

# SUBMITTAL DATA SHEET

## ComfortStar®

**CH20-12CA-32**

Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____
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**Set Model**  
 Indoor unit model      CH20-12CA-32(I)  
 Outdoor unit model    CH20-12CA-32(O)

**Certified**

  
 AHRI

  
 AHRI CERTIFIED

  
 ETL

  
 Intertek


**SYSTEM PERFORMANCE DATA**

Power supply		115V~/60Hz/1P
Rated cooling capacity	Btu/h	12000
Rated current	Cooling(A)	10.9
Rated input	Cooling(W)	1240
EER2 for cooling	Btu/W.h	9.5
SEER2 for cooling	Btu/W.h	20
Rated Heating capacity	Btu/h	12000
Rated current	Heating(A)	9.9
Rated input	Heating(W)	1150
HSPF2 Rating(Region IV)	Btu/W.h	10
HSPF2 Rating(Region V)	Btu/W.h	8.5
COP2 (47°F/8.3°C)	W/W	3.3
Max. Heating capacity(5°F/-15°C)	W/W	8800
COP2 (5°F/-15°C)	W/W	1.8
Max. Fuse size	A	25
Min. Circuit Ampacity	A	17

**INDOOR UNIT DATA**

Indoor air circulation-	m3/h	580/460/400/340/260
Turbo/Hi/Mid/Lo/Mute	CFM	342/270/235/200/152
Indoor noise level at cooling	dB(A)	45/42/35/30/28
Dimensions	mm	811×198×292
	Inches	31.93×7.8×11.5
Net weight	kg	8.5
	Lbs.	18.7
Packing dimensions	mm	885×275×366
	Inches	34.84×10.83×14.41
Gross weight	kg	11.0
	Lbs.	24.3

**REFRIGERANT PIPE DATA**

Refrigerant (R32)	g	580
	oz	20.46
Additional refrigerant charge	g/m	10
	oz/ft	0.11
Connecting Pipe	Gas(inch)	3/8"
	Liquid(inch)	1/4"
Max.refrigerant pipe length	m/ft	15 / 50
Max.difference in level	m/ft	10 / 33
Suitable area	sq.ft	Up to 280

**OUTDOOR UNIT DATA**

Outdoor noise level	dB(A)	55
Dimensions	mm	800×305×551
	Inches	31.5×12.01×21.69
Net weight	kg	24.0
	Lbs.	52.9
Packing dimensions	mm	852×358×600
	Inches	33.54×14.09×23.62
Gross weight	kg	28.5
	Lbs.	62.8

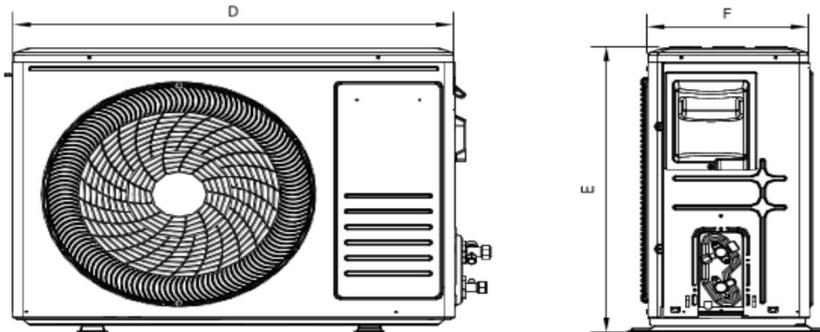
**Indoor unit dimension**



(The figure is for reference only)

Model	A (inch)	B (inch)	C (inch)
CH20-09CA-32(I)	31.93	7.99	11.50
CH20-12CA-32(I)	31.93	7.80	11.50
CH20-09CD-32(I)	31.93	7.99	11.50
CH20-12CD-32(I)	31.93	7.80	11.50
CH20-18CD-32(I)	35.83	8.11	11.57
CH20-24CD-32(I)	39.76	8.66	12.40
CH20-36CD-32(I)	46.89	10.16	14.17

**Outdoor unit dimension**



(The figure is for reference only)

Model	D (inch)	E (inch)	F (inch)
CH20-09CA-32(O)	30.98	19.61	11.42
CH20-12CA-32(O)	31.50	21.69	12.01
CH20-09CD-32(O)	30.98	19.61	11.42
CH20-12CD-32(O)	31.50	21.69	12.01
CH20-18CD-32(O)	33.54	23.70	13.74
CH20-24CD-32(O)	36.10	27.56	14.76
CH20-36CD-32(O)	38.50	31.61	16.57