

SUBMITTAL DATA SHEET

ComfortStar®

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

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

Set Model
 Indoor unit model CPA32-12CD(I)(45L)
 Outdoor unit model CH20-12CD-32(O)(429)

Certified
 AHRI
 ETL




SYSTEM PERFORMANCE DATA

Power supply	208/230V~/60Hz/1P
Rated cooling capacity	Btu/h 12000
Rated current	Cooling(A) 5.4
Rated input	Cooling(W) 1200
EER2 for cooling	Btu/W.h 10.5
SEER2 for cooling	Btu/W.h 20
Rated Heating capacity	Btu/h 12000
Rated current	Heating(A) 4.9
Rated input	Heating(W) 1100
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 11.26
Indoor Minim. Circuit Ampacity	A 0.75
Indoor Max. Fuse	A 15
Outdoor Minim. Circuit Ampacity	11
Outdoor Max. Fuse	15

REFRIGERANT PIPE DATA

Refrigerant (R32)	oz	R32/20.49
Additional refrigerant charge	oz/ft	0.11
Connecting Pipe	Gas(inch)	3/8"
	Liquid(inch)	1/4"
Max.refrigerant pipe length	m/ft	50.0
Max.difference in level	m/ft	33

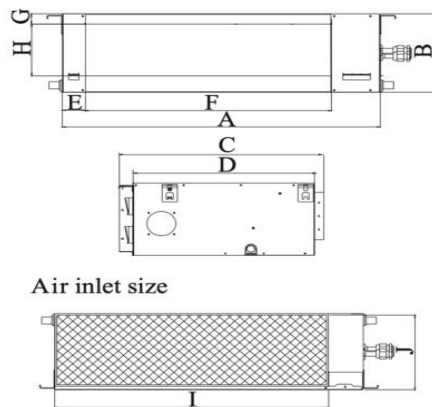
INDOOR UNIT DATA

Indoor Air Flow (Turbo/Hi/M/Lo/S)	CFM	360/330/270/217/194
Indoor noise level at cooling	dB(A)	44/41/35/33/32
Dimensions	mm	700x490x200
	Inches	27.56x19.29x7.87
Net weight	kg	15.0
	Lbs.	33.07
Packing dimensions	mm	900x555x250
	Inches	35.43 x 21.85 x 9.84
Gross weight	kg	18.0
	Lbs.	39.68

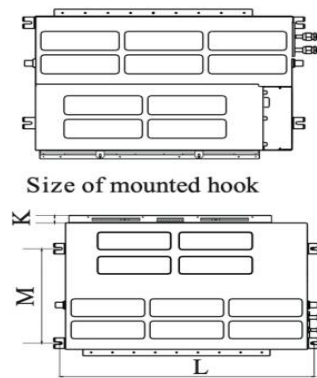
OUTDOOR UNIT DATA

Outdoor noise level	dB(A)	55
Dimensions	mm	800x305x551
	Inches	31.5x12.01x21.69
Net weight	kg	23.5
	Lbs.	51.8
Packing dimensions	mm	852x358x600
	Inches	33.54x14.09x23.62
Gross weight	kg	28.0
	Lbs.	61.73

Indoor unit dimension



Air inlet size



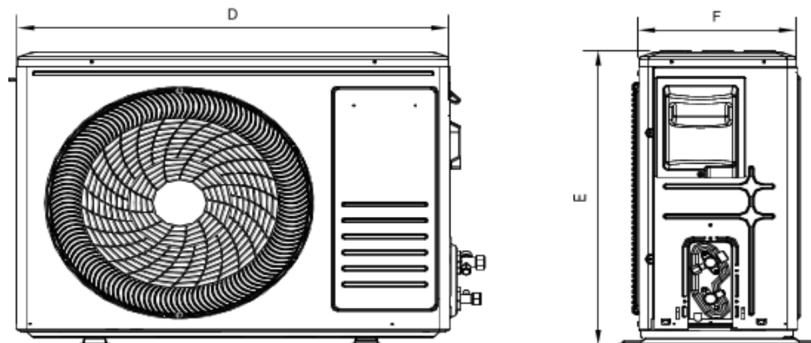
Size of mounted hook

(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