

SUBMITTAL DATA SHEET

ComfortStar®

Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

Approval: _____
 Date: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____

Set Model

Indoor unit model
 Outdoor unit model

CPA32-24CD(I)(45N)
 CH20-24CD-32(O)(42D)

Certified

AHRI



ETL



SYSTEM PERFORMANCE DATA

Power supply	208/230V~/60Hz/1P
Rated cooling capacity	Btu/h 24000
Rated current	Cooling(A) 10.9
Rated input	Cooling(W) 2465
EER2 for cooling	Btu/W.h 9
SEER2 for cooling	Btu/W.h 18
Rated Heating capacity	Btu/h 24000
Rated current	Heating(A) 9.86
Rated input	Heating(W) 2200
HSPF2 Rating(Region IV)	Btu/W.h 9.5
HSPF2 Rating(Region V)	Btu/W.h 8.5
COP (47°F/8.3°C)	W/W 10.24
Indoor Minim. Circuit Ampacity	A 0.75
Indoor Max. Fuse	A 15
Outdoor Minim. Circuit Ampacity	20
Outdoor Max. Fuse	30

REFRIGERANT PIPE DATA

Refrigerant (R32)	oz	R32/42.33
Additional refrigerant charge	oz/ft	0.11
Connecting Pipe	Gas(inch)	1/2"
	Liquid(inch)	1/4"
Max.refrigerant pipe length	m/ft	65.0
Max.difference in level	m/ft	49

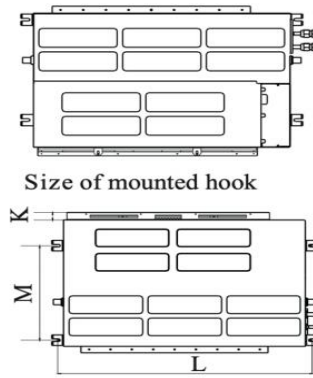
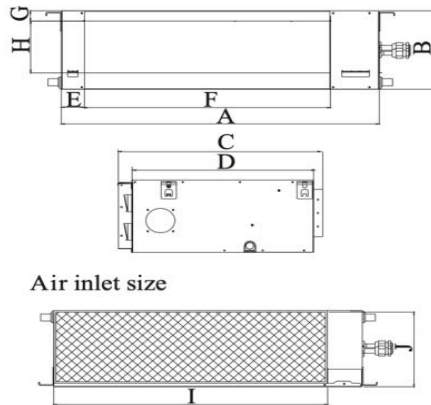
INDOOR UNIT DATA

Indoor Air Flow (Turbo/Hi/M/Lo/S)	CFM	741/623/558/529/470
Indoor noise level at cooling	dB(A)	51/49/46/39/34
Dimensions	mm	1100x490x200
	Inches	43.31x19.29x7.87
Net weight	kg	23.0
	Lbs.	50.71
Packing dimensions	mm	1290x565x245
	Inches	50.79 x 22.24 x 9.65
Gross weight	kg	26.5
	Lbs.	58.40

OUTDOOR UNIT DATA

Outdoor noise level	dB(A)	60
Dimensions	mm	917x375x700
	Inches	36.1x14.76x27.56
Net weight	kg	40.0
	Lbs.	88.2
Packing dimensions	mm	960x430x732
	Inches	37.8x16.93x28.82
Gross weight	kg	46.0
	Lbs.	101.41

Indoor unit dimension

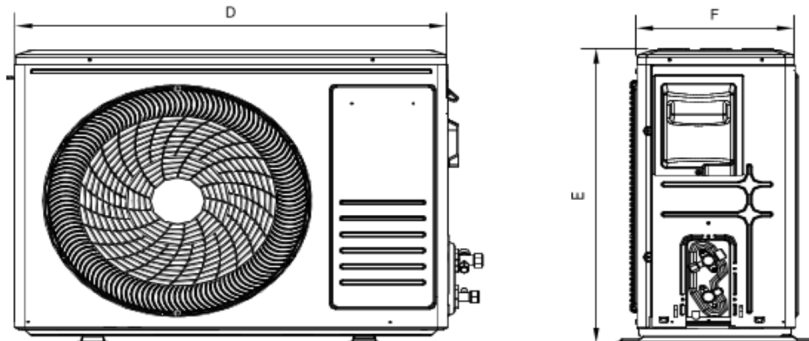


(The figure is for reference only)

Unit:mm(in.)

Model	Outline dimension				Air outlet opening size				Air return opening size			Size of mounted lug	
	A	B	C	D	E	F	G	H	I	J	K	L	M
09K(DUCT)	700	200	490	450	45	510	17	140	600	187	35	738	298
12K(DUCT)	(27.6)	(7.9)	(19.3)	(17.7)	(1.8)	(20.1)	(0.7)	(5.5)	(23.6)	(7.4)	(1.4)	(29.1)	(11.7)
18K(DUCT)	920	200	490	450	45	730	17	140	820	187	35	958	298
	(36.2)	(7.9)	(19.3)	(17.7)	(1.8)	(28.7)	(0.7)	(5.5)	(32.3)	(7.4)	(1.4)	(37.7)	(11.7)
24K(DUCT)	1100	200	490	450	27	930	17	140	1030	183	35	960	365
	(43.3)	(7.9)	(19.3)	(17.7)	(1.1)	(36.6)	(0.7)	(5.5)	(40.6)	(7.2)	(1.4)	(37.8)	(14.4)

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