

COMMERCIAL PRODUCTS

PACKAGE AIR CONDITIONERS

2 -	5 Tons	2.5 - 5 Tons		3 - 5 Tons	6 Tons	3 - 5 Tons	6 Tons
- UI UI - 2 s co - Hi EXERTY STAR - AC SU - AC SU - Hi Hi t - 20 - Hi - Hi - Hi - Hi - 40 - Hi - 40 - Hi - 40 - 40 - 40 - 40 - 40 - 40 - 40 - 40	VERGY STAR® o to 16.0 SEER, o to 12.5 EER stage scroll mpressor igh-efficiency CM blower motor	PAD4 - Up to 14.0 SEER, 11.5 EER - Convertible airflow design - Scroll compressor - High-efficiency ECM blower motor - Accessory filter racks support 2" filters - 208/230 volts single and 3 phase, 460 volts	WHEN STAR Rect models	 RAV 14.0 SEER Up to 11.8 EER Patented X-Vane FanTh Technology Std, med and high static fan motor options Factory installed economizer option Convertible airflow design Scroll compressor Single-stage cooling 208/230 volts single and 3 phase, 460 and 575 volts 	 RAV072 11.2 EER, 15.2 IEER Patented X-Vane Fan™ Technology Std, med and high static fan motor options Factory installed economizer option Convertible airflow design Scroll compressor 2 stage cooling 208/230 volts single and 3 phase, 460 and 575 volts 	 RAW 16.0 SEER, 12.2 EF Patented X-Vane Fan™ Technology Std, med and high static fan motor options Factory installed economizer option Convertible airflow design Scroll compressor 2 stage cooling 208/230 volts single and 3 phase, 460 or 575 volts 	- 13.2 IEER, 12.2 EER - Single-stage cooling - Std, med and high static fan motor options - Factory installed
	6 - 12.5 To	ons		7.5 - 15 Tons		7.5 - 10 Tons	
Compto ENERGY SIAG Select models	- ENERGY - 11.7 - 12.4 - 2-stage co - Std, med a - Factory in - Convertib - Dual scrol	EER, Up to 16.2 IEER with	vFD	RASO90, RAS102, RAS - Up to 11.3 EER, Up to 1 - Std, med and high stati- - Factory installed econo - Convertible airflow des: - Dual scroll compressors - 2-stage cooling - 208/230 volts 3-phase	c fan motor options mizer option ign s	- Factory installed eco - Convertible airflow d	t cooling capacity atic fan motor options nomizer option
	15, 17.5, 2	0, 25 Tons	15, 17.5, 20,	25 Tons	17.5, 20, 25 Tons	15, 17.5, 2	0, 25 Tons
r,5 ton uni erst view berev state Select models	- Dedicated - Std, med a motor opt - Factory in - Scroll con - 2 stage co circuits an	RAH300 STAR EER, Up to 13.8 IEER vertical airflow and high static fan ions stalled economizer option apressors oling with independent d controls volts 3 phase only,	 Dedicated h Std, med an motor option Factory instance Scroll compared to a stage cooling circuits and option 	AH303 AR Contract of the second secon	RAS210, RAS240, RAS300, RAS336 - 10.0 - 11.0 EER, Up to 12.9 - Dedicated vertical airflow - Std, med and high static fa options - Factory installed economic - Scroll compressors - 2 stage cooling with indep circuits and controls - 208/230 volts 3 phase onl or 575 volts	- Dedicated options zer option - Std, med scer option - Factory ir - Scroll con endent - 2 stage co circuits an	RAS333 DEER horizontal airflow and high static fan motor astalled economizer option apressors oling with independent d controls volts 3 phase only, 460
PACK/	AGE DU	AL FUEL	COM	MERCIAL A	IR HANDLE	RS CAS	ED COILS
	2 - 5 Tons			6 - 30 Tons	6 - 20 Tons		7.5 & 10 Tons
	 Dual Fuel - heat pump Scroll comp Convertible Stainless st heat exchar Aluminized exchanger (Direct spar High-efficie Accessory fil 	SEER EER and 8.0 HSPF gas heat and electric ressor e airflow design cel tubular nger (PDS4) steel tubular heat PDD4)		FAS072, FAS091, FAS120, FAS150, FAS180, FAS240, FAS300, FAS236 - AC fan coil - TXV standard - 4 row coil - Std, med and high static fan motor opti - Painted or unpainted cabinet - Multi-position - 5 - 70 kW electric heat	FHS072, FHS091, FHS120, FHS180, FHS240 - HP fan coil - TXV standard - 4 row coil - Std, med and high static fan motor optior ons - Painted or unpainted cabinet - Multi-position - 5 - 70 kW electric heat	15	CAHZ (Horizontal) CAVT (Vertical) - R-410A - R-22 - Direct-expansion evaporator coils - TXV - 3/8" coil tubing - Shipped with nitrogen holding charge

PACKAGE GAS/ELECTRICS



- Scroll compressor - 208/230 volts single* and 3 phase, 460 volts

- Scroll compressor - 208/230 volts 3 phase

PAR5, PAD4, PGR5, PGD4, PGS4, PHR5, PHD4 - Cabinet air leakage of 2.0% or less at 0.5 in. W.C. when tested in accordance with ASHRAE standard 199 ed option available for low cabinet air leakage and tin-coated copper evaporator main tubes

RAS. RGS. RHS with VFDs comply with the U.S. Department of Energy (DOE) efficiency standard of 2018.

- 208/230 volts single and 3 phase

RGH 10, 17.5, 20, 25 to multi rescale to a mark (1997) of the control states (1997) and a mark (1997) of the control system. RAS, RGS, RHS, RAH, RGH, RHH units for installation outside the United States may or may not contain use of the 2-speed indoor fan control system as they are not required to comply with the U.S. Department of Energy (DOE) efficiency standard of 2018.

- 208/230/460

or 575 volts

single-phase split-system units are subject to the DOE Regional Efficiency Standards ** Comfort Alert® is a registered trademark of Emerson Climate Technologies, Inc. nge-pusses spin-system nums are subject to the Dord Regional Endertain's ortanianas — Common Facter's as registered vialentials or Enderson Chinades in Enderson Chinades in Enderson Chinades and the spin set of the spin se Factory installed options (FIOPs) are available on select models of Comfortmaker® package rooftops. A full line of commercial accessories is available. See your Comfortmaker sales representative for availability!

Comfortmaker® commercial products are covered by the following parts-only limited warranties: • Stainless Steel Heat Exchanger - 15 Yrs. (RGH & RGS models only) • Aluminized Steel Heat Exchanger - 10 Yrs. • Compressor - 5 Yrs. (unless otherwise indicated) • Parts - 1 Yr. Optional extended warranty available on all R series models and commercial splits 6 tons and above (available in the U.S. only).

or 575 volts

- 208/230/460

Bringing you the ultimate in commercial value!

Tons	6 Tons	3 - 5 Tons	6 Tons
SEER o 11.6 EER med and high c fan motor ons ory installed iomizer option vertible airflow gn ll compressor le-stage cooling '230 volts e and 3 phase, and 575 volts	RGV072 - 11.0 EER, 15.0 IEER - Patented X-Vane Fan™ Technology - Std, med and high static fan motor options - Factory installed economizer option - Convertible airflow design - Scroll compressor - 2 stage cooling - 208/230 volts single and 3 phase, 460 and 575 volts	 RGW 16.0 SEER, up to 12.5 EER Patented X-Vane Fan™ Technology 2 stage gas heat Std, med and high static fan motor options Factory installed economizer option Convertible airflow design Scroll compressor 2 stage cooling 208/230 volts single and 3 phase, 460 and 575 volts 	RGH072 - ENERGY STAR - 13.0 IEER, 12.0 EER - Single-stage cooling - Std, med and high static fan motor options - Three heat options (low, medium, high) - Factory installed economizer option - Convertible airflow design - Tubular heat exchanger - 2 stage gas heat - Scroll compressor - 208/230, 460 or 575 volts
5		7.5 - 10 Tons	
R, Up to 12.8 IEJ l high static fan ptions (low, mee illed economizer airflow design t exchanger eat ompressors ng ts 3 phase only,	ER motor options lium, high) • option 460 or 575 volts	RGS089, RGS100, RC - 11.0 EER, 12.7 IEER - 2 stage/single circuit of - Std, med and high stat - Three heat options (lo - Factory installed econ - Convertible airflow de - Tubular heat exchange - 2 stage gas heat - 2 stage cooling - 208/230 volts 3 phase	cooling capacity tic fan motor options w, medium, high) omizer option sign er e only, 460 or 575 volts
, 25 Tons	15, 17.5, 20, 2	25 Tons 15,	17.5, 20, 25 Tons

- Up to 11.0 EER

15 - 20 ton unit shown

- Scroll compressor

- Single refrigerant

circuit on CHS072,

CHS091, CHS121

- Comfort Alert®

diagnostics

- Dual refrigerant circuit

on CHS180, CHS240

- Low-ambient control

- 208/230 volts 3 phase

only, 460 or 575 volts

option (-20° F)

models

PACKAGE HEAT PUMPS

	2 - 5 Tons	2.5 - 5 Tons	3 - 5 Tons	6 Tons	3 - 5 Tons	3 - 6 Tons
Carry Star	 ENERGY STAR Up to 15.5 SEER, 12.5 EER 2 stage scroll compressor High-efficiency ECM blower motor Accessory filter racks support 2" filters 	PHD4 - Up to 14.0 SEER - 12.0 EER and 8.0 HSPF - Scroll compressor - Convertible airflow design - High-efficiency ECM blower motor - Accessory filter racks support 2" filters - 208/230 volts single and 3 phase, 460 volts	RHV - 14.3 SEER, 11.8 EER - Patented X-Va Fan TM Technol - Scroll compres - Single-stage co - Std, med and I static fan moto options - Factory install economizer op - Convertible airflow design - 208/230, 460 or 575 volts	ogy - 2 stage cooling sor - 2 stage scroll bling compressor tigh - Std, med and high r static fan motor options ed - Factory installed	 12.5 EER & 8.3 HS Patented X-Vane Fan[™] Technology 2 stage cooling 2 stage scroll compr Std, med and high static fan motor op Factory installed economizer option 	- Single-stage cooling - Std, med and high essor static fan motor options tions - Factory installed economizer
	6 - 10 Tons	7.5 - 8.5 Tons	10 - 12.5 Tons	1	15 & 20 Tons	15 & 20 Tons
EVERGY STAR Select models	RHH073, RHH090, RHH102, RHH120 - ENERGY STAR - Up to 12.3 EER, 12.9 - 15.6 IEER - 2 stage cooling - Std, med and high static fan motor options - Factory installed economizer option - Convertible airflow design - Dual scroll compressors - 208/230 volts 3 pha only, 460 or 575 volt		 RH5120, RH5150 10.6 - 11.0 EER, 12.0 - 12.5 IEER Std, med and high static fan motor options Factory installed economizer option Convertible airflow design Dual scroll compressors 2 stage cooling 208/230 volts 3 phase only, 460 or 575 volts 	15 ton unit shown	RHS181, RHS240 10.6 - 10.8 EER, 12.0 IEER Dedicated vertical airflow Std, med and high static fan motor options Factory installed economizer option Scroll compressors 2 stage cooling with independent circuits and controls 208/230 volts 3 phase only, 460 or 575 volts	 RHS183, RHS243 10.6 - 10.8 EER Dedicated horizontal airflow Std, med and high static fan motor options Factory installed economizer option Scroll compressors 2 stage cooling with independent circuits and controls 208/230 volts 3 phase only, 460 or 575 volts

SPLIT CONDENSING UNITS

2.5 - 5 Tons N4A3 NH4A4 - Horizontal discharge with narrow footprint - 13.0 SEER - 14.0-15.0 SEER depending on indoor - Scroll compressor - 208/230 volts single* and 3 phase, 460 or 575 volts combination** - Scroll compressor - 208/230 volts single* and 3 phase, 460 volts 7.5 - 12.5 Tons 10 - 12.5 Tons 15 & 20 Tons CAS , CAS121, C CAS180, CAS181, CAS240, CAS241 - 11. 1.2 EER - Scro - 11.0 EER - Com - Scroll compressor CHS072, CHS091, CHS121, CHS180, CHS240 compressor - Single or dual refrigerant diag refrigerant circuit - Low t Alert[®] diagnostics circuit



CAS072	CAS091,
- 11.5 EER	CAS151
- Scroll compressor	- Up to 11
- Comfort Alert®	- Scroll co
diagnostics	- Single r
- Low-ambient control	- Comfort
option (-20° F)	- Low-am
- 208/230 volts 3 phase	option (
only, 460 or 575 volts	- 208/23
	only, 46

nbient control (-20° F) 30 volts 3 phase 60 or 575 volts

AS120, CAS150
11.2 EER
Dual scroll compressors
Comfort Alert®
diagnostics
Low-ambient control
option (-20° F)
208/230 volts 3 phase
only, 460 or 575 volts
,,, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

- Comfort Alert® diagnostics - Low-ambient control option (-20° F)

- 208/230 volts 3 phase only, 460 or 575 volts

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A SIMPLER WAY TO CREATE CUSTOMIZED SUBMITTALS:



Online Equipment Selection Program!



Use the Equipment Selection Program website to create submittals for engineers, code officials, builders or property owners or to quickly configure a unit for quoting purposes. It guides you through the process of selecting the right equipment for every application, based on the criteria you enter, matching the best products, factory installed options and correct accessories for every job.

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 Compare energy costs and payback performance of rooftop equipment. Quick, intuitive and easy to use. Preloaded with the most commonly called out competitor models.

• For replacement applications

- Evaluate the energy cost savings and payback of replacing old, inefficient equipment

For new construction applications

– Helps evaluate the energy cost and payback performance of standard vs. high-efficiency equipment or competitor equipment

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Simple inputs

- Intuitive help screens

Comfortmake

Submittal Data

Location:	Franklin, TN
Purchaser	ABC Commercial Development Corp.
Engineer.	James Smith
Architect	Semuel Williamson
Prepared By:	David Donaldson Donaldson Heating & AC, LLC 615-555-1234 Email: DavidgDonaldsonHeating.com

It's easy to get started with the ESP website. All vo need to do is register at GoComfortmaker.com by clicking on Product Information > Equipment Selection Program. Or, go to www.icpeqp.com

Just fill out the online form and follow the

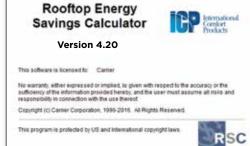
Comfortmaker

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Calculates Professional Reports:

- Payback Period
- Maintenance, Repair Costs
- Total Energy Savings
- Graphic Displays
- Detailed Energy Savings:
- Fan
- Cooling
- Heating

Savings After Payback Period

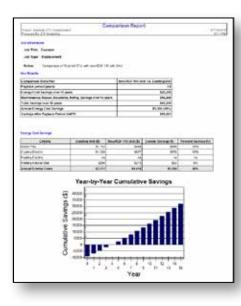


NEW - RSC:

- Dedicated Software Program
- Economic (cash flow / payback)
- Replacement Jobs
- New Construction Jobs
- Custom or Detail (Pick and Click)

Auto-populates if replacement or new construction

- Simulates 8 building types
- Pulls current energy data no guessing
- Uses Hourly Analysis Program (HAP) calculation engine



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Get the ICP[®] RTU Mobile App on **Your Smartphone**

The ICP® Rooftops app allows users to perform on the spot selection of HVAC rooftop units for both replacement and new construction, and estimate energy savings between ICP® Standard and High-Efficiency units. Users can input an existing unit model number for Comfortmaker or competitive equipment, or desired unit specifications, and obtain the optimal Comfortmaker model for their requirements.

- Provides size, weight, base electrical data
- · Select units by model, size, or CFM



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