

ComfortStar® SUBMITTAL DATA SHEET

Model Number: CTT12CD(I) (35D)

High Wall Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



INDOOR SPECIFICATION

Indoor air circulation (CFM)		305/264/223/176/141
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		45/42/35/30/28
Dimension (W×D×H)	inch	31-7/8" x 11-1/2" x 8"
	mm	811×292×203
Package (W×D×H)	inch	34 -7/8"×14 -3/8"×10 -7/8"
	mm	885×366×275
Net/Gross Weight	lbs	19.8
	kg	9

ELECTRICAL

Power Supply	208/230V~/60Hz/1P
System MCA	0.6
Connection Wiring	4×16AWG
System MOCP	15
Indoor Fan Motor RLA	0.3
Indoor Fan Motor W	25.0
System Power Input @ Cooling (W)	1050
System Power Input @ Heating (W)	1030
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

EFFICIENCY

Cooling		Heating	
SEER2	/	HSPF2-4	8.2-9.5
EER2	/	COP	1.8-3.41

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	12000
Min/Max Capacity	3400~13000
Moisture Removal(L/h)	1.6
Standard Operating Range(°F/°C)	>=62/>=17
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

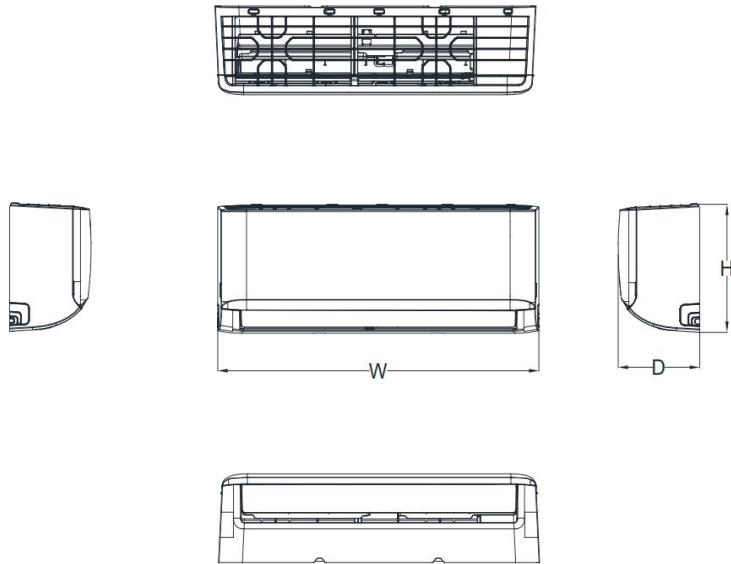
PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	12000
1. @ 47°F Min/Max Capacity	3400~13900
2. @ 17°F Rated	7400
3. @ 5°F Rated: Capacity / COP	1.8
3. @ 5°F Max: Capacity	8500
Standard Operating Range(°F/°C)	<=86/<=30
1. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
3. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

PIPING

Liquid Size	6.35mm(1/4in)
Gas Size	9.52mm(3/8in)
Max. Piping Length(ft)	49
Max. Height Difference(ft)	33
Max. Pre-charged Length(ft/m)	25/7.5
Refrigerant Pre-charged Amount(oz/g)	30.34/860
Additional Charge of Refrigerant(oz/ft)	10 / 0.11
Connection Method	4×16AWG

Indoor Unit Dimension



Model	W(inch)	D(inch)	H(inch)
CTT09CD(I)	31-7/8	8	11-1/2
CTT12CD(I)	31-7/8	8	11-1/2
CTT18CD(I)	39-3/4	8-5/8	12-3/8
CTT24CD(I)	46-7/8	10-1/4	14-1/8