

# ComfortStar®

Air Conditioning and Heating

## HEAT PUMP INVERTER

## ROOFTOP UNITS

3 and 5 Tons

**19 SEER**



### FEATURES:

- High Efficiency Compressor
- R410a
- High EER and SEER
- Variable Static pressure
- Low sound levels
- AHRI&ETL
- Electrical heater can be customized 5/7.5/10/15/20kW
- Horizontal and down air flow
- Single side service
- Air -cooled circuit board
- Universal chassis sizes and air hole dimensions
- Two-stage indoor fan control logic
- Multi-speed ECM blower motor
- Refrigerant control: EEV



High Efficiency Compressor



Multi-speed ECM blower motor



High EER and SEER



12201 N. W. 107th Avenue, Medley, FL 33178  
**Toll Free:** 1-866-524-9898 | **Phone:** 1-305-500-9898 | **Fax:** 1-305-500-9896  
[www.comfortstarusa.com](http://www.comfortstarusa.com) | [www.smartelectricusa.com](http://www.smartelectricusa.com)

*Comfort, it's in our name*



# HEAT PUMP ROOFTOP UNITS

## INVERTER

3 and 5 Tons

Model		CCRT36-1INV	CCRT60-1INV
<b>COOLING</b>	Btu	34800	57000
	EER	12	12.5
	SEER	18.5	19
	EER2	10.6	11.2
	SEER2	18	18
	Nominal CFM	1250	1800
	System power (kW)	2.9	4.5
	Refrigerant type	R410a	R410a
<b>HEATING</b>	47°F Capacity rating (Btu)	36000	57000
	System power (kW)	2.88	4.4
	17°F Capacity rating (Btu)	23000	44000
	System power (kW)	3	6
	HSPF (BTU/Watts-hr.)	9	10
	HSPF2 (BTU/Watts-hr.)	8.1	9
<b>DIMENSIONS</b>	Length (Inches)	50-11/16	51-9/16
	Width (Inches)	35-1/16	44-13/16
	Height (Inches)	46-13/16	51-7/16
<b>OPERATING WT. (lbs)</b>		420	562
<b>COMPRESSORS</b>	Type	Rotary	Rotary
	Quantity	1	1
<b>CONDENSER COIL DATA</b>	Face area (Sq. Ft)	14.11	20.17
	Rows	3+2	3+3
	Fins per inch	17	17
	Tube diameter (inch)	9/32	9/32
	Circuitry type	interlaced	interlaced
<b>EVAPORATOR COIL DATA</b>	Face area (Sq. Ft)	3.96	6.1
	Rows	4	4
	Fins per inch	17	17
	Tube diameter (inch)	9/32	9/32
	Circuitry type	interlaced	interlaced
<b>CONDENSER FAN DATA</b>	Refrigerant control	EEV	EEV
	Fan diameter (inch)	23-5/8	26-3/8
	Type	Prop	Prop
	Drive type	Direct	Direct
	No. speeds	1	1
	Number of motors	1	1
	Motor HP each	1/4	1/4
	RPM	200~950	200~880
	Nominal total CFM	3000	4100
<b>DIRECT DRIVE EVAP FAN DATA</b>	Quantity	1	1
	Fan Size (Inch)	10×10	11×10-5/8
	Type	Centrifugal	Centrifugal
	No. speeds	5	5
	Motor HP each	1/2	3/4
	RPM	1050	1075
<b>ELECTRICAL DATA</b>	Voltage-Phase-Hz	208/230-1-60	208/230-1-60
	Minimum Circuit Ampacity <sup>2</sup>	28.7	41.9
	Max. Overcurrent Protection <sup>3</sup>	45	60
	Min / Max Volts	173 / 269	173 / 269
<b>OPERATION RANGE</b>	Cooling	23°F-125°F	23°F-125°F
	Heating	-4°F-86°F	-4°F-86°F



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