

# SUBMITTAL DATA SHEET

## ComfortStar®

**CH20-36CD-32**

Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____
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**Set Model**  
 Indoor unit model      CH20-36CD-32(I)  
 Outdoor unit model    CH20-36CD-32(O)

**Certified**

  
 AHRI

  
AHRI CERTIFIED

  
 ETL

  
Intertek


**SYSTEM PERFORMANCE DATA**

Power supply		208/230V~/60Hz/1P
Rated cooling capacity	Btu/h	36000
Rated current	Cooling(A)	16.8
Rated input	Cooling(W)	3850
EER2 for cooling	Btu/W.h	9.5
SEER2 for cooling	Btu/W.h	20
Rated Heating capacity	Btu/h	36000
Rated current	Heating(A)	14.7
Rated input	Heating(W)	3350
HSPF2 Rating(Region IV)	Btu/W.h	9.5
HSPF2 Rating(Region V)	Btu/W.h	8.1
COP2 (47°F/8.3°C)	W/W	3.1
Max. Heating capacity(5°F/-15°C)	W/W	23000
COP2 (5°F/-15°C)	W/W	1.8
Max. Fuse size	A	35
Min. Circuit Ampacity	A	22

**INDOOR UNIT DATA**

Indoor air circulation-	m3/h	1440/1200/1000/800/700
Turbo/Hi/Mid/Lo/Mute	CFM	847/705/588/470/412
Indoor noise level at cooling	dB(A)	52/49/43/38/36
Dimensions	mm	1191×258×360
	Inches	46.89×10.16×14.17
Net weight	kg	17.5
	Lbs.	38.6
Packing dimensions	mm	1260×328×430
	Inches	49.61×12.91×16.93
Gross weight	kg	22.0
	Lbs.	48.5

**REFRIGERANT PIPE DATA**

Refrigerant (R32)	g	1580
	oz	55.73
Additional refrigerant charge	g/m	10
	oz/ft	0.11
Connecting Pipe	Gas(inch)	5/8"
	Liquid(inch)	1/4"
Max.refrigerant pipe length	m/ft	30 / 98
Max.difference in level	m/ft	20 / 65
Suitable area	sq.ft	Up to 646

**OUTDOOR UNIT DATA**

Outdoor noise level	dB(A)	63
Dimensions	mm	978×421×803
	Inches	38.5×16.57×31.61
Net weight	kg	48.0
	Lbs.	105.8
Packing dimensions	mm	1022×480×835
	Inches	40.24×18.9×32.87
Gross weight	kg	55.0
	Lbs.	121.3

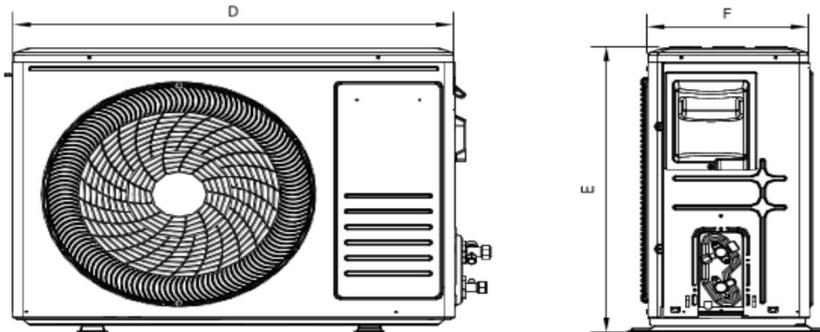
**Indoor unit dimension**



(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