240	1035x380x310	1035x380x310
		inch	34.1x13.2x9.4	40.7x15.0x12.2	40.7x15.0x12.2
Net weight		kg	7.4	8.42	12.25
		lbs	16.3	18.6	27.0
Gross weight		kg	8.55	9.51	14.06
		lbs	18.9	21.0	31.0
Outdoor fan motor	Model		YDK25-6	"YDK25-6Sz /YDK25-6"	YDK 85-6
	Output Power	W	25	25	85
	Capacitor	µF	2.5	2.5	5
	Speed	r/min	860±30	860±30	860±30
Outdoor coil	a.Number of row		1	2	2
	b.Tube pitch(a)x row pitch(b)	mm	19.5x11.57	21x11.57	21x11.57
	c.Fin spacing	mm	1.3	1.3	1.3
	d.Fin material		Non-hydrophilic	Non-hydrophilic	Non-hydrophilic
	e.Tube outside dia.and material	mm	φ5, Inner Grooved	φ5, Inner Grooved	φ5, Inner Grooved
	f.Coil length x height x width	mm	715*508*11.57	775*508*23.14	910*611*23.14
Noise level		dB(A)	49	55	57
Unit dimension (W*H*D)		mm	700x276x550	760x551x256	902x650x315
		inch	27.6x10.9x21.7	30.0x21.7x10.1	35.5x25.6x12.4
Packing (W*H*D)		mm	810x355x595	870x355x595	1026x750x425
		inch	31.9x14.0x23.4	34.3x14.0x23.4	40.4x29.5x16.7
Net weight		kg	24.68	29.35	40.60
		lbs	54.5	64.8	89.6
Gross weight		kg	27.84	31.78	43.22
		lbs	61.4	70.1	95.4
Refrigerant type			R410A	R410A	R410A
Refrigerant charge		g	500	900	1200
		oz	17.7	31.8	42.4
Design pressure		MPa	4.5	4.5	4.5
Refrigerant pipe	Liquid side	mm	φ6	φ6	φ6
		inch	1/4"	1/4"	1/4"
	Gas side	mm	φ9	φ12	φ15.88
		inch	3/8"	1/2"	5/8"
	Max. refrigerant pipe length	m	10	10	15
		inch	394	394	591
	Max. difference in level	m	5	5	10
		inch	197	197	394
Operation temperature range		°C	16~43	16~43	16~43
		°F	61~109	61~109	61~109
Ambient temperature range		°C	16~48	16~48	16~48
		°F	61~118	61~118	61~118
Application area		m2	13~27	20~32	30~55
		ft2	140~291	215~344	323~592
Qty' per 20' & 40' & 40HQ			305	235	158

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