

COMMERCIAL PRODUCTS

PACKAGE AIR CONDITIONERS

2 - 5 Tons	s 2.5 - 5 Tons		3 - 6 Tons	3 - 5 Tons	3 - 5 Tons	6 Tons
- Up to 16 Up to 12 - 2-stage compres - High-eff ECM blo - Accessor support - Hail guar tight-wir	scroll airflow design ssor - Scroll compressor iciency - High-efficiency Dwer motor ECM blower motor ory filter racks - Accessory filter racks 2" filters support 2" filters and 3-phase, 460 volts 0 volts single-	EVERSTY STAR Select models	RAH036, RAH048, RAH060, RAH072 - ENERGY STAR - Up to 15.6 SEER, 12.5 EER - Single-stage cooling - Medium and high- static fan motor options - Factory installed economizer option - Convertible airflow design - Scroll compressor - 208/230, 460 or 575 volts	options - Factory installed economizer option - Convertible airflow design - Scroll compressor - 2-stage cooling - 208/230 volts single- and 3-phase, 460 volts	 Up to 11.8 EER New X-Vane Fan™ Technology 	Medium and high-static static fan motor options Factory installed economizer option Convertible airflow design Scroll compressor - 2-stage cooling g - 208/230 volts single- e- and 3-phase, 460 volts
	6 - 12.5 Tons	7	.5 - 15 Tons		7.5 - 10 Tons	
LIKENY STAR Select models	RAH073, RAH090, RAH102, RAH120, - ENERGY STAR - 11.7 - 12.4 EER, Up to 16.2 IEER - 2-stage cooling - Medium and high-static fan motor op - Factory installed economizer option - Convertible airflow design - Dual scroll compressors - 208/230 volts 3-phase only, 460 or 5	- - - - - - - - - -	RASogo, RAS102, RAS12 Up to 11.3 EER, Up to Medium and high-static Factory installed econo Convertible airflow des Dual scroll compressor 2-stage cooling 208/230 volts 3-phase	12.6 IEER c fan motor options mizer option ign s	 Medium and high Factory installed Convertible airflo 	EER rcuit cooling capacity h-static fan motor options economizer option
	15, 17.5, 20, 25 Tons	15, 17.5, 20, 25 T	ons	17.5, 20, 25 Tons	15, 17.5,	, 20, 25 Tons
1.5 ton unit shown View Star Select models	 fan options Factory installed economizer option Scroll compressors 2-stage cooling with independent circuits and controls 	 Dedicated hori Medium and h fan options Factory installe Scroll compression 2-stage cooling circuits and corr 	03 R R, Up to 13.5 IEER izontal airflow igh-static indoor ed economizer option ssors g with independent	RAS210, RAS240, RAS300, RAS336 - 10.0 - 11.0 EER, Up to 2 - Dedicated vertical airflow - High-static indoor fan or - Factory installed econor - Scroll compressors - 2-stage cooling with indi- circuits and controls - 208/230 volts 3-phase or 575 volts	RAS30 12.9 IEER - 10.0 - v - Dedic otion - High- nizer option - Facto - Scroll ependent - 2-stac circuit	a, RAS243, 3, RAS333 - 11.0 EER ated horizontal airflow static indoor fan option ry installed economizer option compressors ge cooling with independent ts and controls 30 volts 3-phase only, 460 or olts
PACKAG	E DUAL FUEL	COMN	IERCIAL A	IR HANDLE	ERS CA	SED COILS
	2 - 5 Tons		6 - 25 Tons	6 - 20 Tons		7.5 & 10 Tons
	PDS4, PDD4 - Up to 14.0 SEER - 11.5 - 12.0 EER and 8.0 HSPF - Dual Fuel - gas heat and electric heat pump - Scroll compressor - Convertible airflow design - Stainless steel tubular heat exchanger (PDS4) - Aluminized steel tubular heat exchanger (PDD4) - Direct spark ignition - High-efficiency ECM blower motor - Accessory filter racks support 2" filters - 208/230 volts single- and 3-phase		FASor2, FASo FAS120, FAS12 FAS180, FAS22 FAS180, FAS22 FAS180, FAS22 FAS180, FAS20 - AC fan coil - TXV standar - 4-row coil - Optional higt static fan mo - Painted or unpainted ca - Multi-positior - 5 - 70 kW electric heat - 208/230/460 or 575 volts	50, FHS120, FHS180 40, FHS240 - HP fan coil - TXV standard d - 4-row coil - Optional high- static fan motor tor - Painted or unpainted abinet - Multi-position - 5 - 70 kW electric heat		CAHZ (Horizontal) CAVT (Vertical) - R-410A - R-22 - Direct-expansion evaporator coils - TXV - 3/8" coil tubing - Shipped with nitrogen holding charge

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 193 Factory installed option available for low cabinet air leakage and tin-coated copper evaporator main tubes

RAS, RGS, RHS units for installation in the United States contain use of the 2-speed indoor fan control system. This complies with the U.S. Department of Energy (DOE) efficiency standard of 2018. RGH 10, 17.5, 20, 25 ton units and RAH 10 ton units for installation in the United States contain use of 2-speed indoor fan 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.

PACKAGE GAS/ELECTRICS

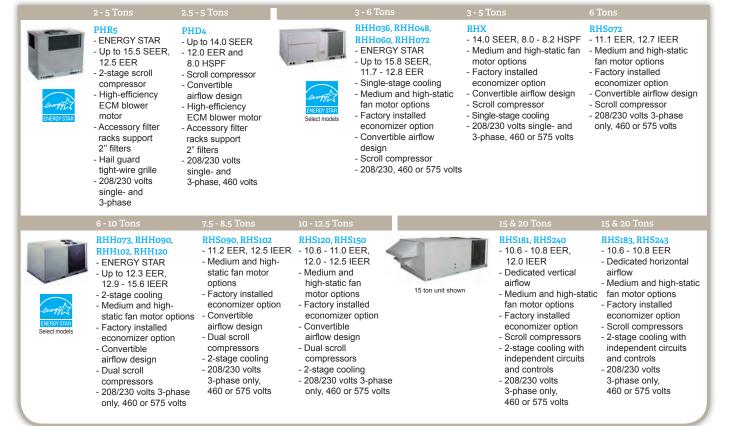
		2.5 - 5 Tons		3 - 6 Tons	3 - 5 Tons	3 - 5 Tons	6 Tons
Current Curren	PGR5 - ENERGY STAR - Up to 16.0 SEER, Up to 12.5 EER - 2-stage scroll compressor - 2-stage gas heat - Stainless steel heat exchanger - High-efficiency ECM blower motor - Accessory filter racks support 2" filters - Hail guard tight-wire grille - 208/230 volts single- and 3-phase	PGS4, PGD4 - Up to 14.0 SEER, 11.5 EER - Scroll compressor - Convertible airflow design - Stainless steel tubular heat exchanger (PGS4) - Aluminized steel tubular heat exchanger (PGD4) - Direct spark ignition - High-efficiency ECI blower motor - Accessory filter raci support 2" filters - 208/230 volts single- and 3-phase 460 volts	Select models N Ks	RGH036, RGH048, RGH060, RGH072 - ENERGY STAR - Up to 15.6 SEER, 13.0 EER - Single-stage cooliny - Medium 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	static fan motor options - Factory installed economizer option	RGV R - 14.0 SEER - Up to 11.6 EER - Medium and high- static fan motor options - Factory installed economizer optior - Convertible airflow design - Scroll compressor - Single-stage cooli - 208/230 volts single- and 3-phase, 460 volts RGX - 14.0 SEER - Only available in 575 volt models	 Medium and high- static fan motor options Factory installed economizer option Convertible airflow design Scroll compressor 2-stage cooling 208/230 volts
	6 - 12.5 Tons			- 15 Tons	_	5 - 10 Tons	
Carrier Control of Con	ENERGY ST/ - 11.5 - 12.2 Et - 2-stage coolin Medium and I Three heat op Factory instal Convertible a - Tubular heat 2-stage gas h - Dual scroll co	ER, Up to 16.0 IEER ng high-static fan motor o btions (low, medium, f led economizer optiol irflow design exchanger heat	- 1 - N - T options - F high) - C n - T - 2 - C - 2 - 2 - 2	Sogo, RGS102, RGS120 0.8-11.1 EER, Up to 12 ledium and high-static f hree heat options (low, actory installed econom convertible airflow desig ubular heat exchanger -stage gas heat ual scroll compressors -stage cooling 08/230 volts 3-phase or	.8 IEER - an motor options - medium, high) - nizer option - n - - -	GS089, RGS100, RGS1 11.0 EER, 12.7 IEER Vedium and high-stat Three heat options (lo Factory installed econ Convertible airflow de Tubular heat exchang 2-stage gas heat 2-stage cooling 208/230 volts 3-phase	cooling capacity ic fan motor options w, medium, high) omizer option sign
		15, 17.5, 20, 25 Tons	15,	17.5, 20, 25 Tons	15, 17.5, 20, 25 T	ons 1	5, 17.5, 20, 25 Tons
	17.5 ton unit shown T.5 ton unit shown	RGH181, RGH210, RGH240, RGH300 - ENERGY STAR - 11.2 - 12.0 EER - Up to 13.8 IEER - 81% AFUE - Dedicated vertical - Tubular heat excha - Medium and high-s - Medium and high-s - Three heat options - Three heat options - Three heat options - Three heat options - Clow, medium, high - Factory installed economizer option - Scroll compressors - 2-stage cooling wit circuits and control - 208/230 volts 3-ph: only, 460 or 575 volts	RC - E - 1 - L - 1 - L - 8 - 8 airflow - E anger - T static - N ir - T static - N iii - T static - N i) ((s - S hindependent - 2 S se - 2	H183, RGH213, GH243, RGH303 ENERGY STAR 0.5 - 11.5 EER Jp to 13.2 IEER 1% AFUE Dedicated horizontal airf ubular heat exchanger dedium and high-static ndoor fan options 'hree heat options 'hree heat options ow, medium, high) 'actory installed conomizer option 'croll compressors -stage cooling with inde ircuits and controls 08/230 volts 3-phase inly, 460 or 575 volts	 High-static inc Three heat op (low, medium, Factory install economizer op Scroll compre 	a6 F R - E - E - tical airflow - vexchanger - loor fan option - tions - high) - ed - otion - ssors g g with independent - 3-phase - 75 volts -	GS213, RGS243, GS303, RGS333 9.8 - 10.8 EER 80 - 81% AFUE Dedicated horizontal airflow Tubular heat exchanger High-static indoor fan option Three heat options (low, medium, high) 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	'HEAT	PUMP	S				
	5 Tons					0 Tons	
- H W	H4H4 Iorizontal discharge /ith narrow footprint 4.0-15.0 SEER depend	- M S	XH6 /inimum 15.4 SEER, 8.2 HSPF fail guard tight- wire grille	N4H4 - 14.0 SEER - Scroll compressor - 208/230 volts	- Up - Sc	roll compressor of the refrigerant of the refrigera	t, CHS180, CHS240 Dual refrigerant circuit on CHS180, CHS240 nodels _ow-ambient control

* Single-phase split-system units are subject to the DOE Regional Efficiency Standards ** Comfort Alert[®] is a registered trademark of Emerson Climate Technologies, Inc. Factory installed options (FIOPs) are available on select models of KeepRite® package rooftops. A full line of commercial accessories is available. See your KeepRite sales representative for availability!

KeepRite® 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.

Bringing you the ultimate in commercial value!

PACKAGE HEAT PUMPS	PAC	KAGE	HEAT	PUMPS
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SPLIT CONDENSING UNITS

NH₄Δ₄

- Horizontal discharge with narrow footprint - 14.0-15.0 SEER depending on indoor combination***

Scroll compressor

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



NAA2

- 13.0 SEER

Scroll compressor 208/230 volts single-* and 3-phase, 460 or 575 volts

	6 Tons	7.5 - 12.5 Tons	10 - 12.5 Tons	15 & 20 Tons
	CAS072 - 11.5 EER - Scroll compressor - Comfort Alert® diagnostics - Low-ambient control option (-20° F) - 208/230 volts 3-phase only, 460 or 575 volts	CAS091, CAS121, CAS151 - Up to 11.2 EER - Scroll compressor - Single refrigerant circuit - Comfort Alert® diagnostics - Low-ambient control option (-20° F) - 208/230 volts 3-phase only, 460 or 575 volts	CAS120, 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	CAS180, CAS181, CAS240, CAS241 - 11.0 EER - Scroll compresso - Single or dual ref circuit - Comfort Alert® dia - Low-ambient con option (-20° F) - 208/230 volts 3-p only, 460 or 575 v
				only, 460 or





ssor refrigerant

diagnostics control -phase 75 volts

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A SIMPLER WAY TO CREATE CUSTOMIZED SUBMITTALS:



Online Equipment Selection Program!

C Q O gokeeprite.com/go/index.ass Keeprite

Use the Equipment Selection Program website to create submittals for engineers, code officials, builders or property owners. 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.

Plus you can create a complete professional presentation in PDF format with a customized appearance (left). Then you can print, email or save order lists to be used or revised at a later date, which allows you to provide engineers as many copies as they need without any hassle. You can also generate equipment schedules in Microsoft[®] Excel[®] format.

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

Just fill out the online form and follow the instructions and you'll be on your way to simplifying the submittal process!

	KEEP THE PROS	Rite KNOW.	- Mille						
Home	Project	Units	FIOPs	Field Acc	Tstats	Performance	Submittal	Order List	Schedule
Projec	t Name						Revis	sion	
Projec (City, S	t Location State)								
Purch	aser (optional)								

Rooftop Energy Savings Calculator

 Compare energy costs and payback performance of rooftop equipment

• 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
- Available on HVACPartners under "Products and Solutions"
- It's FREE! Available through your local distributor

Job Information		_	Equipment Information	Baseline (Unit 1)		Proposed (Ur	123	
Job Tille	Retail shop		Unit Description	Existing Unit	_	New Proposed	a Line	_
J00 Type:	Replacement	•	Equipment Type	Cooling with Gas Heat		Cooling with Gas Heat	-	
Notes	-	-	Manufacturer	Trace		CP.		-
renes			Model.	Voyager VCD Std Eff (1997)		RGS		
			See	180 (Low Heat)		180 (Low Heat)		
-	RTUs to Compare, Settings, etc.	- P	Refligerant.	R-22		R-410a	-	
Autometerican a	Actos to Compare, Settings, etc.	_	Age (irs):	D Years			1000	
Location Informatio			Cooling Capacity	14.33 Tens			T(m)	
Report	USA		AHRI Cooling Rating	8.60 EER			EER	
			Capacity Control	2-Stage		2-Stage		
Localion:	Louisiana		Heating Capacity AHRI Heating Rating	203.0 MBH	_	148.0	MEH	_
City.	New Orleans IAP	•	Heating Efficiency	COP	- 2		COP	
	L'anne anne anne anne anne anne anne anne		Indoor Fan:	81.0 %	-	£1.0	*	_
Building Information			Indoor Fan Power	Belt Drive, Medium Static, 3Ph 5.67, BHP		Medium Static, 1Ph	BIP	-
Building Type	Office		Indoor Fan Control	1-Speed	-	1-Speed	pie.	-
Unit Peak Clo Load	15.0 Tons			[1-opeso		1-opeed		-
			Economizer	14		9		
Energy Prices			DCV (CO2) Control:	r		E.		
Input Data:	Louisians - EiA		The second second		-	-	_	-
	0.09100 SAWh		Purchase Cost (\$) Installation Cost (\$)	-	0			7000
Electric Price (Avg)	0.00100 arown		Maint + Repair (Svr)	-	0 750			3000
Gas Price (Ave):	9.01000 SMICE .		Downlime Loss (\$/yr.)		1250			

Simple inputs

- Uses Hourly Analysis Program (HAP) calculation engine
- Intuitive help screens

Calculates Professional Reports:

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

Savings After Payback Period

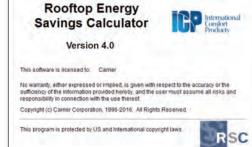
8 DOE Vhat Type of Ads Are Rig

> Keeprite Heating & Cooling Products

Submittal Data

ABC Development Project

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



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



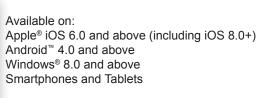
		Replacement 0,150E,151B,151C 00121C,150E,151		1	
	Existing Brand Trane Micro Metl Adapt		2 1995	T	
	CA-CAR-HE3F-T Rooftop Curb Ad Number 4 CFM Range 6000-8000	'RN-592		>	
	Existing Brand Trane Micro Metl Adapt CA-CAR-HE3F-T			I	1
	Rooftop Curb Ad Number 4 CFM Range 6000-8000			>	
	-	ny			
/					
-	-				

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 KeepRite or competitive equipment, or desired unit specifications, and obtain the optimal KeepRite model for their requirements.

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









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iPad – https://itunes.apple.com/us/app/icp-rooftops-for-ipad/id1096805959?mt=8

Windows Store - https://www.microsoft.com/en-us/store/apps/icp-rooftops/9nblggh4x98g

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