

2021 Commercial Condensed Catalog



MODEL NOMENCLATURE COMMERCIAL

SMALL PACKAGE UNITS

a = Gas/Electric TYPE b = Standard TIER b = Mainline w/ SS HX TIER b = 14 Second BTUH = 2 Tons 30 = 30,000 BTUH = 2 Tons SEER 30 = 30,000 BTUH = 2 Tons SEER 30 = 30,000 BTUH = 3 Tons SEER 30 = 30,000 BTUH = 3 Tons Be 36,000 BTUH = 3 Tons 312 = 42,000 BTUH = 3 Tons Be 48,000 BTUH = 3 Tons 32 = 42,000 BTUH = 5 Tons NOMINAL COOLING CAPACITY 000 = no factory heat H40 = 40,000 BTU/hr 400 = 40,000 BTU/hr H50 = 60,000 BTU/hr 1900 = 90,000 BTU/hr H50 = 60,000 BTU/hr 1900 = 90,000 BTU/hr H50 = 10,000 BTU/hr 1900 = 90,000 BTU/hr NOMINAL HEATING BTUH (input) < c 200k/230-3-60 VOLTAGE = 400-360 VOLTAGE 00 = No options VOLTAGE PF = Tin Coated Copper Evap Main Tubes (single phase) VOLTAGE 3C = Low Cabinet Air Leakage plus Tin Coated Copper Evap Main Tubes (PGS4) FACTORY INSTALLED OPTIONS P = Standard I Low NOX FACTORY INSTALLED OPTIONS P = Standard E Luw NOX FEATURE CODE			MODEL		ICLATUR	E							
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a = Gas/Electric TYPE b = Standard TIER b = Mainline w/ SS HX TIER b = 14 Second BTUH = 2 Tons 30 = 30,000 BTUH = 2 Tons SEER 30 = 30,000 BTUH = 2 Tons SEER 30 = 30,000 BTUH = 3 Tons SEER 30 = 30,000 BTUH = 3 Tons Be 36,000 BTUH = 3 Tons 312 = 42,000 BTUH = 3 Tons Be 48,000 BTUH = 3 Tons 32 = 42,000 BTUH = 5 Tons NOMINAL COOLING CAPACITY 000 = no factory heat H40 = 40,000 BTU/hr 400 = 40,000 BTU/hr H50 = 60,000 BTU/hr 1900 = 90,000 BTU/hr H50 = 60,000 BTU/hr 1900 = 90,000 BTU/hr H50 = 10,000 BTU/hr 1900 = 90,000 BTU/hr NOMINAL HEATING BTUH (input) < c 200k/230-3-60	MODEL SERIES	Ρ	G	D	4	36	090	K	00	0	Ε	1	
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2 = Ultra Low NOx FEATURE CODE Sales Model Digit													
Sales Model Digit	2 = Ultra Low NOx							FEA	TURE O	CODE			
-	Sales Model Digit										J		
	Engineering Digit											J	

COMMERCIAL SPLIT SYSTEM UNITS (3-5 Ton, Three-Phase)

OUTDOOR UNI	Т МОС	DEL NU	JMBER		TIFICA		GUIDE	(singl	e phas	se)	
Digit Position:	1	2	3	4	5, 6	7	8	9	10	11	12
Example Part Number:	Ν	4	н	4	18	G	К	Р	1	0	1
N = Heil Entry BRA	NDING										
4 = R-410A R	EFRIGE	ERANT	ļ								
H = Heat Pump			TYPE								
4 = 14 SEER	N	IOMINA	L EFFIC								
18 = 18,000 BTUH = 1½ tons											
24 = 24,000 BTUH = 2 tons											
30 = 30,000 BTUH = 2½ tons											
36 = 36,000 BTUH = 3 tons											
42 = 42,000 BTUH = 3½ tons											
48 = 48,000 BTUH = 4 tons											
60 = 60,000 BTUH = 5 tons			NOMIN		PACITY						
G = Coil Guard Grille, 3/8 (10mr L = Aluminum Coil	n) spaci	ng			VARIA	TIONS					
K = 208–230–1–60 H = 208/230–3–60 L = 460–3–60						VO	LTAGE				
Major Series or Variation (P = no	o HPS)										
Minor Series									•		
Extra Digit										,	
Extra Digit											

RGW MODEL NUMBER NOMENCLATURE

MODEL SERIES	R	G	W	0	6	0	L	D	D	Α	0	Α	А	A
Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
R = Rooftop														
G = Gas Heat / Electric Cooling		Туре												
W= 16 SEER Efficiency	Hig	gh Effic	iency											
036 = 36,000 BTUH = 3 Tons 048 = 48,000 BTUH = 4 Tons 060 = 60,000 BTUH = 5 Tons		1	Nomina	al Cool	ing Ca	pacity								
K = 208/230-1-60 H = 208/230-3-60 L = 460-3-60 S = 575-3-60						Vo	oltage							
D = Low Heat S = Lo	w Hea	at, Stair	nless S	teel He	eat Exc	hange	r							
E = Medium Heat R = M							-							
F = High Heat T = Hig L = Low NOx, Low Heat	gh Hea	at, Stai	nless S	steel H	eat Exe	•	er ng Cap	acitv ¹						
D = Direct Drive X-Vane™ Fan – Standard Static							.9 0 4 p	aony						
E = Direct Drive X-Vane Fan – Standard Static														
F = Direct Drive X-Vane Fan – Medium Static														
G = Direct Drive X-Vane Fan – High Static with H	ot Gas	Re-He	eat ²		ſ	Motor C	Option	(Indoor	Fan)					
 A = None B = Economizer with Barometric relief, OA Temp E = Economizer with Barometric relief + CO₂ sen H = Economizer with Barometric relief, enthalpy s L = Economizer with Barometric relief + CO₂ sen U = Temp Ultra Low Leak Economizer with Barom W = Enthalpy Ultra Low Leak Economizer with Barom 	sor, O sensor sor, er metric	A Tem hthalpy relief	senso			Outd	loor Air	Optior	ns / Co	ntrol ³				
0A = No Options														
4B = Non Fused Disconnect Switch AA = Hinged Access Panels														
AT = Un-Powered Convenience Outlet														
BB = Powered Convenience Outlet														
BP = Return Air Smoke Detector BR = Supply Air Smoke Detector														
CJ = Condensate Overflow Switch								F	Factory	/ Instal	led Op	tions ⁴		
A = Aluminum / Copper Cond & Evap Coil														
B = Precoat Alum/Copper Cond with Alum / Copp														
C = E-Coated Alum/Copper Cond with Alum / Co D = E-Coated Alum / Copper Cond & Evap (3 pha			phase	only)										
E = Copper/Copper Cond & Alum/Copper Evap		• ·)											
F = Copper/Copper Cond & Evap (3 phase only)	-						Cor	ndense	r / Eva	porator	Coil C	onfigu	ration	
A = Economizer controls for (W7212) for EconoM B = Economizer control (W7220) for EconoMiZer		V and	all othe	ers (exc	cept fac	tory-in	stalled	Econol	MiZer >	K)	E	Econom	nizer C	ontro

NOTE: On single phase (K voltage code) models the following are not available as factory-installed options:

Coated or copper fin coils

- Economizers and 2-position damper
- Powered convenience outlet
- Hot Gas Re-Heat

¹See Specification Sheet for actual heating capacities.

²Hot Gas Re-Heat system includes Low Ambient controller.

³See Specification Sheet for details.

RAW MODEL NUMBER NOMENCLATURE

MODEL SERIES	R	A	W	0	6	0	L	0	D	Α	0	Α	Α	
Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	
R = Rooftop														
A = Electric/Electric, Cooling Only		Туре												
W= 16 SEER	Hi	gh Effic	iency											
036 = 36,000 BTUH = 3 Tons 048 = 48,000 BTUH = 4 Tons 060 = 60,000 BTUH = 5 Tons		I	Nomina	Il Cool	ing Ca	pacity								
K = 208/230-1-60 H = 208/230-3-60 L = 460-3-60 S = 575-3-60						V	oltage							
0 = No Heat						Heati	ng Cap	acity ¹						
 D = Direct Drive X-Vane [™] Fan – Standard Static E = Direct Drive X-Vane Fan – High Static F = Direct Drive X-Vane Fan – Medium Static G = Direct Drive X-Vane Fan – High Static with Hereit 		s Re-He	eat ²			Motor (Option	(Indooi	r Fan)					
E = Economizer with Barometric relief + CO_2 sen H = Economizer with Barometric relief, enthalpy s L = Economizer with Barometric relief + CO_2 sen U = Temp Ultra Low Leak Economizer with Baror W = Enthalpy Ultra Low Leak Economizer with Ba	sensor sor co netric	mpatib relief	le, enth				loor Aii	r Optioi	ns / Co	ontrol ³				
0A = No Options 4B = Non Fused Disconnect Switch AA = Hinged Access Panels AT = Un-Powered Convenience Outlet BB = Powered Convenience Outlet BP = Return Air Smoke Detector BR = Supply Air Smoke Detector CJ = Condensate Overflow Switch									Factory	y Instal	led Op	tions ⁴		
A = Aluminum / Copper Cond and Evap Coil B = Precoat Alum/Copper Cond with Alum / Copp C = E-Coated Alum/Copper Cond with Alum / Co D = E-Coated Alum / Copper Cond and Evap (3 p E = Copper/Copper Cond and Alum/Copper Evap F = Copper/Copper Cond and Evap (3 phase onl	pper E bhase b (3 pł	Evap (3 only)	phase				Cor	ndense	r / Eva	porato	· Coil C	Configu	ration	
														J
A = Economizer controls for (W7212) for EconoM	liZer®	IV and	all othe	rs (exo	cept fa	ctory-in	stalled	Econo	MiZer 3	X)				

- Coated or copper fin coils
- Economizers and 2-position damper
- Powered convenience outlet
- Hot Gas Re-Heat
- ¹See Specification Sheet for actual heating capacities.
- ²Hot Gas Re-Heat system includes Low Ambient controller.
- ³See Specification Sheet for details.

RGV MODEL NUMBER NOMENCLATURE

MODEL SERIES	R	G	V	0	6	0	L	D	D	Α	0	Α	Α	Α
Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
R = Rooftop														
G = Gas Heat / Electric Cooling		Туре												
V = 14 SEER (036-060), 15 IEER (072) St	andar	d Effic	iency											
036 = 36,000 BTUH = 3 Tons 048 = 48,000 BTUH = 4 Tons 060 = 60,000 BTUH = 5 Tons 072 = 72,000 BTUH = 6 Tons		No	ominal	Cooli	ng Cap	pacity								
K = 208/230-1-60 H = 208/230-3-60 L = 460-3-60 S = 575-3-60						Vo	oltage							
D = Low Heat E = Medium Heat F = High Heat L = Low NOx, Low Heat (sizes 036-060 only), i S = Low Heat, Stainless Steel Heat Exchanger R = Medium Heat, Stainless Steel Heat Exchanger T = High Heat, Stainless Steel Heat Exchanger	nger	es Stain	less Si	teel H>		Heatin	ıg Cap	acity ¹						
D = Direct Drive X-Vane™ Fan – Standard Static E = Direct Drive X-Vane Fan – High Static F = Direct Drive X-Vane Fan – Medium Static G = Direct Drive X-Vane Fan – High Static with H		s Re-He	eat ²		Me	otor O	ption (Indoor	· Fan)					
 A = None B = Economizer with Barometric relief, OA Temp E = Economizer with Barometric relief + CO₂ ser H = Economizer with Barometric relief, enthalpy L = Economizer with Barometric relief + CO₂ ser P = 2-Position Damper (036-060 models only) U = Temp Ultra Low Leak Economizer with Baro W = Enthalpy Ultra Low Leak Economizer with Baro 	nsor, C sensor nsor, e metric	A Tem nthalpy relief	senso		(Outdoo	or Air (Option	s / Cor	ntrol ³				
0A = No Options 4B = Non Fused Disconnect Switch AA = Hinged Access Panels AT = Un-Powered Convenience Outlet BB = Powered Convenience Outlet BP = Return Air Smoke Detector BR = Supply Air Smoke Detector CJ = Condensate Overflow Switch								Fa	ctory	Installe	ed Opt	ions ⁴		
A = Aluminum / Copper Cond & Evap Coil B = Precoat Alum/Copper Cond with Alum / Cop C = E-Coated Alum/Copper Cond with Alum / Co D = E-Coated Alum / Copper Cond & Evap (3 ph E = Copper/Copper Cond & Alum/Copper Evap F = Copper/Copper Cond & Evap (3 phase only)	pper E ase or (3 pha	Evap (3 nly)	phase				Conde	nser /	Evapo	rator (Coil Co	onfigur	ation	
A = Economizer control (W7212) for EconoMiZer B = Economizer control (W7220) for EconoMiZer	r® IV (0											onomi		ontrol

NOTE: On single phase (K voltage code) models the following are not available as factory-installed options:

Coated or copper fin coils

- Economizers and 2-position damper
- Powered convenience outlet
- Hot Gas Re-Heat

¹See Specification Sheet for actual heating capacities.

²Hot Gas Re-Heat system includes Low Ambient controller.

³See Specification Sheet for details.

RAV MODEL NUMBER NOMENCLATURE

MODEL SERIES	R	Α	V	0	6	0	L	0	D	Α	0	Α	Α	
Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	1
R = Rooftop														
A = Electric/Electric, Cooling Only		Туре												
/ = 14 SEER (036-060) 15 IEER (072) St	andaro	d Effici	ency											
036 = 36,000 BTUH = 3 Tons 048 = 48,000 BTUH = 4 Tons 060 = 60,000 BTUH = 5 Tons 072 = 72,000 BTUH = 6 Tons		No	minal	Coolii	ng Car	pacity								
<pre>< = 208/230-1-60 H = 208/230-3-60 _ = 460-3-60 S = 575-3-60</pre>						Vo	oltage							
0 = No Heat						Heatin	g Capa	acity ¹						
D = Direct Drive X-Vane™ Fan – Standard Static E = Direct Drive X-Vane Fan – High Static F = Direct Drive X-Vane Fan – Medium Static G = Direct Drive X-Vane Fan – High Static with H		Re-He	at²		M	otor O	ption (Indoor	· Fan)					
A = None B = Economizer with Barometric relief, OA Temp E = Economizer with Barometric relief + CO_2 sen H = Economizer with Barometric relief, enthalpy s L = Economizer with Barometric relief + CO_2 sen P = 2-Position Damper (036-060 models only) U = Temp Ultra Low Leak Economizer with Baron W = Enthalpy Ultra Low Leak Economizer with Baron	isor, O sensor isor, er metric	A Temp nthalpy relief	sensoi			Outdoo	or Air (Option	s / Cor	ntrol ³				
BP = Return Air Smoke Detector BR = Supply Air Smoke Detector								Fa	ctory I	nstalle	ed Opt	ions⁴		
AT = On-Powered Convenience Outlet BB = Powered Convenience Outlet BP = Return Air Smoke Detector BR = Supply Air Smoke Detector CJ = Condensate Overflow Switch Factory Installed Options ⁴ A = Aluminum / Copper Cond and Evap Coil B = Precoat Alum/Copper Cond with Alum / Copper Evap (3 phase only) C = E-Coated Alum/Copper Cond with Alum / Copper Evap (3 phase only) D = E-Coated Alum / Copper Cond and Evap (3 phase only) E = Copper/Copper Cond and Alum/Copper Evap (3 phase only) F = Copper/Copper Cond and Evap (3 phase only) F = Copper/Copper Cond and Evap (3 phase only) F = Copper/Copper Cond and Evap (3 phase only) F = Copper/Copper Cond and Evap (3 phase only)												ation		
A = Economizer control (W7212) for EconoMiZer B = Economizer control (W7220) for EconoMiZer	•			,							Ec	onomi	zer Co	ontr

Coated or copper fin coils

Economizers and 2-position damper

Powered convenience outlet

Hot Gas Re-Heat

¹See Specification Sheet for actual heating capacities.

²Hot Gas Re-Heat system includes Low Ambient controller.

³See Specification Sheet for details.

RHW MODEL NUMBER NOMENCLATURE

MODEL SERIES	R	Н	W	0	6	0	1	0	D	A	0	A	Α	А
Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
R = Rooftop														
H = Heat Pump		Туре												
W= 16 SEER	Hię	gh Effic	iency											
036 = 35,000 BTUH = 3 Tons 048 = 47,500 BTUH = 4 Tons 060 = 60,000 BTUH = 5 Tons			Nomina	al Cooli	ing Ca	pacity								
K = 208/230-1-60 H = 208/230-3-60 L = 460-3-60 S = 575-3-60						Vo	oltage							
0 = No Heat						Heatir	ng Cap	acity ¹						
D = Direct Drive X-Vane™ Fan – Standard Static E = Direct Drive X-Vane Fan – High Static F = Direct Drive X-Vane Fan – Medium Static					Ν	Notor C	Option	(Indoor	· Fan)					
 B = Economizer with Barometric relief, OA Temp E = Economizer with Barometric relief + CO₂ sen H = Economizer with Barometric relief, enthalpy s L = Economizer with Barometric relief + CO₂ sen P = 2-Position Damper U = Temp Ultra Low Leak Economizer with Barom W = Enthalpy Ultra Low Leak Economizer with Barom 	sor, O sensor sor, ei netric	A Tem hthalpy relief	senso			Outd	oor Air	• Optior	ns / Co	ntrol ²				
0A = No Options 4B = Non Fused Disconnect Switch AA = Hinged Access Panels AT = Un-Powered Convenience Outlet BB = Powered Convenience Outlet BP = Return Air Smoke Detector BR = Supply Air Smoke Detector CJ = Condensate Overflow Switch									Factory	/ Instal	led Op	tions ³		
A = Aluminum / Copper Cond and Evap Coil B = Precoat Alum/Copper Cond with Alum / Copp C = E-Coated Alum/Copper Cond with Alum / Co D = E-Coated Alum / Copper Cond and Evap (3 p E = Copper/Copper Cond and Alum/Copper Evap F = Copper/Copper Cond and Evap (3 phase onl	pper E bhase b (3 ph	ivap (3 only)	phase	• ·			Cor	ndense	r / Eva	porator	- Coil C	Configu	ration	
A = Economizer control (W7212) for EconoMiZer B = Economizer control (W7220) for EconoMiZer											E	Econom	nizer C	ontrol

NOTE: On single phase (K voltage code) models the following are not available as factory-installed options:

• Coated or copper fin coils

Economizers and 2-position damper

• Powered convenience outlet

¹See Specification Sheet for actual heating capacities.

²See Specification Sheet for details.

RHV MODEL NUMBER NOMENCLATURE

MODEL SERIES	R	Н	V	0	6	0	L	0	D	Α	0	Α	А	Α
Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
R = Rooftop														
H = Heat Pump		Туре												
V = 14 SEER (036-060) 15 IEER (072)	Standa	rd Effic	ciency											
036 = 36,200 BTUH = 3 Tons 048 = 49,500 BTUH = 4 Tons 060 = 60,500 BTUH = 5 Tons 072 = 71,000 BTUH = 6 Tons			Nomina	al Cooli	ing Cap	pacity								
K = 208/230-1-60 H = 208/230-3-60 L = 460-3-60 S = 575-3-60						Vo	oltage							
0 = No Heat						Heatir	ng Cap	acity ¹						
D = Direct Drive X-Vane™ Fan – Standard Static E = Direct Drive X-Vane Fan – High Static F = Direct Drive X-Vane Fan – Medium Static	;				Ν	Notor C	Option	(Indoor	·Fan)					
 B = Economizer with Barometric relief, OA Temp E = Economizer with Barometric relief + CO₂ sen H = Economizer with Barometric relief, enthalpy s L = Economizer with Barometric relief + CO₂ sen P = 2-Position Damper (036-060 models only) U = Temp Ultra Low Leak Economizer with Barometric W = Enthalpy Ultra Low Leak Economizer with Barometric W = Enthalpy Ultra Low Leak Economizer with Barometric W = Enthalpy Ultra Low Leak Economizer with Barometric W = Enthalpy Ultra Low Leak Economizer with Barometric W = Enthalpy Ultra Low Leak Economizer with Barometric W = Enthalpy Ultra Low Leak Economizer W = Enthalpy Ultra Low Leak Economiz	isor, O sensor isor, ei metric	A Tem nthalpy relief	senso			Outd	oor Air	Optior	ns / Co	ntrol ²				
0A = No Options 4B = Non Fused Disconnect Switch AA = Hinged Access Panels AT = Un-Powered Convenience Outlet BB = Powered Convenience Outlet BP = Return Air Smoke Detector BR = Supply Air Smoke Detector CJ = Condensate Overflow Switch								I	-actory	/ Install	led Op	tions ³		
A = Aluminum / Copper Cond and Evap Coil B = Precoat Alum/Copper Cond with Alum / Copp C = E-Coated Alum/Copper Cond with Alum / Co D = E-Coated Alum / Copper Cond and Evap (3 p E = Copper/Copper Cond and Alum/Copper Eval F = Copper/Copper Cond and Evap (3 phase onl	pper E ohase p (3 ph	vap (3 only)	phase	• ·			Cor	idense	r / Eva	porator	· Coil C	Configu	ration	
A = Economizer control (W7212) for EconoMiZer B = Economizer control (W7220) for EconoMiZer											E	conor	nizer Co	ontrol

NOTE: On single phase (K voltage code) models the following are not available as factory-installed options:

- Coated or copper fin coils
- Economizers and 2-position damper
- Powered convenience outlet
- Hot Gas Re-Heat

¹See Specification Sheet for actual heating capacities.

²See Specification Sheet for details.

RAH 072-150 MODEL NUMBER NOMENCLATURE

MODEL SERIES	R	Α	Н	0	9	0	Н	0	A	Α	0	A	Α	Α
Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
R = Rooftop	•													
A = Air Conditioning (Cooling Only)		- Туре												
H = High Efficiency		Effi	ciency											
072 = 6 Tons (Single Compressor)	110 = 1	0 Tons (Dual Co	u mpresso	• or) 12.0 E	ER*								
073 = 6 Tons (Single Compressor/2-Stage)				•	or) 11.7 E									
090 = 7.5 Tons (Dual Compressor)		12.5 Ton:												
102 = 8.5 Tons (Dual Compressor)			Non	ninal Co	oling Ca	pacity								
H = 208/230-3-60	S = 57	5-3-60					1							
L = 460-3-60						Ņ	/oltage							
0 = No Heat		Heating	Capaci	ty (See s	spec she	et for a	ctual ca	- pacity)						
A = Standard Static Option - (Belt Drive) 6-12.5 T	on with	1 speed	I IFM , 3	phase	only)				-					
C = Medium Static Option (Belt Drive) (3-12.5 Tor	n with 1	speed	IFM, 3 p	hase on	ly)									
B = High Static Option (Belt Drive) (3-10 Ton with	n 1 spee	ed IFM,	3 phase	only)										
E = High Static High Efficiency Option (Belt Drive						on VFD)								
G = High Static Motor / Drive with Hot Gas Re-he														
H = High Static Motor / Drive with Hot Gas Re-he	at (6, 8.5	, 15 ton	non VFL), all size	es with V	FD)		Motor	Ontion					
								WIOLOI	Option					
A = None														
B = Economizer w/Barometric relief, OA Temp se			o.r											
E = Economizer w/Barometric relief + CO ₂ Senso H = Economizer w/Barometric relief, enthalpy ser		np sens	or											
L = Economizer w/Barometric relief + CO ₂ Senso		w sonso	r											
P = 2-Position damper w/Baro-relief	, enuiaip	y 361130	I											
U = Temp Ultra Low Leak Economizer w/Barome	ric relief													
W = Enthalpy Ultra Low Leak Economizer w/Baro														
			Out	door Aiı	Option	s / Cont	rol (See	spec sh	eet for o	details)				
0A = No Options											-	I		
4B = Non-Fused Disconnect														
BB = Powered 115v Convenience Outlet														
AT = Non-powered 115v Convenience Outlet														
BR = Supply Air Smoke Detector														
AA = Easy Access Hinged Panels														
									Fac	ctory Ins	stalled C	Options		
A = Aluminum / Copper Cond & Alum/Copper Eva	•													
B = Pre-coat Alum/Copper Cond & Alum / Coppe														
C = E-Coated Alum/Copper Cond & Alum / Copp														1
D = E-Coated Alum / Copper Cond & E-Coated A	lum/Cop	per Evap)											
E = Copper/Copper Cond & Alum/Copper Evap														1
F = Copper/Copper Cond & Copper/Copper Evap)							•	I	F		0.0		
								Cond	lenser /	Evapora	ator Coi	i Config	uration	l
A = Standard Single Speed Indoor Fan Motor For														
B = Standard Single Speed Indoor Fan Motor Fo														
T = 2-Speed Indoor Fan VFD Controller (For 2-st		(بامم ا											or Type	0.11

NOTE: On single phase (K voltage code) models, the following are not available as factory installed options:

- Coated or copper fin coils

- Economizers or 2 position dampers

Hot Gas Re-heat

 * $\,$ Two speed fan is required for sale in the U.S. or Canada.

RAH 181-303 MODEL NUMBER NOMENCLATURE

MODEL SERIES	R	А	Н	1	8	1	Н	0	Α	Α	0	Α	Α	Т
Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
R = Rooftop														
A = Air Conditioning		Туре												
H = High Efficiency		Effi	ciency											
H = High Efficiency 181 = 181,000 = 15 Ton Dedicated Vert 183 = 180,000 = 15 Ton Dedicated Hori 210 = 210,000 = 17.5 Ton Dedicated Vert 213 = 210,000 = 20 Ton Dedicated Hori 240 = 240,000 = 20 Ton Dedicated Vert 243 = 240,000 = 25 Ton Dedicated Vert 300 = 300,000 = 25 Ton Dedicated Hori 303 = 300,000 = 25 Ton Dedicated Hori	zontal S prizonta ical SA zontal S ical SA	/RA (SA SA/RA SA/RA al SA/R/ /RA SA/RA /RA	A = Sup		RA = Re bling Ca									
H= 208/230-3-60														
L = 460-3-60														
S = 575-3-60						V	oltage							
0 = No Heat						Heati	ng Cap	acity						
F = Medium Static - High Efficiency M G = High Static Motor with High Stati H = High Static Motor with Hot Gas R A = None B = Economizer w/ Barometric Relief, C E = Economizer w/ Barometric Relief +	c, High e-Hea DA Ter	n Efficie t Single mp Sen	ency M e and 2	otor (2 speed	10-303 IFM (1	models	mode	ls only] lotor O						
H = Economizer w/ Barometric Relief, I	-			mp Sei	1501									
L = Economizer w/ Barometric Relief +	CO ₂ S	-		py Sen	sor									
P = 2-Position Damper w/ Barometric F		/ Dar	a va a tvi a	Delief										
U = Temperature Ultra Low Leak Econ W = Enthalpy Ultra Low Leak Economi						C	Dutdooi	r Air Op	tions / (Control				
0A = No Options 4B = Non-Fused Disconnect AT= Non-Powered 115v C.O. BR = Supply Air Smoke Detector AA= Easy Access Hinged Panels										y-Insta	ılled Op	otions		
A = Aluminum / Copper Condenser and	d Evap	orator	Coils										1	
B = Pre-Coat Aluminum / Copper Cond C = E-Coat Aluminum / Copper Conde	enser a	ind Alui	minum	/ Copp	er Evap	orator	Coils							
D = E-Coat Aluminum / Copper Conde E = Copper / Copper Condenser and A							porato	r Coils						
F = Copper / Copper Condenser and C						0	С	ondens	ser / Ev	aporate	or Coil	Configu	iration	
A = Standard Single Speed Indoor Far B = Standard Single Speed Indoor Far T = Two Speed Indoor Fan Motor (VFI	n Moto n Moto	r. For V r. For V	V7212 V7220	Contro Contro	ls Is			_				Motor]

RAS 089-180 MODEL NUMBER NOMENCLATURE

MODEL SERIES	R	Α	s	0	9	0	н	0	A	A	0	A	Α	A
Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
R = Rooftop														
A = Electric/Electric, Cooling Only		' Туре												
S = Standard DOE 2018/ASHRAE 90	.1 - 201	6 Eff	iciency											
089 = 7.5 Tons (1 circuit/two stage co 090 = 7.5 Tons (2 compressor/two station of the static	age coo oling) age coo oling) ge cooli tage co	ling) ing) oling)	Nomi	nal Co	oling C	apacity								
H = 208/230-3-60 L = 460-3-60 S = 575-3-60							Voltage							
0 = No Heat							ating Ca	1						
B = High Static Motor/Drive ¹ C = Medium Static Motor/Drive E = High Static - High Efficiency Moto H = High Static Motor/Drive with Hot C	Gas Re-				-), 119 m	odels)	Motor	Option					
B = Low Leak Economizer w/Baromet E = Low Leak Economizer w/Baromet H = Low Leak Economizer w/Baromet L = Low Leak Economizer w/Baromet P = 2-Position Damper (non U.S. moo U = Temperature Ultra Low Leak Econom W = Enthalpy Ultra Low Leak Econom	ric relie tric relie ric relie lels only nomize	f and C f, Entha f and C () r w/Barc	O ₂ Sens alpy Sen O ₂ Sens	or, OA sor or, Entl relief	Temper		ensor	Outdo	oor Air C	ptions				
0A = Standard (no options) AT = Un-Powered Convenience Outlet 4B = Non-Fused Disconnect Switch BB = Powered Convenience Outlet BR = Supply Air Smoke Detector BP = Return Air Smoke Detector AA = Easy Access Hinged Panels	ot								Facto	ory Insta	alled Or	otions ²		
A = Aluminum/Copper Condenser and B = Precoat Alum/Cu Condenser and C = E-Coated Alum/Cu Condenser an D = E-Coated Alum/Cu Condenser an E = Cu/Cu Condenser and Alum/Cu E F = Copper/Copper Condenser and E	Alum/C Id Alum Id Evap Vapora	u Evap /Cu Eva orator tor	orator			Sta	undard (Conden	ser / Ev	vaporato	or Coil	Configu	iration	
A = Single-Speed Indoor Fan Motor, B = Single-Speed Indoor Fan Motor, T = Two-Speed Indoor Motor Control	for W72	20 cont	trols	ı U.S. n	nodels (except 0	89, 100	, 119 ma	odels)			Indo	oor Fan	Motor

¹ Not available for RAS089 units.

² Combinations of FIOPS are available. Contact your sales representative for details.

RAS 210-336 MODEL NUMBER NOMENCLATURE

MODEL SERIES	R	А	S	2	1	0	Н	0	А	В	0	А	А	А
Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
R = Rooftop	1	_	_		-		-	-						
A = Air Conditioning (Cooling Only)		ļ												
G = Gas/Electric		Туре												
S = Standard ASHRAE 90.1-2010 Efficiency			l ciency											
•				 _ Determ	• • • • • •									
210 = 210,000 = 17.5 Tons Dedicated Vertica		= Supply	/ Air, Ra	= Returi	h Air)									
240 = 240,000 = 20 Tons Dedicated Vertical S 300 = 300,000 = 25 Tons Dedicated Vertical S														
336 = 300,000 = 25 Tons Dedicated Vertical S														
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Nom	ninal Coo	oling Ca	pacity								
H = 208/230-3-60					0	,	,							
L = 460-3-60														
S = 575-3-60						١	/oltage							
0 = No Heat)						
0 - NO HEAL						HÞ	ating Ca	pacity						
A = Standard Static Option (All models)							ating ou	paony	ļ					
B = High Static High Efficiency Option (All mo	dels with	1 2 speed	d IFM)											
C = Medium Static Option (17.5 Ton Only with		•	,	5 ton wit	th 2 spee	ed IFM)								
E = High Static High Efficiency Option (All Mo														
F = Medium Static High Efficiency Option (20	to 27.5	Fon with	1 speed	IFM)										
G = High Static Motor with Hot Gas Reheat (1	7.5 to 2	5 Ton wit	h 1 spee	d IFM)										
H = High Static Motor with Hot Gas Reheat (1	7.5 to 25	5 Ton wit	h 2 spee	d IFM)				Motor (Option					
A = None										r				
B = Economizer w/Bara-relief, OA Temp sens														
E = Economizer w/Bara-relief + CO $_2$ sensor,				d IFM or	ıly)									
H = Economizer w/Bara-relief, Enthalpy sense														
L = Economizer w/Bara-relief + CO $_2$ sensor,					ly)									
U = Ultra Low Leak Temp Economizer w/Barc	-													
W = Ultra Low Leak Enthalpy Economizer w/E				niy)			Outdoo	r Air On	tions / C	ontrol				
P = 2-Position damper w/Baro-relief (1-speed		()					Outdoo	or Air Op	lions / C	Untrol	J			
0A = No Options														
AT = Non – powered 115v C.O.														
BR = Sup. Air Smoke Detector														
AA = Easy Access Hinged Panels 4B = Non fused disconnect									E	oton (In	stalled O	ntiona		
									Γč			puolis	I	
A = Alum / Cu Cond & Alum / Cu Evap														
B = Pre coated Alum / Cu Cond & Alum / Cu I	•													
C = E-coatedd Alum / Cu Cond & Alum / Cu E D = E-coated Alum / Cu Cond & E-coated Alu	•	Von												
E = Cu / Cu Cond & Alum / Cu Cond & E-coated Alu		vap												
F = Cu / Cu Cond, Cu / Cu Evap														
								Con	denser /	Evapor	ator Coil	Configur	ation	
A = Standard 1 Speed IFM								001				2 cgai		I
T = 2 Speed IFM with VFD Controller (For 2-s	tane uni	ts only)										Mot	or Type (Ontion
	naye ull	is only)										wold	, ihe (puon

RGH 072-150 MODEL NUMBER NOMENCLATURE

					0	0	-		Δ	_		^	۸	^
MODEL SERIES	R	G	H	0	9	0	H	D	A	A	0	A	A	A
Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
R = Rooftop		ļ												
G = Gas/Electric		Туре	ļ											
H = High-Efficiency		Effic	ciency											
072=6Tons (SingleCompressor/2-Stage) 090=7.5Tons (DualCompressor) 102=8.5Tons (DualCompressor)	120=1	0Tons (DualCo s (Dual	ompress ompress Compres nal Coo	or)(11.5 ssor)	EER)								
H=208/230-3-60 L=460-3-60	S=57	5-3-60				Ve	oltage							
D=Low Heat E=Medium Heat F=High Heat S=Low Heat, Stainless Steel Heat Exchang R=Medium Heat, Stainless Steel Heat Exchan T=High Heat, Stainless Steel Heat Exchan	hanger			(See sp	bec she		ting Ca							
A = Standard Motor B = High Static Motor C = Medium Static Motor E = High Static/High Efficient Motor F = Medium Static/High Efficient Motor G = High Static with Hot Gas Re-Heat (sin H = High Static with Hot Gas Re-Heat (two								Motor (Option					
A = None B = Economizer w/Barometric relief, OA Tel E = Economizer w/Barometric relief + CO ₂ S H = Enthalpy Economizer w/Barometric relie L = Enthalpy Economizer w/Barometric relie U = Temp Ultra Low Leak Economizer w/Bar W = Enthalpy Ultra Low Leak Economizer w P = 2-Position damper w/Baro-relief only o	Sensor, ef, enth ef + CO arometri //Baron	OA Ter alpy ser Senso c relief netric re	nsor r, entha lief		isor	0	utdoor	Air Op	tions/C	ontrol				
0A = Standard BB = Powered 115v Convenience Outlet AT = Non-powered 115v Convenience Out 4B = Non-Fused Disconnect BR = Supply Air Smoke Detector AA = Easy Access Hinged Panels	llet			Facto	ry Insta	alled O	ptions	(Not av	ailable	on 1 p	hase m	nodels)		
A = Aluminum / Copper Cond & Alum/Copp B = Pre-coat Alum/Copper Cond & Alum / C C = E-Coated Alum/Copper Cond & Alum /	Copper	Evap (3			E = Cı	ı/Cu Co	d Alum/0 ond & Al copper C Cor	um/Cu Cond &	Evap		r Coil C	configu	ration	
 A = Standard Single Speed Indoor Fan Mo B = Standard Single Speed Indoor Fan Mo T = 2 Speed Indoor Fan VFD Controller (For 	tor For	W7220	control									Motor	Туре О	ption

RGH 181-303 MODEL NUMBER NOMENCLATURE

MODEL SERIES	R	G	Н	1	8	1	н	D	A	В	0	Α	Α	Α
Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
R = Rooftop														
G = Gas/Electric		Туре												
H = High Efficiency			ciency											
181 = 181,000 = 15 Tons Dedicated Vertical S, 183 = 180,000 = 15 Tons Dedicated Horizontal 210 = 210,000 = 17.5 Tons Dedicated Vertical 213 = 210,000 = 17.5 Tons Dedicated Vertical 240 = 240,000 = 20 Tons Dedicated Vertical S, 243 = 240,000 = 20 Tons Dedicated Horizontal 300 = 300,000 = 25 Tons Dedicated Vertical S, 303 = 300,000 = 25 Tons Dedicated Horizontal H = 208/230-3-60 L = 460-3-60 S = 575-3-60	SA/RA SA/RA tal SA/R A/RA SA/RA A/RA	A			urn Air) ng Capa	city								
D = Low Heat E = Medium Heat F = High Heat S = Low Heat, Stainless Steel Heat Exchanger R = Medium Heat, Stainless Steel Heat Exchanger T = High Heat, Stainless Steel Heat Exchanger A = Standard Motor (up to 15 ton on both units C = Medium Static Motor (up to 15 ton on both units B = High Static Motor (up to 15 ton on both units E = High Static - High Efficiency Motor (motor - F = Medium Static - High Efficiency Motor (15 ton G = High Static Motor/Drive with Hot Gas Reference	nger r with VF n units w ts with \ available ton non	vith VFD /FD (2 s e on 17. VFD, all	(2 speed peed) IF 5, 20 and sizes wi	d) IFM a M and n I 25 ton th VFD)	nd non \ on VFD on non \	odels) ′FD mod models)		apacity_						
A = None B = Temp Economizer w/Bara-relief E = Temp Economizer w/Bara-relief + CO ₂ set H = Enthalpy Economizer w/Bara-relief L = Enthalpy Economizer w/Bara-relief + CO ₂ U = Temp. Ultra Low Leak Economizer w/Bara W = Enthalpy Ultra Low Leak Economizer w/B P = 2-Position damper	nsor sensor -relief						Outdoo	Motor (r Air Op	-] Control				
0A = No Options 4B = Non-Fused Disconnect AT = Non-powered 115v C.O. BR = Supply Air Smoke Detector									Fac	ctory Ins	stalled O	ptions		
A = Aluminum Fin /Copper Tubes Cond & Eva B = Precoat Aluminum/Copper Cond Coil C = E-Coated Cond Coil								Cond	enser /	Evapora	ator Coil	Configu	uration	
A = Standard Motor T = 2 Speed Indoor Fan VFD Controller (For 2	2-stage ι	units onl	y)									Moto	or Type (Option

RGS 072-180 MODEL NUMBER NOMENCLATURE

MODEL SERIES	R	G	S	0	9	0	н	D	Α	Α	0	A	A	A
Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
R = Rooftop														
G = Gas/Electric		Туре												
S = Standard DOE 2018/ASHRAE 90	.1 - 201	6 Eff	iciency											
089 = 90,000 BTUH = 7.5 Tons (1 circ 090 = 90,000 BTUH = 7.5 Tons (2 con 100 = 102,000 BTUH = 8.5 Tons (2 con 102 = 102,000 BTUH = 8.5 Tons (2 con 119 = 120,000 BTUH = 10 Tons (1 cir 120 = 120,000 BTUH = 10 Tons (2 con 150 = 150,000 BTUH = 12.5 Tons (2 con 180 = 180,000 BTUH = 15 Tons (2 con	mpress ircuit/tw ompress rcuit/two ompress compre	or) o stage sor) o stage (sor) ssor)	cooling)		oling Ca	apacity								
H = 208/230-3-60 L = 460-3-60 S = 575-3-60						Ņ	/oltage							
D = Low Heat, Aluminum Heat Excha E = Medium Heat, Aluminum Heat Excha F = High Heat, Aluminum Heat Excha S = Low Heat, Stainless Steel Heat E R = Med Heat, Stainless Steel Heat E T = High Heat, Stainless Steel Heat E	change Inger xchang Exchang	er er				Неа	ating Ca	pacity						
A = Standard Motor/Drive B = High Static Motor/Drive ¹ C = Medium Static Motor/Drive H = High Static Motor/Drive with Hot C	Gas Re-	Heat (o	n all size	es exce	ept 089, ⁻	100, 119)	Motor	Option					
A = None B = Low Leak Economizer w/Baromet E = Low Leak Economizer w/Baromet H = Low Leak Economizer w/Baromet L = Low Leak Economizer w/Baromet P = 2-Position Damper (non U.S. moo U = Temperature Ultra Low Leak Econom	tric relie tric relie ric relie dels only nomize	f and C f, Entha f and C y) r w/Barc	O ₂ Sens alpy Sen O ₂ Sens ometric r	sor, OA sor or, Ent elief	Temper		ensor	Outdo	oor Air C	ptions				
0A = No Options AT = Non-powered 115v Convenience 4B = Non-Fused Disconnect BB = Powered Convenience Outlet BR = Supply Air Smoke Detector BP = Return Air Smoke Detector AA = Easy Access Hinged Panels	e Outlet	:							Facto	ory Insta	alled O	ptions ²		
A = Aluminum/Copper Condenser and B = Precoat Alum/Cu Condenser and C = E-Coated Alum/Cu Condenser ar D = E-Coated Alum/Cu Condenser ar E = Cu/Cu Condenser and Alum/Cu E F = Copper/Copper Condenser and E	Alum/C nd Alum nd Evap Evapora	U Evap /CU Eva orator tor	orator			St	andard	Conde	nser/Ev	vaporato	or Coil	Configu	iration	
A = Single-Speed Indoor Fan Motor, B = Single-Speed Indoor Fan Motor, T = Two-Speed Indoor Motor Control	for W72	20 cont	trols	n U.S. r	nodels							Inde	oor Fan	Motor

¹ Not available for RGS089 units.
 ² Combinations of FIOPS are available. Contact your representative for details.

RGS 210-336 MODEL NUMBER NOMENCLATURE

MODEL SERIES	R	G	S	2	1	0	Н	D	А	В	0	А	А	А
Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
R = Rooftop														
A = Air Conditioning (Cooling Only)		,												
G = Gas/Electric		Туре												
S = Standard ASHRAE 90.1 - 2016			ı iciency											
210 = 210,000 = 17.5 Tons Dedicated Verti	cal SA/F	RA (SA =	- Supply	, Air. RA	= Retu	rn Air)								
240 = 240,000 = 20 Tons Dedicated Vertic.		-		,		,								
300 = 300,000 = 25 Tons Dedicated Vertic									-					
336 = 330,000 = 27.5 Tons Dedicated Vert	ical SA/	′RA	Nom	inal Co	olina C	apacity								
H = 208/230-3-60					<u>j</u> -		Į							
L = 460-3-60														
S = 575-3-60						、	/oltage		-					-
							Jilaye	J						
D = Low Heat E = Medium Heat														
F = High Heat														
S = Low Heat, Stainless Steel Heat Excha	•													
R = Medium Heat, Stainless Steel Heat Ex	-	r												
T = High Heat, Stainless Steel Heat Excha	-						ting Ca	pacity	ļ					
A = Standard Static Option (available in all				-		-								
B = High Static High Efficiency Option (ava					-		ו VFD)							
C = Medium Static Option (available in all s		0 - 336 a	and only	come v	vith VFC	D)				ļ	ļ	ļ	ļ	
H = High Static Motor with Hot Gas Rehea	t							Motor	Option					
A = None														
B = Economizer w/Bara-relief, OA Temp se	ensor													
$E = Economizer w/Bara-relief + CO_2 sense$	or, OA T	emp se	nsor											
H = Economizer w/Bara-relief, Enthalpy se	nsor													
L = Economizer w/Bara-relief + CO_2 senso														
U = Ultra Low Leak Temp Economizer w/B														
W = Ultra Low Leak Temp Enthalpy Econo	mizer w	/Bara-r	elief (2-s	speed in	door fa									
P = 2-Position damper						C	Outdoor	Air Op	tions / C	ontrol	ļ			
0A = No Options														
4B = Non-fused Disconnect														
AA = Hinged Access Panels														
AT = Non-powered 115v Convenience Out	let.													
BR = Supply Air Smoke Detector								Oth	er Facto	ry Insta	lled Op	tions ¹	ļ	
A = Alum / Cu Cond and Alum / Cu Evap														
B = Pre coated Alum / Cu Cond and Alum	/ Cu Ev	ар												
C = E-coated Alum / Cu Cond and Alum / C	Cu Evap	D												
D = E-coated Alum / E-coated Cu Cond an	d Alum	/ Cu Ev	ap											
E = Cu / Cu Cond and Alum / Cu Evap														
F = Cu / Cu Cond and Cu / Cu Evap									Co	oil Facto	ory Inst	alled O	ptions	
A = Standard Motor														
T = 2 Speed Indoor Fan VFD Controller (F	or 2-sta	age unit	s only)									Moto	r Type	Option
¹ A combination of FIOP's are available.														

¹A combination of FIOP's are available.

RHH MODEL NUMBER NOMENCLATURE

MODEL SERIES R R H O 7 2 H O A A O A A T Position Number 1 2 3 4 5 6 7 8 9 10 11 12 13 14 R = Rontop Type V V V V 8 9 10 11 12 13 14 R = Rontop Type V															
R = Roottop H = Heat Pump Type H = High Efficiency Efficiency Efficiency Figure 20072 = 72,000 = 6 tons (One Compressor, 1 - Stage Cooling) 773 = 73,000 = 6 tons (One Compressor, 2 - Stage Cooling) 773 = 73,000 = 6 tons (One Compressor, 2 - Stage Cooling) 102 = 102,000 = 3 tons (Two Compressor, 2 - Stage Cooling) 102 = 102,000 = 3 tons (Two Compressor, 2 - Stage Cooling) 102 = 102,000 = 4 3 tons (Two Compressor, 2 - Stage Cooling) 102 = 102,000 = 4 3 tons (Two Compressor, 2 - Stage Cooling) 102 = 102,000 = 1 tons (Two Compressor, 2 - Stage Cooling) 102 = 102,000 = 4 3 tons (Two Compressor, 2 - Stage Cooling) 102 = 102,000 = 4 3 tons (Two Compressor, 2 - Stage Cooling) 102 = 102,000 = 4 3 tons (Two Compressor, 2 - Stage Cooling) 102 = 102,000 = 4 3 tons (Two Compressor, 2 - Stage Cooling) 102 = 102,000 = 4 3 tons (Two Compressor, 2 - Stage Cooling) 102 = 102,000 = 4 3 tons (Two Compressor, 2 - Stage Cooling) 102 = 102,000 = 4 3 tons (Two Compressor, 2 - Stage Cooling) 102 = 102,000 = 4 3 tons (Two Compressor, 2 - Stage Cooling) 102 = 102,000 = 4 3 tons (Two Compressor, 2 - Stage Cooling) 102 = 102,000 = 4 3 tons (Two Compressor, 2 - Stage Cooling) 102 = 102,000 = 4 3 tons (Two Compressor, 2 - Stage Cooling) 103 = 5 tons (Two Compressor, 2 - Stage Cooling) 104 = 104 tong State with High Efficiency Motor (motor available on 10 ton on 2 speed VFD models) 105 = 100 tong (Two I 3 tong State VI A Transporter State Cooling Two I 3 tong State VI A Transporter State Cooling Two I 3 tong State VI A Transporter State Cooling Two I 3 tong State VI A Transporter State Cooling Two I 4 Cooling State VI A State Cooling Two I 4 Cooling State VI A Transporter State Cooling Two I 4 Cooling State VI A Transporter State Cooling Two I 4 Cooling State VI A Transporter State Cooling Two I 4 Cooling State VI A Transporter State Cooling Two I 4 Cooling State VI A Transporter State Cooling Two I 4 Cooling State VI A Transporter State Cooling Two I 4 Cooling State VI A Transporter Cooling Transporter Cooling Transporter Coolis 1 = Coonnati	MODEL SERIES	R	Н	Н	0	7	2	Н	0	Α	Α	0	Α	А	Т
H = Heat Pump Type H = Heigh Efficiency Efficiency 072 = 72,000 = 6 tons (One Compressor, 1-Stage Cooling) 073 = 73,000 = 6 tons (One Compressor, 2-Stage Cooling) 073 = 73,000 = 6 tons (One Compressor, 2-Stage Cooling) 102 = 102,000 = 10 tons (Two Compressor, 2-Stage Cooling) 120 = 120,000 = 10 tons (Two Compressor, 2-Stage Cooling) 120 = 120,000 = 10 tons (Two Compressor, 2-Stage Cooling) 120 = 120,000 = 10 tons (Two Compressor, 2-Stage Cooling) 120 = 120,000 = 10 tons (Two Compressor, 2-Stage Cooling) 120 = 120,000 = 10 tons (Two Compressor, 2-Stage Cooling) 120 = 120,000 = 10 tons (Two Compressor, 2-Stage Cooling) 120 = 120,000 = 10 tons (Two Compressor, 2-Stage Cooling) 120 = 120,000 = 10 tons (Two Compressor, 2-Stage Cooling) 120 = 120,000 = 0 tons (Two Compressor, 2-Stage Cooling) 120 = 100 Heat Heating Capacity + A = Standard Static Option – Belt Drive (B = 8.5 ton on 1 speed and 6 - 10 ton on 2 speed VFD models) C = Medium Static Option – Belt Drive (B = 8.5 ton on 1 speed and 6 - 10 ton only non VFD model only - 1 speed) Motor Options A = None B = Conomizer wil Barometric Relief , OA Temp Sensor H = Conomizer wil Barometric Relief , OA Temp Sensor H = Conomizer wil Barometric Relief , CoX Sensor, Champ Sensor H = Conomizer wil Barometric Relief , CoX Sensor, Champ Sensor H = Conomizer wil Barometric Relief , CoX Sensor, Champ Sensor H = Conomizer wil Barometric Relief , Champ Sensor H = Conomizer wil Barometric Relief , Enthalpy Sensor H = Conomizer wil Barometric Relief Relief , Da Temp Sensor H = Conomizer wil Barometric Relief Relief , Da Temp Sensor H = Conomizer wil Barometric Relief Relief , Da Temp Sensor H = Conomizer wil Barometric Relief Relief , Da Temp Sensor H = Conomizer wil Barometric Relief Relief , Da Temp Sensor H = Conomizer wil Barometric Relief Relief , Da Temp Sensor H = Conomizer wil Barometric Relief Relief , Da Temp Sensor H = Conomizer wil Barometric Relief Relief , Da Temp Sensor H = Conomizer wil Barometric Relief Relief , Da Temp Sensor	Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
H = High Efficiency Efficiency 072 = 72.000 = 6 tons (One Compressor, 1-Stage Cooling) 073 = 73.000 = 6 tons (One Compressor, 2-Stage Cooling) 073 = 73.000 = 6 tons (One Compressor, 2-Stage Cooling) 100 = 100.00 = 8.5 tons (Two Compressors, 2-Stage Cooling) 102 = 102.000 = 8.5 tons (Two Compressors, 2-Stage Cooling) 120 = 120.000 = 10 tons (Two Compressors, 2-Stage Cooling) 120 = 120.000 = 10 tons (Two Compressors, 2-Stage Cooling) 120 = 120.000 = 10 tons (Two Compressors, 2-Stage Cooling) 120 = 100.000 = 10 tons (Two Compressors, 2-Stage Cooling) 120 = 100.000 = 10 tons (Two Compressors, 2-Stage Cooling) 120 = 100.000 = 10 tons (Two Compressors, 2-Stage Cooling) 120 = 100.000 = 10 tons (Two Compressors, 2-Stage Cooling) 120 = 100.000 = 10 tons (Two Compressors, 2-Stage Cooling) 120 = 100.000 = 10 tons (Two Compressors, 2-Stage Cooling) 120 = 100.000 = 000 Voltage 0 = No Heat Heating Capacity * A = Standard Static Option – Belt Drive (8 & 5 ton on 1 speed and 6 - 10 ton on 2 speed VFD models) C = Medium Static Option – Belt Drive (8 & 5 ton on 1 speed and 6 - 10 ton on 2 speed VFD models) C = Medium Static Option – Belt Drive (8 & 5 ton on 1 speed and 6 - 10 ton on 12 speed VFD models) C = Medium Static Option – Belt Brive (3 to 10 tons, 3-Phase Only) E = High Static With High Efficiency Motor (motor available on 10 ton only non VFD model only - 1 speed) Motor Options A = None B = Economizer w/ Barometric Relief , OA Temp Sensor H = Economizer w/ Barometric Relief , OA Temp Sensor H = Conomizer w/ Barometric Relief , OA Temp Sensor H = Utura Low Leak Economizer w/ Barometric Relief , OA Temp Sensor H = Utura Low Leak Economizer w/ Barometric Relief , OA Temp Sensor H = Conomizer W/ Barometric Relief , OA Temp Sensor H = Conomizer W/ Barometric Relief , OA Temp Sensor H = Conomizer W/ Barometric Relief , OA Temp Sensor H = Conomizer W/ Barometric Relief , OA Temp Sensor H = Conomizer W/ Barometric Relief , DA Temp Sensor H = Conomizer W/ Barometric Relief , DA Temp Sensor H =	R = Rooftop														
A = 202,000 = 6 tons (One Compressor, 1-Stage Cooling) 073 = 73,000 = 6 tons (One Compressor, 2-Stage Cooling) 073 = 73,000 = 6 tons (One Compressor, 2-Stage Cooling) 073 = 73,000 = 8,5 tons (Two Compressors, 2-Stage Cooling) 102 = 102,000 = 8,5 tons (Two Compressors, 2-Stage Cooling) 102 = 102,000 = 0.0 tons (Two Compressors, 2-Stage Cooling) 102 = 102,000 = 0.0 tons (Two Compressors, 2-Stage Cooling) 104 = 400-3-60 2 = 575-3-60 0 = No Heat H = 208/230-3-60 2 = 402,000 = 8.5 tons (Two (Find S ton on 1 speed and 6 - 10 ton on 2 speed VFD models) C = Medium Static Option - Belt Drive (8 - 8.5 ton on 1 speed and 6 - 10 ton on 2 speed VFD models) C = Medium Static Option - Belt Drive (8 - 8.5 ton on 1 speed and 6 - 10 ton on 2 speed VFD models) C = Medium Static Option - Belt Drive (8 - 8.5 ton on 1 speed and 6 - 10 ton on 2 speed VFD models) E = Conomizer w Barometric Relief, OA Temp Sensor E = Conomizer w Barometric Relief, OA Temp Sensor E = Conomizer w Barometric Relief + CO ₂ Sensor, OA Temp Sensor P = Oreinon Zer w Barometric Relief, OA Temp Sensor W = Utra Low Leak Economizer w Barometric Relief, CA Temp Sensor W = Utra Low Leak Economizer w Barometric Relief, OA Temp Sensor W = Utra Low Leak Economizer w Barometric Relief, DA Temp Sensor W =	H = Heat Pump		Туре												
or3 = 73.000 = 6 tons (One Compressor, 2-Stage Cooling) 000 = 90,000 - 7.5 tons (Two Compressor, 2-Stage Cooling) 120 = 102,000 = 8.5 tons (Two Compressor, 2-Stage Cooling) 120 = 120,000 = 10 tons (Two Compressor, 2-Stage Cooling) 120 = 120,000 = 10 tons (Two Compressor, 2-Stage Cooling) 120 = 120,000 = 10 tons (Two Compressor, 2-Stage Cooling) 120 = 120,000 = 10 tons (Two Compressor, 2-Stage Cooling) 120 = 120,000 = 10 tons (Two Compressor, 2-Stage Cooling) 120 = 120,000 = 10 tons (Two Compressor, 2-Stage Cooling) 120 = 120,000 = 10 tons (Two Compressor, 2-Stage Cooling) 120 = 120,000 = 10 tons (Two Compressor, 2-Stage Cooling) 120 = 120,000 = 10 tons (Two Compressor, 2-Stage Cooling) 120 = 100 Heat Heating Capacity* A = Standard Static Option – Belt Drive (B = 6.8 ton on 1 speed and 6 - 10 ton on 2 speed VFD models) C = Medium Static Option – Belt Drive (B = 6.8 ton on 1 speed and 6 - 10 ton on 2 speed VFD models) C = Medium Static Option – Belt Drive (B = 6.8 ton on 1 speed and 6 - 10 ton on 2 speed VFD models) C = Medium Static Option – Belt Drive (G = 0.5 sensor, OA Temp Sensor E = Economizer w/ Barometric Relief, OA Temp Sensor E = Economizer w/ Barometric Relief + CO, Sensor, OA Temp Sensor E = Economizer w/ Barometric Relief + CO, Sensor, Chathalpy Sensor P = 2-Position Damper w/ Barometric Relief, Chathalpy Sensor P = Utra Low Leak Economizer w/ Barometric Relief, Chathalpy Sensor P = Utra Low Leak Economizer w/ Barometric Relief, Chathalpy Sensor P = Utra Low Leak Economizer w/ Barometric Relief, Chathalpy Sensor P = Utra Low Leak Economizer w/ Barometric Relief, Chathalpy Sensor P = 2-Position Damper w/ Barometric Relief, Chathalpy Sensor P = Coopark Universecondulet B = Return Air Smoke Detector CJ = Condensate Overflow Switch B = Provered Channeinar Coultet A = Sange Sheed Detector CJ = Condensate and Luminum / Copper Evaporator Colis E = Copper (Cooper Condenser and Evaporator Colis E = Copper (Cooper Condenser and Aluminum / Copper Evaporator Colis E = Copper (Co	H = High Efficiency		Effi	ciency											
L = 460-3-60 S = 575-3-60 Voltage 0 = No Heat A = Standard Static Option – Belt Drive B = High Static Option – Belt Drive (3 to 10 tons, 3-Phase Only) E = High Static Option – Belt Drive (3 to 10 tons, 3-Phase Only) E = High Static Option – Belt Drive (3 to 10 tons, 3-Phase Only) E = High Static Option – Belt Drive (3 to 10 tons, 3-Phase Only) Motor Options A = None B = Economizer w/ Barometric Relief, OA Temp Sensor E = Economizer w/ Barometric Relief + CO ₂ Sensor, OA Temp Sensor E = Economizer w/ Barometric Relief + CO ₂ Sensor, OA Temp Sensor E = Economizer w/ Barometric Relief + CO ₂ Sensor, CA Temp Sensor E = Economizer w/ Barometric Relief , Enthalpy Sensor U = Uthra Low Leak Economizer w/ Barometric Relief OA Temp Sensor M = Uthra Low Leak Economizer w/ Barometric Relief OA Temp Sensor M = Uthra Low Leak Economizer w/ Barometric Relief OA Temp Sensor M = Uthra Low Leak Economizer w/ Barometric Relief OA Temp Sensor M = Uthra Low Leak Economizer w/ Barometric Relief OA Temp Sensor M = Uthra Low Leak Economizer w/ Barometric Relief OA Temp Sensor M = Uthra Low Leak Economizer w/ Barometric Relief OA Temp Sensor M = Uthra Low Leak Economizer w/ Barometric Relief OA Temp Sensor M = Uthra Low Leak Economizer w/ Barometric Relief D = 0 to Marometric Relief D = 0 to Contenser and Aluminum / Copper Evaporator Colis D = -Coat Aluminum / Copper Condenser and Aluminum / Copper Evaporator Colis E = Cooper / Copper Condenser and Aluminum / Copper Evaporator Colis E = Cooper / Copper Condenser and Aluminum / Copper Evaporator Colis E = Cooper / Copper Condenser and Copper / Cooper Evaporator Colis E = Cooper / Copper	073 = 73,000 = 6 tons (One Compressor 090 = 90,000 = 7.5 tons (Two Compressor 102 = 102,000 = 8.5 tons (Two Compress	, 2–Sta ors, 2–S ors, 2–S	ige Coo Stage Co Stage C Stage Co	ling) ooling) ooling) ooling)	al Coo	ling Ca	pacity								
S = 575-3-60 Voltage Q = No Heat Heating Capacity* A = Standard Static Option – Belt Drive B = High Static Option – Belt Drive (6 - 8.5 ton on 1 speed and 6 - 10 ton on 2 speed VFD models) C = Medium Static Option – Belt Drive (10 tons, 3-Phase Only) E = High Static Option – Belt Drive (10 tons, 3-Phase Only) E = High Static Option – Belt Drive (3 to 10 tons, 3-Phase Only) E = High Static Option – Belt Drive (3 to 10 tons, 3-Phase Only) E = High Static Option – Belt Drive (3 to 10 tons, 3-Phase Only) E = Conomizer w/ Barometric Relief, OA Temp Sensor B = Economizer w/ Barometric Relief + CO: Sensor, OA Temp Sensor H = Economizer w/ Barometric Relief + CO: Sensor, OA Temp Sensor U = Ultra Low Leak Economizer w/ Barometric Relief, OA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, OA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, OA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, OA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, OA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, CA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, Enthalpy Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, OA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, CA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, OA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, OA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, OA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, CA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief / OC Sensor Coulter B = Return Air Smoke Detector B = Sourced Convenience Outlet B = Return Air Smoke Detector B = Return Air Smoke Detector B = Aluminum / Copper Condenser and Aluminum / Copper Evaporator Coils C = E-Coat Aluminum / Copper Condenser and Aluminum / Copper Evaporator Coils C = E-Coat Aluminum / Copper Condenser and Aluminum / Copper Evaporator Coils E = Coat Aluminum / Copper Condenser and Aluminum / Copper Evaporato															
D = No Heat Heating Capacity* A = Standard Static Option – Belt Drive B = High Static Option – Belt Drive (3 to 10 tons, 3-Phase Only) E = High Static with High Efficiency Motor (motor available on 10 ton only non VFD model only - 1 speed) Motor Options A = None B = Economizer w/ Barometric Relief , OA Temp Sensor E = Economizer w/ Barometric Relief + CO ₂ Sensor, OA Temp Sensor E = Economizer w/ Barometric Relief + CO ₂ Sensor, CA Temp Sensor E = Economizer w/ Barometric Relief + CO ₂ Sensor, CA Temp Sensor P = 2-Position Damper w/ Barometric Relief , Enthalpy Sensor P = 2-Position Damper w/ Barometric Relief, Enthalpy Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, Enthalpy Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, Enthalpy Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, Enthalpy Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, Enthalpy Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, Enthalpy Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, Enthalpy Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, Enthalpy Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, Enthalpy Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, Enthalpy Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, Enthalpy Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, Enthalpy Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, CA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, CA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, CA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, CA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, CA Temp Sensor C = Coat Aluminum / Copper Condenser and Aluminum / Copper Evaporator Coils D = E-Coat Aluminum / Copper Condenser and Aluminum / Copper Evaporator Coils D = E-Coat Aluminum / Copper Condenser and Aluminum / Copper Evaporator Coils E = Coapter / Copper Condenser and Aluminum / Copper Evapora							Ve	ltage							
A = Standard Static Option – Belt Drive B = High Static Option – Belt Drive (6 - 8.5 ton on 1 speed and 6 - 10 ton on 2 speed VFD models) C = Medium Static Option – Belt Drive (3 to 10 tons; 3-Phase Only) E = High Static with High Efficiency Motor (motor available on 10 ton only non VFD model only - 1 speed) Motor Options A = None B = Economizer w/ Barometric Relief , OA Temp Sensor E = Economizer w/ Barometric Relief + Co ₂ Sensor, OA Temp Sensor H = Economizer w/ Barometric Relief + CO ₂ Sensor, OA Temp Sensor H = Economizer w/ Barometric Relief + CO ₂ Sensor, CA Temp Sensor H = Economizer w/ Barometric Relief + CO ₂ Sensor, Enthalpy Sensor L = Economizer w/ Barometric Relief + CO ₂ Sensor, Enthalpy Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, OA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, OA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, A Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, OA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, OA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, CoA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, OA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, CoA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, CoA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, CoA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, CoA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief D = Powered Convenience Outlet B = Pre-Coat Aluminum / Copper Condenser and Aluminum / Copper Evaporator Coils D = E-Coat Aluminum / Copper Condenser and Aluminum / Copper Evaporator Coils D = E-Coat Aluminum / Copper Condenser and Aluminum / Copper Evaporator Coils D = E-Coat Aluminum / Copper Condenser and Aluminum / Copper Evaporator Coils D = E-Coat Aluminum / Copper Condenser and Aluminum / Copper Evaporator Coils D = E-Coat Aluminum / Copper Condenser and Aluminum / Copper Evaporator Coils									acity *						
B = Economizer w/ Barometric Relief, OA Temp Sensor E = Economizer w/ Barometric Relief + CO ₂ Sensor, OA Temp Sensor H = Economizer w/ Barometric Relief + CO ₂ Sensor, Enthalpy Sensor D = E-Conomizer w/ Barometric Relief + CO ₂ Sensor, Enthalpy Sensor P = 2-Position Damper w/ Barometric Relief, OA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, OA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, OA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, OA Temp Sensor W = Ultra Low Leak Economizer w/ Barometric Relief, Enthalpy Sensor Outdoor Air Options / Control OA = Standard AA = Easy Acess Hinged Panels AT = Unpowered Convenience Outlet BB = Non-Fused Disconnect Switch BB = Powered Convenience Outlet BP = Return Air Smoke Detector CJ = Condensate Overflow Switch BB = Pre-Coat Aluminum / Copper Condenser and Evaporator Coils B = Pre-Coat Aluminum / Copper Condenser and Aluminum / Copper Evaporator Coils C = E-Coat Aluminum / Copper Condenser and Aluminum / Copper Evaporator Coils D = E-Coat Aluminum / Copper Condenser and Aluminum / Copper Evaporator Coils E = Copper / Copper Condenser and Aluminum / Copper Evaporator Coils E = Copper / Copper Condenser and Aluminum / Copper Evaporator Coils E = Copper / Copper Condenser and Aluminum / Copper Evaporator Coils E = Copper / Copper Condenser and Copper / Copper Evaporator Coils E = Copper / Copper Condenser and Copper / Copper Evaporator Coils E = Copper / Copper Condenser and Copper / Copper Evaporator Coils E = Copper / Copper Condenser and Copper / Copper Evaporator Coils E = Single Speed Indoor Fan Motor, for W7212 controls B = Single Speed Indoor Motor Controller (VFD) - (2-Stage Units Only) Indoor Fan Motor Speed	E = High Static with High Efficiency Mot non VFD model only - 1 speed)					only		М	otor Oj	otions					
AA = Easy Acess Hinged Panels AT = Unpowered Convenience Outlet 4B = Non-Fused Disconnect Switch BB = Powered Convenience Outlet BP = Return Air Smoke Detector BR = Supply Air Smoke Detector CJ = Condensate Overflow Switch A = Aluminum / Copper Condenser and Evaporator Coils B = Pre-Coat Aluminum / Copper Condenser and Aluminum / Copper Evaporator Coils C = E-Coat Aluminum / Copper Condenser and E-Coat Aluminum / Copper Evaporator Coils D = E-Coat Aluminum / Copper Condenser and E-Coat Aluminum / Copper Evaporator Coils E = Copper / Copper Condenser and E-Coat Aluminum / Copper Evaporator Coils F = Copper / Copper Condenser and Copper / Copper Evaporator Coils F = Copper / Copper Condenser and Copper / Copper Evaporator Coils F = Copper / Copper Condenser and Copper / Copper Evaporator Coils F = Copper / Copper Condenser and Copper / Copper Evaporator Coils F = Copper / Copper Condenser and Copper / Copper Evaporator Coils F = Copper / Copper Condenser and Copper / Copper Evaporator Coils F = Copper / Copper Condenser and Copper / Copper Evaporator Coils F = Copper / Copper Condenser and Copper / Copper Evaporator Coils F = Copper / Copper Condenser and Copper / Copper Evaporator Coils F = Copper / Copper Condenser and Copper / Copper Evaporator Coils F = Topper / Copper Condenser and Copper / Copper Evaporator Coils F = Topper / Copper Condenser and Copper / Copper Evaporator Coils F = Topper / Copper Condenser and Copper / Copper Evaporator Coils F = Topper / Copper Condenser and Copper / Copper Evaporator Coils F = Topper / Copper Condenser and Copper / Copper Evaporator Coils F = Topper / Copper Condenser and Copper / Copper Evaporator Coils F = Topper / Copper Condenser and Copper / Copper Evaporator Coils F = Topper / Copper Condenser and Copper / Copper Evaporator Coils F = Topper / Copper Condenser and Copper / Copper Evaporator Coils F = Topper / Copper Condenser and Copper / Copper Evaporator Coils F = Topper / Copper Evaporator Coils F = Topper / Copper Condenser and	B = Economizer w/ Barometric Relief, O, E = Economizer w/ Barometric Relief + (H = Economizer w/ Barometric Relief, Er L = Economizer w/ Barometric Relief + CC P = 2-Position Damper w/ Barometric R U = Ultra Low Leak Economizer w/ Barom	CO ₂ Se nthalpy D ₂ Sens elief metric F	nsor, O Sensor or, Enth Relief, O	A Temp nalpy Se A Temp	ensor Senso	r	Outo	loor Aiı	^r Optior	ns / Cor	ntrol				
B = Pre-Coat Aluminum / Copper Condenser and Aluminum / Copper Evaporator Coils C = E-Coat Aluminum / Copper Condenser and Aluminum / Copper Evaporator Coils D = E-Coat Aluminum / Copper Condenser and E-Coat Aluminum / Copper Evaporator Coils E = Copper / Copper Condenser and Aluminum / Copper Evaporator Coils F = Copper / Copper Condenser and Copper / Copper Evaporator Coils A = Single Speed Indoor Fan Motor, for W7212 controls B = Single Speed Indoor Fan Motor, for W7220 controls T = Two Speed Indoor Motor Controller (VFD) – (2-Stage Units Only) Indoor Fan Motor Speed	AA = Easy Acess Hinged Panels AT = Unpowered Convenience Outlet 4B = Non-Fused Disconnect Switch BB = Powered Convenience Outlet BP = Return Air Smoke Detector BR = Supply Air Smoke Detector								F	actory	-Instal	lled Op	tions*		
B = Single Speed Indoor Fan Motor, for W7220 controls T = Two Speed Indoor Motor Controller (VFD) - (2-Stage Units Only) Indoor Fan Motor Speed	B = Pre-Coat Aluminum / Copper Conder C = E-Coat Aluminum / Copper Conder D = E-Coat Aluminum / Copper Conder E = Copper / Copper Condenser and Alu	enser a ser and ser and uminum	nd Alun d Alumir d E–Coa d / Copp	ninum / num / C at Alumi er Evap	opper E inum / C oorator	Evapora Copper Coils	tor Coil	s ator Coi		er / Eva	porato	r Coil (Configu	ration	
* See RHH 6 to 10 ton Product Specification for details.	B = Single Speed Indoor Fan Motor, for V T = Two Speed Indoor Motor Controller (V7220 VFD) –	controls (2-Sta	s ge Units	s Only)							Indo	oor Fan	Motor	Speed

* See RHH 6 to 10 ton Product Specification for details.

RHS 090-150 MODEL NUMBER NOMENCLATURE

MODEL SERIES	R	Н	S	0	9	0	Н	0	Α	Α	0	A	А	Т
Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
R = Rooftop														
H = Heat Pump		Туре												
S = Standard DOE/ASHRAE 90.1 Effi	ciency	Effi	ciency											
090 = 7.5 Tons (2 compressor/two sta 102 = 8.5 Tons (2 compressor/two sta 120 = 10 Tons (2 compressor/two sta 150 = 12.5 Tons (2 compressor/two s	age coo ge cool	ling) ing)	Nom	nal Co	oling C	apacity								
H = 208/230-3-60 L = 460-3-60 S = 575-3-60						v	oltage							
0 = No Heat						Неа	ating Ca	ipacity						
A = Standard Motor/Drive B = High Static Motor/Drive C = Medium Static Motor/Drive E = High Static - High Efficiency Moto	or/Drive							Motor	Option					
B = Low Leak Economizer w/Baromet E = Low Leak Economizer w/Baromet H = Low Leak Economizer w/Baromet L = Low Leak Economizer w/Baromet P = 2-Position Damper U = Temperature Ultra Low Leak Econom W = Enthalpy Ultra Low Leak Econom	tric relie tric relie ric relie nomize	f and C f, Entha f and C r w/Barc	O ₂ Sens Ilpy Sen O ₂ Sens	or, OA sor or, Entl elief	Temper		ensor	Outdo	oor Air C	options				
0A = Standard (no options) AT = Un-Powered Convenience Outlet 4B = Non-Fused Disconnect Switch BB = Powered Convenience Outlet BR = Supply Air Smoke Detector BP = Return Air Smoke Detector AA = Easy Access Hinged Panels	et								Facto	ory Insta	alled Op	otions ¹		
A = Aluminum/Copper Condenser and B = Precoat Alum/Cu Condenser and C = E-Coated Alum/Cu Condenser ar D = E-Coated Alum/Cu Condenser ar E = Cu/Cu Condenser and Alum/Cu E F = Copper/Copper Condenser and E	Alum/C nd Alum nd Evap Evapora	Cu Evap /Cu Eva orator tor	orator			Sta	ndard (Conden	ser / Ev	vaporato	or Coil (Configu	iration	
A = Single-Speed Indoor Fan Motor, B = Single-Speed Indoor Fan Motor, T = Two-Speed Indoor Motor Control	for W72	220 cont	rols	ı U.S. n	nodels							Indo	oor Fan	Motor

¹ Not all combinations of factory installed options are available. Contact your sales representative for details.

RHS 181-243 MODEL NUMBER NOMENCLATURE

MODEL SERIES	R	Н	S	1	8	1	Н	0	А	В	0	А	А	А
Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
R = Rooftop														
H = Heat Pump		Туре												
S = Standard ASHRAE 90.1-2016 Efficien	су	Effic	iency											
181 = 181,000 = 15 Tons Dedicated Vertic	al SA/F	RA (SA :	= Supply	/ Air, RA	A = Retu	rn Air)								
183 = 180,000 = 15 Tons Dedicated Horiz	ontal S/	4/RA												
240 = 240,000 = 20 Tons Dedicated Vertic	al SA/F	RA												
243 = 240,000 = 20 Tons Dedicated Horiz	ontal S/	4/RA												
			Nom	inal Co	oling Ca	apacity								
H = 208/230-3-60														
L = 460-3-60														
S = 575-3-60						Vo	ltage							
0 = No Heat														
						Heat	ting Ca	pacity						
A = Standard Option (not available on hori	zontal 2	243 unit)											
B = High Static Option (2-Speed IFM)														
C = Medium Static Motor (2-Speed IFM)														
								Motor C	ption					
A = None B = Economizer w/Baro-relief, OA Temp s	oncor													
E = Economizer w/Baro-relief + CO ₂ senso		omn sa	nsor											
H = Economizer w/Baro-relief, Enthalpy se		emp se	11301											
L = Economizer w/Baro-relief + CO_2 senso		alov sen	sor											
U = Ultra Low Leak Temp Economizer w/E														
W = Ultra Low Leak Enthalpy Economizer														
P = 2-Position damper w/Baro-relief						Ou	tdoor A	Air Opti	ons / Co	ontrol				
0A = No Options											,	l		
4B = Non-fused Disconnect														
AT = Non-powered 115v Convenience Ou	tlet													
AA = Hinged Access Panels														
BR = Supply Air Smoke Detector														
									Fact	ory Ins	talled C	ptions		
A = Standard - Alum. Fin / Copper Tubes,	Conder	nser & E	vap											
B = Pre-coated Alum. Fin / Copper Tubes	Conder	nser Coi	ls, Stan	dard Ev	ap. Coil									
C = E-Coated Alum. Fin / Copper Tubes C	ondens	er Coils	, Stand	ard Eva	p. Coil									
D = E-Coated Alum. Fin / Copper Tubes C	ondens	er & Ev	ap. Coil	s										
E = Copper Fin / Copper Tube Condenser	Coils, S	Standar	d Evap.	Coil										
F = Copper Fin / Copper Tube Condense	& Eva	p Coils						Conden	ser / E	/aporat	or Coil	Configu	uration]
A = Standard Motor														

CAS MODEL NUMBER NOMENCLATURE

Position Number 1 2 3 4 5 6 7 8 9 10 11 12 13 14 C = R-410A Condensing Unit A 5 6 7 8 9 10 11 12 13 14 C = R-410A Condensing Unit A 5 6 7 8 9 10 11 12 13 14 A = Air Conditioning (Cooling Only) Type File 6 7 8 9 10 11 12 13 14 A = Air Conditioning (Cooling Only) Type Efficiency File 6 7 8 9 10 11 12 13 14 071 = 71,000 BTUH = 10 Tons (1 circuit) Efficiency File File 10 11 12 13 14 151 = 148,000 BTUH = 12 Tons (1 circuit) Efficiency Nominal Cooling Capacity File 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14	MODEL SERIES	С	A	S	0	9	1	Н	Α	Α	0	A	0	0	Α
A = Air Conditioning (Cooling Only) Type S = Standard ASHRAE 90.1-2016 Efficiency 072 = 71,000 BTUH = 6 Tons 091 = 92,000 BTUH = 7.5 Tons (1 circuit) 120 = 117,000 BTUH = 10 Tons (2 circuit) 121 = 117.000 BTUH = 10 Tons (2 circuit) 150 = 148,000 BTUH = 12.5 Tons (2 circuit) 151 = 148,000 BTUH = 15.5 Tons (2 circuit) 151 = 148,000 BTUH = 15 Tons (2 circuit) 151 = 148,000 BTUH = 15 Tons (2 circuit) 124 = 240,000 BTUH = 15 Tons (2 circuit) 124 = 240,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (1 circuit) 241 = 240,000 BTUH = 20 Tons (1 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) B = Single Circuit B B = Single Circuit W Low Ambient Control G = Single Circuit W Low Ambient Control G = Single Circuit 2 Stage (072 & 091 models only) H = Single Circuit 2 Stage (072 & 091 models only) Refrigerant System Options A = Cu/AI Cond. Round Tube Plate Fin Coil B = Precoat AI/Cu Cond. Round Tube Plate Fin Coil B = Precoat AI/Cu Cond. Round Tube Plate Fin Coil C = E-Coil Could Round Tube Plate Fin Coil B = Cu/Cu Cond. Round Tube Plate Fin Coil C = E-Coil AI/Cu Cond. Round Tube Plate Fin Coil C = E-Coil AI/Cu Cond. Round Tube Plate Fin Coil C = E-Coil Coile Coil	Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
S = Standard ASHRAE 90.1-2016 Efficiency 072 = 71,000 BTUH = 6 Tons 091 = 92,000 BTUH = 7.5 Tons (1 circuit) 120 = 117,000 BTUH = 10 Tons (2 circuit) 121 = 117,000 BTUH = 10 Tons (2 circuit) 151 = 148,000 BTUH = 12.5 Tons (2 circuit) 156 = 148,000 BTUH = 15 Tons (2 circuit) 151 = 148,000 BTUH = 15 Tons (2 circuit) 151 = 148,000 BTUH = 15 Tons (2 circuit) 158 = 180,000 BTUH = 15 Tons (2 circuit) 181 = 180,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (1 circuit) 188 = Single Circuit B Single Circuit W Low Ambient Control D = Dual Circuit W Low Ambient Control D = Dual Circuit W Low Ambient Control B Single Circuit 2 Stage (072 & 091 models only) H = Single Circuit 2 Stage (VLow Ambient Control (072 & 091 models only) Refrigerant System Options A = Cu/Al Cond. Round Tube Plate Fin Coil B = Precoat Al/Cu Cond. Round Tube Plate Fin Coil E = Cu/Cu Cond. Round Tube Plate Fin Coil E = Cu/Cu Cond. Round Tube Plate Fin Coil E = Cu/Cu Cond. Round Tube Plate Fin Coil E = None <t< td=""><td>C = R-410A Condensing Unit</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	C = R-410A Condensing Unit														
S = Standard ASHRAE 90.1-2016 Efficiency 072 = 71,000 BTUH = 6 Tons 091 = 92,000 BTUH = 7.5 Tons (1 circuit) 120 = 117,000 BTUH = 10 Tons (2 circuit) 121 = 117,000 BTUH = 10 Tons (1 circuit) 121 = 117,000 BTUH = 10 Tons (2 circuit) 151 = 148,000 BTUH = 12.5 Tons (1 circuit) 150 = 148,000 BTUH = 12.5 Tons (1 circuit) 181 = 180,000 BTUH = 15 Tons (2 circuit) 184 = 180,000 BTUH = 12 Tons (2 circuit) 184 = 240,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (1 circuit) 240 = 240,000 BTUH = 20 Tons (1 circuit) 241 = 240,000 BTUH = 20 Tons (1 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 12 Tons (2 circuit) 241 = 240,000 BTUH = 12 Tons (2 circuit) Basingle Circuit 2 Stage (072 & 091 models only) H = Single Circuit 2 Stage (072 & 091 models only) H = Single Circuit 2 Stage (072 & 091 models only) H = Single Ci	A = Air Conditioning (Cooling Onl	y)	Туре												
072 = 71,000 BTUH = 6 Tons 091 = 92,000 BTUH = 17.5 Tons (1 circuit) 120 = 117,000 BTUH = 10 Tons (2 circuit) 121 = 117,000 BTUH = 10 Tons (2 circuit) 121 = 117,000 BTUH = 12.5 Tons (2 circuit) 155 = 148,000 BTUH = 12.5 Tons (2 circuit) 156 = 148,000 BTUH = 12.5 Tons (1 circuit) 180 = 180,000 BTUH = 12.5 Tons (1 circuit) 181 = 180,000 BTUH = 15 Tons (1 circuit) 181 = 180,000 BTUH = 20 Tons (2 circuit) 181 = 180,000 BTUH = 20 Tons (1 circuit) 240 = 240,000 BTUH = 20 Tons (1 circuit) 240 = 240,000 BTUH = 20 Tons (1 circuit) 241 = 240,000 BTUH = 20 Tons (1 circuit) 241 = 240,000 BTUH = 20 Tons (1 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) Paise Single Circuit # B Single Circuit # Nominal Cooling Capacity H = 208/230-3-60 L L = 460-3-60 Service Options A = Single Circuit # Service Options A = Cu/Al Cond. Round Tube Plate Fin Coil	S = Standard ASHRAE 90.1-2016			1											
091 = 92,000 BTUH = 7.5 Tons (1 circuit) 120 = 117,000 BTUH = 10 Tons (2 circuit) 121 = 117,000 BTUH = 10 Tons (2 circuit) 150 = 148,000 BTUH = 12.5 Tons (2 circuit) 151 = 148,000 BTUH = 12.5 Tons (1 circuit) 180 = 180,000 BTUH = 15 Tons (1 circuit) 181 = 180,000 BTUH = 15 Tons (1 circuit) 240 = 240,000 BTUH = 20 Tons (1 circuit) 241 = 240,000 BTUH = 20 Tons (1 circuit) 242 = 240,000 BTUH = 20 Tons (1 circuit) 241 = 240,000 BTUH = 20 Tons (1 circuit) 242 = 240,000 BTUH = 20 Tons (1 circuit) 241 = 240,000 BTUH = 20 Tons (1 circuit) 242 = 240,000 BTUH = 20 Tons (1 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) Pail = 180,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) Pail = 180,000 BTUH = 20 Tons (2 circuit) Pail = 208/230-3-60 L = 460-3-60 S = 575.3-80 Voltage A = Single Circuit B = Single Circuit W Low Ambient Control D = Dual Circuit B = Direcot Al/Cu Cond. Round Tube Plate Fin Coil C = E-Cot Al/Cu Cond. Round Tube Plate Fin Coil C = E-Cu/Cu Cond. Round Tube Plate Fin Coil C = Non-Fuseed Disconnect Switch <t< td=""><td></td><td></td><td>Effici</td><td>ency</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>			Effici	ency											
091 = 92,000 BTUH = 7.5 Tons (1 circuit) 120 = 117,000 BTUH = 10 Tons (2 circuit) 121 = 117,000 BTUH = 10 Tons (2 circuit) 150 = 148,000 BTUH = 12.5 Tons (2 circuit) 151 = 148,000 BTUH = 12.5 Tons (1 circuit) 180 = 180,000 BTUH = 15 Tons (1 circuit) 181 = 180,000 BTUH = 15 Tons (1 circuit) 240 = 240,000 BTUH = 20 Tons (1 circuit) 241 = 240,000 BTUH = 20 Tons (1 circuit) 242 = 240,000 BTUH = 20 Tons (1 circuit) 241 = 240,000 BTUH = 20 Tons (1 circuit) 242 = 240,000 BTUH = 20 Tons (1 circuit) 241 = 240,000 BTUH = 20 Tons (1 circuit) 242 = 240,000 BTUH = 20 Tons (1 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) Pail = 180,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) Pail = 180,000 BTUH = 20 Tons (2 circuit) Pail = 208/230-3-60 L = 460-3-60 S = 575.3-80 Voltage A = Single Circuit B = Single Circuit W Low Ambient Control D = Dual Circuit B = Direcot Al/Cu Cond. Round Tube Plate Fin Coil C = E-Cot Al/Cu Cond. Round Tube Plate Fin Coil C = E-Cu/Cu Cond. Round Tube Plate Fin Coil C = Non-Fuseed Disconnect Switch <t< td=""><td>072 = 71.000 BTUH = 6 Tons</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	072 = 71.000 BTUH = 6 Tons														
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151 = 148,000 BTUH = 12.5 Tons (1 circuit) 180 = 180,000 BTUH = 15 Tons (2 circuit) 181 = 180,000 BTUH = 15 Tons (2 circuit) 181 = 180,000 BTUH = 20 Tons (2 circuit) 240 = 240,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) Winter 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (2 circuit) Winter 20 Tons (2 circuit) Part 208/230-3-60 L = 460-3-60 Single Circuit B = Single Circuit B = Single Circuit B = Single Circuit W/Low Ambient Control D = Dual Circuit w/Low Ambient Control G = Single Circuit 2 Stage (072 & 091 models only) H = Single Circuit 2 Stage (072 & 091 models only) Refrigerant System Options A = Cu/Al Cond. Round Tube Plate Fin Coil B = Precoat Al/Cu Cond. Round Tube Plate Fin Coil C = E-Cu/Cu Cond. Round Tube Plate Fin Coil B = Precoat Al/Cu Cond. Round Tube Plate Fin Coil B = None 1 = Non-powered 115v Convenience Outlet Service Options 0 = Standard Electro-Mechanical Control Base Unit Controls 0 = No options, reserved for future use			,												
180 = 180,000 BTUH = 15 Tons (2 circuit) 181 = 180,000 BTUH = 15 Tons (1 circuit) 240 = 240,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (1 circuit) Nominal Cooling Capacity H = 208/230-3-60 L = 460-3-60 S = 575-3-60 Voltage A = Single Circuit B = Single Circuit W/ Low Ambient Control D = Dual Circuit E = Dual Circuit W/ Low Ambient Control G = Single Circuit 2 Stage (072 & 091 models only) H = Single Circuit 2 Stage (072 & 091 models only) Refrigerant System Options A = Cu/Al Cond. Round Tube Plate Fin Coil C = E-Coat Al/Cu Cond. Round Tube Plate Fin Coil E = Cou/Cu Cond. Round Tube Plate Fin Coil E = Cou/Cu Cond. Round Tube Plate Fin Coil E = Cou/Cu Cond. Round Tube Plate Fin Coil C = None 1 = Non-powered 115v Convenience Outlet Service Options A = None C = Non-Fused Disconnect Switch Electrical Options 0 = None tircuit Base Unit Control 0 = None tircuit State Control 0 = None tircuit State Control 0 = None tircuit Control		•													
181 = 180,000 BTUH = 15 Tons (1 circuit) 240 = 240,000 BTUH = 20 Tons (2 circuit) 241 = 240,000 BTUH = 20 Tons (1 circuit) Nominal Cooling Capacity H = 208/230-3-60 L = 460-3-60 S = 575-3-60 Voltage A = Single Circuit B = Single Circuit w/ Low Ambient Control D = Dual Circuit w/ Low Ambient Control G = Single Circuit 2 Stage (072 & 091 models only) H = Single Circuit 2 Stage (072 & 091 models only) Refrigerant System Options A = Cu/Al Cond. Round Tube Plate Fin Coil C = Cocat Al/Cu Cond. Round Tube Plate Fin Coil E = Cu/Cu Cond. Round Tube Plate Fin Coil E = Cu/Cu Cond. Round Tube Plate Fin Coil E = Cu/Cu Cond. Round Tube Plate Fin Coil E = Cu/Cu Cond. Round Tube Plate Fin Coil C = Non-Fused Disconnect Switch A = None C = Non-Fused Disconnect Switch Electrical Options 0 = No options, reserved for future use 0 = No options, reserved for future use		•	,												
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H = Single Circuit 2 Stage w/ Low Ambient Control (072 & 091 models only) Refrigerant System Options A = Cu/Al Cond. Round Tube Plate Fin Coil B = Precoat Al/Cu Cond. Round Tube Plate Fin Coil C = E-Coat Al/Cu Cond. Round Tube Plate Fin Coil E = Cu/Cu Cond. Round Tube Plate Fin Coil 0 = None 1 = Non-powered 115v Convenience Outlet Service Options 0 = Standard Electro-Mechanical Control 0 = No options, reserved for future use				only)											
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B = Precoat Al/Cu Cond. Round Tube Plate Fin Coil C = E-Coat Al/Cu Cond. Round Tube Plate Fin Coil B = Ourcu Cond. Round Tube Plate Fin Coil O = None 1 = Non-powered 115v Convenience Outlet A = None C = Non-Fused Disconnect Switch B = Standard Electro-Mechanical Control B = No options, reserved for future use Future Use					•										
C = E-Coat Al/Cu Cond. Round Tube Plate Fin Coil Outdoor Coil Options E = Cu/Cu Cond. Round Tube Plate Fin Coil Outdoor Coil Options 0 = None 1 = Non-powered 115v Convenience Outlet 1 = Non-powered 115v Convenience Outlet Service Options A = None Electrical Options 0 = Standard Electro-Mechanical Control Base Unit Controls 0 = No options, reserved for future use Future Use	A = Cu/Al Cond. Round Tube Plat	te Fin	Coil												
E = Cu/Cu Cond. Round Tube Plate Fin Coil Outdoor Coil Options 0 = None 1 = Non-powered 115v Convenience Outlet 1 = None Service Options A = None Electrical Options 0 = Standard Electro-Mechanical Control Base Unit Controls 0 = No options, reserved for future use Future Use	B = Precoat Al/Cu Cond. Round T	ube P	Plate Fi	n Coil											
0 = None 1 = Non-powered 115v Convenience Outlet A = None C = Non-Fused Disconnect Switch Electrical Options 0 = Standard Electro-Mechanical Control Base Unit Controls 0 = No options, reserved for future use Future Use	C = E-Coat Al/Cu Cond. Round 1	ube F	Plate Fi	in Coil											
1 = Non-powered 115v Convenience Outlet Service Options A = None Electrical Options C = Non-Fused Disconnect Switch Electrical Options 0 = Standard Electro-Mechanical Control Base Unit Controls 0 = No options, reserved for future use Future Use	E = Cu/Cu Cond. Round Tube Pla	ate Fin	Coil				Outdo	or Co	il Opt	ions					
1 = Non-powered 115v Convenience Outlet Service Options A = None Electrical Options C = Non-Fused Disconnect Switch Electrical Options 0 = Standard Electro-Mechanical Control Base Unit Controls 0 = No options, reserved for future use Future Use	0 = None														
C = Non-Fused Disconnect Switch Electrical Options 0 = Standard Electro-Mechanical Control Base Unit Controls 0 = No options, reserved for future use Future Use	1 = Non-powered 115v Convenier	nce O	utlet						Servio	ce Opt	ions				
0 = Standard Electro-Mechanical Control Base Unit Controls 0 = No options, reserved for future use Future Use	A = None														
0 = No options, reserved for future use Future Use	C = Non-Fused Disconnect Switc	h							Ele	ectrica	l Opti	ons			
	0 = Standard Electro-Mechanical	Contro	ol							Ba	se Uni	it Con	trols		
A = Original Design Sales Digit	0 = No options, reserved for futur	e use											Future	Use	
	A = Original Design													Sales	Digit

CHS MODEL NUMBER NOMENCLATURE

MODEL SERIES	С	Н	S	0	9	1	Н	Α	Α	0	Α	0	0	Α
Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
C = R-410A Condensing Unit														
		_												
H = Heat Pump		Туре												
S = Standard ASHRAE 90.1 -2016		Effici	ency											
072 = 6 Tons (Single Compressor)														
091 = 7.5 Tons (Single Compressor)														
121 = 10 Tons (Single Compressor)														
180 = 15 Tons (Dual Compressor)														
240 = 20 Tons (Dual Compressor)														
		Nor	ninal (Coolir	ig Cap	acity								
H = 208/230-3-60							-							
L = 460-3-60														
S = 575-3-60						Vo	ltage							
A = Single Circuit								ſ						
B = Single Circuit w/ Low Ambient Co	ontrol													
D = Dual Circuit														
E = Dual Circuit w/ Low Ambient Cor	ntrol													
G = Single Circuit, 2-stage (072, 091	, 120 i	models	s only)											
H = Single Circuit, 2-stage w/ Low Ar	nbient	t Contr	ol (072	2, 091,	120 n	nodels	only)							
				Refrig	gerant	Syste	em Op	tions	ļ					
A = Standard Al Fin / Copper Tube														
B = Pre-Coated Al Fin / Copper Tube	e													
C = E-Coat Al Fin / Copper Tube						Outd	oor Co	oil Op	tions]				
0 = None														
1 = Non-powered 115v Convenience	Outle	t						Servio	e Opt	tions	ļ			
A = None														
C = Non-Fused Disconnect								E	lectric	cal Op	tions	J		
0 = Standard Electrical Mechanical								. <u></u>	Ba	ase Ur	nit Cor	ntrols	J	
0 = No Options												Futur	e Use	J
A = Original Design														

FAS MODEL NUMBER NOMENCLATURE

MODEL SERIES	F	Α	S	0	9	1	М	Α	A	Α	0	Α	0	А
Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
F = R-410A Fan Coil Unit										_				
A = Air Conditioning (Cooling Only)		Туре												
S = Standard Efficiency		Effic	iency											
072 = 6 Tons (1 circuit) 091 = 7.5 Tons (1 circuit) 120 = 10 Tons (2 circuit) 150 = 12.5 Tons (2 circuit) 180 = 15 Tons (2 circuit) 240 = 20 Tons (2 circuit) 300 = 25 Tons (2 circuit) 336 = 30 Tons (2 circuit)				Nomii	nal Tor	nnage								
K = 202/220 1 60 (available on 6 and 7.5 top c	n hu)			-		- J -]							
K = 208/230 - 1 - 60 (available on 6 and 7.5 ton c	niiy)													
H = 208/230 - 3 - 60														
M = 460/208/230-3-60														
L = 460 - 3 - 60														
S = 575–3–60						Vo	ltage							
 A = Standard Static Standard Efficiency Motor / • 6 to 15 ton 208/230v, 460v, 575v-3-60, 6 a • all 2-speed B = High Static Standard Efficiency Motor / High • 6 to 15 ton 208/230V, 460v, 6 to 10 ton 57 	and 7.5 n Drive	5 ton 20)8/230-	1-60, 1	-speed	ł								
• all 2-speed	JV-J-C	iu, i-sp	leeu											
D = Standard Static High Efficiency Motor / Star • 20, 25, 30 ton all 3 phase	ndard [Drive												
E = High Static High Efficiency Motor / High Driv	ve													
• 15 to 30 ton all 3 phase					I	Fan Mo	otor Op	otions						
A = Cu/Al								Indooi	Coil					
A = Future Use									Future	e Use				
0 = Single Speed Indoor Fan Motor														
2 = Two Speed Indoor Fan Motor Controller (VF	D)							Fan	Speed	I Conti	oller			
A = Standard - Unpainted														
B = Painted cabinet (Gray)									Painte	d Cabi	net Op	otions		
0 = Future Use												Futur	e Use	
A = Standard														

Notes:

All FAS072-150 units with a "M" voltage designation are triple voltage; i.e., 208/230/460-3-60.
 FAS 180 units are also triple voltage in the "M" configuration unless the High Static motor option is used.
 "M" voltage is not available on 2-speed indoor fan motor option.

2. Single-phase 072 and 091 units designate standard motor and high static drive.

FHS MODEL NUMBER NOMENCLATURE

MODEL SERIES	F	Н	S	0	9	1	Μ	Α	Α	Α	0	Α	0	Α
Position Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
F = R-410A Fan Coil Unit														
H = Heat Pump		Туре												
S = Standard Efficiency		Effic	iency											
072 = 6 Tons (1 circuit)				-	•									
091 = 7.5 Tons (1 circuit)														
120 = 10 Tons (2 circuit)														
180 = 15 Tons (2 circuit)														
240 = 20 Tons (2 circuit)				Nomir	nal Ton	nage								
K = 208/230-1-60 (6 and 7.5 ton only)														
H = 208/230-3-60														
M = 460/208/230-3-60														
L = 460-3-60														
S = 575-3-60						Vo	ltage							
A = Standard Static Standard Efficier	ncy Mo	otor / St	andar	d Drive	!									
B = High (Alternate) Static Standard E High (Alternate) Static High A Effic	Efficien ciency	cy Mot Motor/	or / High I	gh Driv Drive (*	re (072 120, 18	& 091 0, 240	Only) Only)							
D = Standard Static High Efficiency N	/lotor /	Standa	ard Dri	ve										
E = High Static High Efficiency Motor	· / High	n Drive			Fa	n Mot	or Opt	ions						
A = Al/Cu								Indoo	r Coil					
A = Future Use										r				
0 = Single Speed Indoor Fan Motor														
2 = Two Speed Indoor Fan Motor Cont	roller (VFD)						Fan	Speed	d Cont	roller			
A = Standard – Unpainted														
B = Painted cabinet (Gray)									Painte	d Cabi	net Op	otions		
0 = Future use												Futur	e Use	
A = Standard														

Single phase FHS072-091 units designate standard motor and high static drive.

All FHS072-120 with a "M" voltage designation are triple voltage; i.e., 208/230/460-3-60. "M" voltage is not available on 2-speed indoor fan motor option.

SMALL PACKAGE PRODUCTS 3-5 Ton THREE PHASE

PAR5

UP to 16 SEER, UP to 12.5 EER, PACKAGE AIR CONDITIONING UNITS, 2 – 5 TONS

208/230 Volt, 1-phase, 60 Hz 208/230 Volt, 3-phase, 60 Hz REFRIGERATION CIRCUIT

- · Environmentally balanced R-410A refrigerant
- Copper tube/aluminum fin condenser and evaporator coils
- Tin-coated copper evaporator coil standard (single-phase only)
- Enhanced dehumidificaton feature on high stage cooling with use of a dehumidistat
- Two stage scroll compressors standard on all models
 EASY TO INSTALL AND SERVICE
- · Installs easily on a rooftop or at ground level
- · Easy three-panel accessibility for maintenance and installation
- · Easily converts to down discharge applications

BUILT TO LAST

- · Hail guard (3/8-in. spacing) wire grilles standard
- · Multi-speed ECM blower motor standard on all models
- Pre-painted steel cabinet
- · Vertical condenser fan discharge
- · Full perimeter steel base rails
- High and low pressure switches provide added reliability for the compressor
- Cabinet air leakage of 2.0% or less at 0.5 in. W.C. when tested in accordance with ASHRAE standard 193
- Single and 3-phase models with factory installed option for low cabinet air leakage and tin-coated copper evaporator main tubes (LC)

Single phase models with factory installed hail guard (3/8-in. spacing) wire grilles plus tin-coated copper evaporator coil (TP)

(Models with factory installed options are identified with letters in the 11th and 12th positions in the model number)

LIMITED WARRANTY*

Single Phase PAR5 Models

- 5 year No Hassle Replacement limited warranty
- · 5 year parts limited warranty (including compressor and coils)
- With timely registration, an additional 5 year parts limited warranty (including compressor and coils)

3-Phase PAR5 Models

- 5 year parts limited warranty (including compressor and coils)
- * For residential applications only. See warranty certificate for
- complete details and restrictions, including warranty coverage for other applications.

UNIT PERFORMANCE DATA

		COOLING	_	_		
Model Number	Net Capacity BTU/h High Stage	Standard CFM High / Low Stage	SEER	EER	Unit Dimensions Height x Width x Depth Inches (mm)	Operating Weight Ibs / kg
PAR524000K**0A	23000	800/600	15.0	12.0	44-1/8 x 46-13/16 x 31-3/16 (1121 x 1189 x 792)	327/148
PAR530000‡**0A	29000	1000/750	15.0	12.0	44-1/8 x 46-13/16 x 31-3/16 (1121 x 1189 x 792)	334/152
PAR536000‡**0A	35400	1200/900	16.0	12.5	44-3/4 x 46-13/16 x 42-15/16 (1137 x 1189 x 1091)	389/176
PAR542000‡**0A	42000	1400/1050	16.0	12.5	44-3/4 x 46-13/16 x 42-15/16 (1137 x 1189 x 1091)	392/178
PAR548000‡**0A	47500	1600/1200	16.0	12.3	50-3/4 x 46-13/16 x 42-15/16 (1269 x 1189 x 1091)	444/201
PAR560000‡**0A	57000	1750/1200	16.0	12.3	52-3/4 x 46-13/16 x 42-15/16 (1340 x 1189 x 1091)	464/211

 $\ddagger = \mathbf{K} - 208/230 - 1 - 60, \mathbf{H} - 208/230 - 3 - 60$

** = TP = Tin-coated copper coil, LC = Low Cabinet Air Leakage plus Tin Coated Copper Evaporator Main Tubes







Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Specifications subject to change without notice.

PAL

Up to 14.0 SEER, 11.5 EER PACKAGE AIR CONDITIONER 208/230-1-60 Single Phase, 2-5 Nominal Tons (Sizes 24-60) 208/230-3-60 & 460-3-60 Three Phase. 3-5 Nominal Tons (Sizes 36-60)

REFRIGERATION CIRCUIT

- Environmentally balanced R–410A refrigerant
- Copper tube/aluminum fin condenser and evaporator coils
- · Dehumidification mode (airflow reduction) on all models EASY TO INSTALL AND SERVICE
- Installs easily on a rooftop or at ground level
- · Easy three-panel accessibility for maintenance and installation
- · Easily converts to down discharge applications

BUILT TO LAST

- · High efficiency ECM indoor blower motor on all models
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High pressure switch (and low pressure switch 24 & 30 sizes) for compressor reliability
- · 2" spacing wire grilles standard on single and 3-phase models (00)
- · Cabinet air leakage of 2.0% or less at 0.5 in. W.C. when tested in accordance with ASHRAE standard 193 (Low cabinet air leakage FIOP models only) Models with factory installed options are identified with letters in the 11th and 12th positions in the model number
- Single and 3-phase models with factory installed option for low cabinet air leakage and tin-coated copper evaporator main tubes (LC)
- · Single phase models with factory installed hail guard (3/8" spacing) wire grilles plus tin-coated copper evaporator coil (TP)

LIMITED WARRANTY*

- 1 Phase PAD4 "E/H" Models
- 3 year No Hassle Replacement[™] limited warranty for tin–coated 'TP' models
- 10 year parts limited warranty (including compressor and coils) with timely registration
- · 5 year parts limited warranty if not registered within 90 days of original installation
- 3 Phase PAD4 "E" Models
- 5 year compressor limited warranty

- 1 year parts limited warranty
 - See warranty certificate for complete details and restrictions





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UNIT PERFORMANC	<u>CE DATA</u>										
		COOLING		Unit Dimensions	Operating						
Model	Capacity			Height x Width x Depth	Weight						
Number	BTU/h	SEER	EER	in (mm)	lbs (kg)						
208/230-1-60											
PAD424000†**0E	23,000	14.0	11.5	43 ³ / ₄ x 48 ³ / ₁₆ x 32 ⁵ / ₈ (1111 x 1224 x 829)	304 (138)						
PAD430000†**0H	28,600	14.0	11.5	45 ³ / ₄ x 48 ³ / ₁₆ x 32 ⁵ / ₈ (1162 x 1224 x 829)	320 (145)						
PAD436000†**0E	34,800	14.0	11.5	51 ³ / ₄ x 48 ³ / ₁₆ x 32 ⁵ / ₈ (1315 x 1224 x 829)	349 (158)						
PAD442000†**0E	40,000	14.0	11.5	$44^{3}/_{4} \times 48^{1}/_{4} \times 44^{3}/_{16}$ (1137 x 1226 x 1123)	413 (187)						
PAD448000†**0E	46,000	14.0	11.5	52 ³ / ₄ x 48 ¹ / ₄ x 44 ³ / ₁₆ (1340 x 1226 x 1123)	438 (199)						
PAD460000†**0E	56,000	14.0	11.5	54 ³ / ₄ x 48 ¹ / ₄ x 44 ³ / ₁₆ (1391 x 1226 x 1123)	455 (206)						
		•	208/230	-3-60							
PAD436000†**0E	34,800	14.0	11.5	51 ³ / ₄ x 48 ³ / ₁₆ x 32 ⁵ / ₈ (1315 x 1224 x 829)	349 (158)						
PAD442000†**0E	41,000	14.0	11.5	$44^{3}/_{4} \times 48^{1}/_{4} \times 44^{3}/_{16}$ (1137 x 1226 x 1123)	413 (187)						
PAD448000†**0E	47,000	14.0	11.5	52 ³ / ₄ x 48 ¹ / ₄ x 44 ³ / ₁₆ (1340 x 1226 x1123)	438 (199)						
PAD460000†**0E	57,000	14.0	11.5	54 ³ / ₄ x 48 ¹ / ₄ x 44 ³ / ₁₆ (1391 x 1226 x 1123)	455 (206)						
		•	460–3	9–60							
PAD436000†**0E	34,200	14.0	11.5	51 ³ / ₄ x 48 ³ / ₁₆ x 32 ⁵ / ₈ (1315 x 1224 x 829)	349 (158)						
PAD442000†**0E	41,000	14.0	11.5	44 ³ / ₄ x 48 ¹ / ₄ x 44 ³ / ₁₆ (1137 x 1226 x 1123)	413 (187)						
PAD448000†**0E	47,000	14.0	11.5	52 ³ / ₄ x 48 ¹ / ₄ x 44 ³ / ₁₆ (1340 x 1226 x 1123)	438 (199)						
PAD460000†**0E	57,000	14.0	11.5	54 ³ / ₄ x 48 ¹ / ₄ x 44 ³ / ₁₆ (1391 x 1226 x 1123)	455 (206)						

K = 208–230/1/60, **H** = 208–230/3/60, **L** = 460/3/60 ****** 00 = No Options, **TP** = Tin–Plated Evaporator Main Tubes (Single Phase 24–60 sizes), **LC** = Low Cabinet Air Leakage plus Tin–Plated Copper Evaporator Main Tubes

PGR5

Up to 16 SEER, Up to 12.5 EER, PACKAGE GAS / ELECTRIC UNIT, 2 to 5 TONS 208/230-1-60, Single Phase 208/230-3-60, Three Phase **REFRIGERATION CIRCUIT**

Environmentally balanced R-410A refrigerant

- Copper tube/aluminum fin condenser and evaporator coils
- Tin-plated copper evaporator coil standard (single-phase only)
- Two stage scroll compressors standard on all models
- Two stage gas valve and two speed inducer motor on all models EASY TO INSTALL AND SERVICE
- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications
- Combination two-stage gas heating and electric cooling
- · Low NOx units are designed for California installations and meet 40 ng/J NOx emissions. Can be installed in air quality management districts with a 40 ng/J NOx emissions requirement.

BUILT TO LAST

- Hail guard (3/8" spacing) wire grilles standard
 Induced-draft combustion and venting
- High efficiency ECM blower motor on all models
- High efficiency two-speed inducer motor on single phase models
- Pre-painted steel cabinet
- Direct spark ignition Stainless Steel tubular heat exchanger standard
- Vertical condenser fan discharge
- Full perimeter steel base rails
- Crankcase heaters on select models
- · High and low pressure switches provide added reliability for the compressor
- Cabinet air leakage of 2.0% or less at .5 in. W.C. when tested in accordance with ASHRAE standard 193
- Models with factory installed options are identified with letters in the 11th and 12th positions in the model number
- Factory installed tin-plated copper evaporator main tubes PGR5 (GP)
 Single and 3-phase models with factory installed option for low cabinet air leakage and tin-plated copper evaporator main tubes PGR5 (GC) LIMITED WARRANTY

1 Phase PGR5 Models

- 5 year No Hassle Replacement[™] limited warranty
- 10 year parts limited warranty (including compressor and coils) and lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty and 20 year heat exchanger limited warranty if not registered within 90 days of original installation.
- 3 Phase PGR5 Models
- · 10 year heat exchanger limited warranty
- 5 year compressor limited warranty
- 1 year parts limited warranty

See warranty certificate for complete details and restrictions **UNIT PERFORMANCE DATA**





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As an Energy Star Partner, International Comfort Products has determined that this product meets the ENERGY STAR[®] guidelines for energy efficiency.



	COOLING			HEATII				Opera	ating
	Net Capacity BTU/h			Input BTU/h		iency JE %	Unit Dimensions Height x Width x Depth	Weig Ibs (I	
Model Number	High Stage	SEER	EER	High/Low	1Ø	3Ø	inches (mm)	1Ø	3Ø
PGR524040K**♦	23,000	15.0	12.0	40,000/26,000	81.0	-		342	-
PGR524060K**♦	23,000	15.0	12.0	60,000/39,000	81.0	-	44-1/8 x 47 x 31-7/16	(155)	-
PGR530040‡** ♦	29,000	15.0	12.0	40,000/26,000	81.0	78.0	(1121 x 1194 x 799)	376	376
PGR530060‡** ♦	29,000	15.0	12.0	60,000/39,000	81.0	78.6		(170)	(170)
PGR536060‡** ♦	35,400	16.0	12.5	60,000/39,000	81.0	78.6			
PGR536090‡** ♦	35,400	16.0	12.5	90,000/58,500	81.0	79.2	44-3/4 x 47 x 42-15/16	463	463
PGR542060‡** ♦	42,000	16.0	12.5	60,000/39,000	81.0	78.6	(1137 x 1194 x 1091)	(210)	(210)
PGR542090‡** ♦	42,000	16.0	12.5	90,000/58,500	81.0	79.2			
PGR548090‡** ♦	47,500	16.0	12.3	90,000/58,500	81.0	79.2			
PGR548115‡**♦	47,500	16.0	12.3	115,000/75,000	81.0	80.1	50-3/4 x 47 x 42-15/16	481	481
PGR548130K**♦	47,500	16.0	12.3	127,000/84,500	81.0	-	(1289 x 1194 x 1091)	(218)	(218)
PGR548130H**◆	47,500	16.0	12.3	130,000/84,500	-	80.0			
PGR560090‡** ♦	57,000	16.0	12.3	90,000/58,500	81.0	79.2			
PGR560115‡**♦	57,000	16.0	12.3	115,000/75,000	81.0	80.1	52-3/4 x 47 x 42-15/16	509	509
PGR560130K**◆	57,000	16.0	12.3	127,000/84,500	81.0	-	(1340 x 1194 x 1091)	(231)	(231)
PGR560130H**◆	57,000	16.0	12.3	130,000/84,500	-	80.0			

K = 208/230-1-60H = 208/230-3-60

GC = Low cabinet air leakage plus Tin-Plated Copper Evaporator Main Tubes, Stainless Steel Heat Exchanger GP = Tin-Plated Evaporator Main Tubes (single phase)

0 = Standard, 1 = Low NOx

PGD4

Up to 14.5 SEER PACKAGE GAS/ELECTRIC, 2 to 5 TONS Single Phase, 208/230 V, 60 Hz

REFRIGERATION CIRCUIT

- Environmentally balanced R-410A refrigerant
- Copper tube/aluminum fin condenser and evaporator coils
- Dehumidification mode (airflow reduction) on all models
- Low NOx (40 ng/J emissions limit) and Ultra Low NOx (14 ng/J emissions limit) are for use in select air quality districts in CA.
 For districts that require 40 ng/J limit, either Low NOx or Ultra Low Nox may be used. For districts that require 14 ng/J limit, Ultra Low NOx must be used.

EASY TO INSTALL AND SERVICE

- Installs easily on a rooftop or at ground level
- · Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications
- Combination gas heating and electric cooling
- Low NOx and Ultra Low NOx units available

BUILT TO LAST

- Induced-draft combustion and venting
- Pre-painted steel cabinet
- Direct spark ignition
- High efficiency ECM indoor blower motor on all models
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High pressure switch provides added reliability for the compressor
- Aluminized steel tubular heat exchanger and wire grilles with 2 inch spacing on all models (00)
- Cabinet air leakage of 2.0% or less at 0.5 in. W.C. when tested in accordance with ASHRAE standard 193 (Low cabinet air leakage FIOP models only; not available for Ultra Low NOx.)
- Models with factory installed options are identified with letters in the 11th and 12th positions in the model number • Factory installed option for tin-coated copper evaporator main tubes (TP)
- Factory installed option for low cabinet air leakage and tin-coated copper evaporator main tubes (LC)

LIMITED WARRANTY*

- 15 year heat exchanger limited warranty
- 10 year parts limited warranty (including compressor and coils) with timely registration
- 5 year parts limited warranty and 15 year heat exchanger limited warranty
- if not registered within 90 days of original installation
- * See warranty certificate for complete details and restrictions.

Specifications subject to change without notice.





PGD4 (continued)

UNIT PERFORMANC	CE DATA - I	BASE U	INITS					
	Co	ooling		Heat	ing		Shipping	
	Capacity			Input	AFUE	Height x Width x Depth	Weight lbs	
Model Number	BTU/h	SEER	EER	BTU/h	%	in (mm)	(kg)	Price
PGD424040K000G	23,600	14.0	11.5	40,000	81.0		329 (149)	
PGD424040KLC0G	23,600	14.0	11.5	40,000	81.0		329 (149)	
PGD424040KTP0G	23,600	14.0	11.5	40,000	81.0	43-3/4 x 48-3/16 x 32-5/8	329 (149)	
PGD424060K000G	23,600	14.0	11.5	60,000	81.0	(1111 x 1224 x 829)	329 (149)	
PGD424060KLC0G	23,600	14.0	11.5	60,000	81.0		329 (149)	
PGD424060KTP0G	23,600	14.0	11.5	60,000	81.0		329 (149)	
PGD430040K000H	28,600	14.0	11.5	40,000	81.0		361 (164)	
PGD430040KLC0H	28,600	14.0	11.5	40,000	81.0		361 (164)	
PGD430040KTP0H	28,600	14.0	11.5	40,000	81.0	45-3/4 x 48-3/16 x 32-5/8	361 (164)	
PGD430060K000H	28,600	14.0	11.5	60,000	81.0	(1162 x 1224 x 829)	361 (164)	
PGD430060KLC0H	28,600	14.0	11.5	60,000	81.0		361 (164)	
PGD430060KTP0H	28,600	14.0	11.5	60,000	81.0		361 (164)	
PGD436060K000G	34,200	14.0	11.5	60,000	81.0		390 (177)	
PGD436060KLC0G PGD436060KTP0G	34,200 34,200	14.0	11.5	60,000 60,000	81.0	51-3/4 x 48-3/16 x 32-5/8	390 (177) 390 (177)	
PGD436060K1P0G PGD436090K000G	34,200	14.0 14.0	11.5 11.5	90,000	81.0 81.0	(1315 x 1224 x 829)	390 (177)	
PGD436090KLC0G	34,200	14.0	11.5	90,000	81.0	(1313 x 1224 x 829)	390 (177)	
PGD436090KLC0G	34,200	14.0	11.5	90,000	81.0		390 (177)	
PGD442060K000G	41.000	14.0	11.5	60.000	81.0		455 (206)	
PGD442060KLC0G	41.000	14.0	11.5	60.000	81.0		455 (206)	
PGD442060KTP0G	41.000	14.0	11.5	60.000	81.0	44-3/4 x 48-3/16 x 44-1/8	455 (206)	
PGD442090K000G	41,000	14.0	11.5	90,000	81.0	(1137 x 1224 x 1123)	455 (206)	
PGD442090KLC0G	41.000	14.0	11.5	90.000	81.0		455 (206)	
PGD442090KTP0G	41,000	14.0	11.5	90,000	81.0		455 (206)	
PGD448090K000G	47,000	14.0	11.5	90,000	81.0		480 (218)	
PGD448090KLC0G	47,000	14.0	11.5	90,000	81.0		480 (218)	
PGD448090KTP0G	47,000	14.0	11.5	90,000	81.0		480 (218)	
PGD448115K000G	47,000	14.0	11.5	115,000	81.0	52-3/4 x 48-3/16 x 44-1/8	480 (218)	
PGD448115KLC0G	47,000	14.0	11.5	115,000	81.0	(1340 x 1224 x 1123)	480 (218)	
PGD448115KTP0G	47,000	14.0	11.5	115,000		(1040 x 1224 x 1120)	480 (218)	
PGD448130K000G	47,000	14.0	11.5	127,000			480 (218)	
PGD448130KLC0G	47,000	14.0	11.5	127,000	81.0		480 (218)	
PGD448130KTP0G	47,000	14.0	11.5	127,000	81.0		480 (218)	
PGD460090K000G	57,000	14.0	11.5	90,000	81.0		497 (225)	
PGD460090KLC0G	57,000	14.0	11.5	90,000	81.0		497 (225)	
PGD460090KTP0G	57,000	14.0	11.5	90,000	81.0		497 (225)	
PGD460115K000G	57,000	14.0	11.5	115,000	81.0	54-3/4 x 48-3/16 x 44-1/8	497 (225)	
PGD460115KLC0G	57,000	14.0	11.5	115,000	81.0	(1391 x 1224 x 1123)	497 (225)	
PGD460115KTP0G	57,000	14.0	11.5	115,000	81.0 81.0		497 (225)	
PGD460130K000G PGD460130KLC0G	57,000 57,000	14.0 14.0	11.5 11.5	127,000	00		497 (225) 497 (225)	
	,	14.0	11.5	127,000			497 (225)	
PGD460130KTP0G	57,000	14.0	C.11	127,000	01.0		497 (225)	

00 = Standard

LC = Low cabinet air leakage and Tin Plated Evaporator Main Tubes plus Stainless Steel Heat Exchanger

TP = Tin Plated Evaporator Main Tubes plus Stainless Steel Heat Exchanger

Specifications subject to change without notice.

PGD4 (continued)

UNIT PERFORMANCE DATA - Low NOx												
	Co	ooling		Heat	ing		Shipping					
	Capacity			Input	AFUE	Height x Width x Depth	Weight lbs					
Model Number	BTU/h	SEER	EER	BTU/h	%	in (mm)	(kg)	Price				
PGD424040K001G	23,600	14.0	11.5	40,000	81.0		329 (149)					
PGD424040KTP1G	23,600	14.0	11.5	40,000	81.0	43-3/4 x 48-3/16 x 32-5/8	329 (149)					
PGD424060K001G	23,600	14.0	11.5	60,000	81.0	(1111 x 1224 x 829)	329 (149)					
PGD424060KTP1G	23,600	14.0	11.5	60,000	81.0		329 (149)					
PGD430040K001H	28,600	14.0	11.5	40,000	81.0		361 (164)					
PGD430040KTP1H	28,600	14.0	11.5	40,000	81.0	45-3/4 x 48-3/16 x 32-5/8	361 (164)					
PGD430060K001H	28,600	14.0	11.5	60,000	81.0	(1162 x 1224 x 829)	361 (164)					
PGD430060KTP1H	28,600	14.0	11.5	60,000	81.0		361 (164)					
PGD436060K001G	34,200	14.0	11.5	60,000	81.0		349 (158)					
PGD436060KTP1G	34,200	14.0	11.5	60,000	81.0	51-3/4 x 48-3/16 x 32-5/8	349 (158)					
PGD436090K001G	34,200	14.0	11.5	90,000	81.0	(1315 x 1224 x 829)	349 (158)					
PGD436090KTP1G	34,200	14.0	11.5	90,000	81.0		349 (158)					
PGD442060K001G	41,000	14.0	11.5	60,000	81.0		455 (206)					
PGD442060KTP1G	41,000	14.0	11.5	60,000	81.0	44-3/4 x 48-3/16 x 44-1/8	455 (206)					
PGD442090K001G	41,000	14.0	11.5	90,000	81.0	(1137 x 1224 x 1123)	455 (206)					
PGD442090KTP1G	41,000	14.0	11.5	90,000	81.0		455 (206)					
PGD448090K001G	47,000	14.0	11.5	90,000	81.0		480 (218)					
PGD448090KTP1G	47,000	14.0	11.5	90,000	81.0		480 (218)					
PGD448115K001G	47,000	14.0	11.5	115,000	81.0	52-3/4 x 48-3/16 x 44-1/8	480 (218)					
PGD448115KTP1G	47,000	14.0	11.5	115,000	81.0	(1340 x 1224 x 1123)	480 (218)					
PGD448130K001G	47,000	14.0	11.5	127,000	81.0		480 (218)					
PGD448130KTP1G	47,000	14.0	11.5	127,000	81.0		480 (218)					
PGD460090K001G	57,000	14.0	11.5	90,000	81.0		497 (225)					
PGD460090KTP1G	57,000	14.0	11.5	90,000	81.0		497 (225)					
PGD460115K001G	57,000	14.0	11.5	115,000	81.0	54-3/4 x 48-3/16 x 44-1/8	497 (225)					
PGD460115KTP1G	57,000	14.0	11.5	115,000	81.0	(1391 x 1224 x 1123)	497 (225)					
PGD460130K001G	57,000	14.0	11.5	127,000	81.0		497 (225)					
PGD460130KTP1G	57,000	14.0	11.5	127,000	81.0		497 (225)					

00 = Standard

LC = Low cabinet air leakage and Tin Plated Evaporator Main Tubes plus Stainless Steel Heat Exchanger

TP = Tin Plated Evaporator Main Tubes plus Stainless Steel Heat Exchanger

	Cooling			Heat	ting		Shipping	
	Capacity			Input	AFUE	Height x Width x Depth	Weight lbs	
Model Number	BTU/h	SEER	EER	BTU/h	%	in (mm)	(kg)	
PGD424060K002G	24,000	14.0	11.5	40,000	81.0	43-3/4 x 48-3/16 x 32-5/8	329 (149)	
PGD424040KTP2G	24,000	14.0	11.5	40,000	81.0	(1111 x 1224 x 829)	329 (149)	
PGD430060K002H	28,600	14.0	11.5	40,000	81.0	45-3/4 x 48-3/16 x 32-5/8	361 (164)	
PGD430060KTP2H	28,600	14.0	11.5	40,000	81.0	(1162 x 1224 x 829)	361 (164)	
PGD436060K002G	34,200	14.0	11.5	60,000	81.0	51-3/4 x 48-3/16 x 32-5/8	390 (177)	
PGD436060KTP2G	34,200	14.0	11.5	60,000	81.0	(1315 x 1224 x 829)	390 (177)	
PGD442060K002G	41,000	14.0	11.5	60,000	81.0		455 (206)	
PGD442090K002G	41,000	14.0	11.5	89,000	81.0	44-3/4 x 48-3/16 x 44-1/8	455 (206)	
PGD442060KTP2G	41,000	14.0	11.5	89,000	81.0	(1137 x 1224 x 1123)	455 (206)	
PGD442090KTP2G	41,000	14.0	11.5	89,000	81.0		455 (206)	
PGD448090K002G	47,000	14.0	11.5	89,000	81.0	52-3/4 x 48-3/16 x 44-1/8	480 (218)	
PGD448090KTP2G	47,000	14.0	11.5	89,000	81.0	(1340 x 1224 x 1123)	480 (218)	
PGD460090K002G	57,000	14.0	11.5	89,000	81.0	54-3/4 x 48-3/16 x 44-1/8	497 (225)	
PGD460090KTP2G	57,000	14.0	11.5	89,000	81.0	(1391 x 1224 x 1123)	497 (225)	

00 = Standard

LC = Low cabinet air leakage and Tin Plated Evaporator Main Tubes plus Stainless Steel Heat Exchanger

TP = Tin Plated Evaporator Main Tubes plus Stainless Steel Heat Exchanger

Up to 14.5 SEER PACKAGE GAS/ELECTRIC, 2 to 5 TONS Single Phase, 208/230 V, 60 Hz

REFRIGERATION CIRCUIT

- Environmentally balanced R-410A refrigerant
- Tin-coated copper evaporator coil standard
- Dehumidification mode (airflow reduction) on all models
- Low NOx (40 ng/J emissions limit) and Ultra Low NOx (14 ng/J emissions limit) are for use in select air quality districts in CA. For districts that require 40 ng/J limit, either Low NOx or Ultra Low Nox may be used. For districts that require 14 ng/J limit, Ultra Low NOx must be used.

EASY TO INSTALL AND SERVICE

- · Installs easily on a rooftop or at ground level
- · Easy three-panel accessibility for maintenance and installation
- · Easily converts to down discharge applications
- · Combination gas heating and electric cooling
- · Low NOx units available

BUILT TO LAST

- Hail guard (3/8" spacing) wire grilles on all models
- · Stainless steel tubular heat exchanger
- · Induced-draft combustion and venting
- · Pre-painted steel cabinet
- · Direct spark ignition
- · High efficiency ECM indoor blower motor on all models
- · Vertical condenser fan discharge
- · Full perimeter steel base rails
- High pressure switch provides added reliability for the compressor
- Cabinet air leakage of 2.0% or less at 0.5 in. W.C. when tested in accordance with ASHRAE standard 193 (Low cabinet air leakage FIOP models only; not applicable for Ultra Low NOx)
- Models with factory installed options are identified with letters in the 11th and 12th positions in the model number
- Factory installed option for tin-coated copper evaporator main tubes (GP)
- Factory installed option for low cabinet air leakage and tin-coated copper evaporator main tubes (GC)

LIMITED WARRANTY*

- 3 year No Hassle Replacement limited warranty
- 10 year parts limited warranty (including compressor and coils) with timely registration
- 5 year parts limited warranty and 20 year heat exchanger limited warranty
- if not registered within 90 days of original installation
- * See warranty certificate for complete details and restrictions.







Specifications subject to change without notice.

PGS4 (continued)

UNIT PERFORMANC	-	ooling		Heat		Height x Width x Depth	Shipping	
Model Number	Capacity	SEER	EER	Input	AFUE	in (mm)	Weight lbs	Price
PGS424040KGC0G	23,600	14.0	11.5	40,000	81.0	· · · /	329 (149)	
PGS424040KGP*G	23,600	14.0	11.5	40,000	81.0	43-3/4 x 48-3/16 x 32-5/8	329 (149)	
PGS424060KGC0G	23,600	14.0	11.5	60,000	81.0	(1111 x 1224 x 829)	329 (149)	
PGS424060KGP*G	23,600	14.0	11.5	60,000	81.0		329 (149)	
PGS430040KGC*H	28,600	14.0	11.5	40,000	81.0		361 (164)	
PGS430040KGP*H	28,600	14.0	11.5	40,000	81.0	45-3/4 x 48-3/16 x 32-5/8	361 (164)	
PGS430060KGC*H	28,600	14.0	11.5	60,000	81.0	(1162 x 1224 x 829)	361 (164)	
PGS430060KGP*H	28,600	14.0	11.5	60,000	81.0		361 (164)	
PGS436060KGC*G	34,800	14.0	11.5	60,000	81.0		390 (177)	
PGS436060KGP*G	34,800	14.0	11.5	60,000	81.0	51-3/4 x 48-3/16 x 32-5/8	390 (177)	
PGS436090KGC*G	34,800	14.0	11.5	90,000	81.0	(1315 x 1224 x 829)	390 (177)	
PGS436090KGP*G	34,800	14.0	11.5	90,000	81.0		390 (177)	
PGS442060KGC*G	41,000	14.0	11.5	60,000	81.0		455 (206)	
PGS442060KGP*G	41,000	14.0	11.5	60,000	81.0	44-3/4 x 48-3/16 x 44-1/8	455 (206)	
PGS442090KGC*G	41,000	14.0	11.5	90,000	81.0	(1137 x 1224 x 1123)	455 (206)	
PGS442090KGP*G	41,000	14.0	11.5	90,000	81.0		455 (206)	
PGS448090KGC*G	47,000	14.0	11.5	90,000	81.0		480 (218)	
PGS448090KGP*G	47,000	14.0	11.5	90,000	81.0		480 (218)	
PGS448115KGC*G	47,000	14.0	11.5	115,000	81.0	52-3/4 x 48-3/16 x 44-1/8	480 (218)	
PGS448115KGP*G	47,000	14.0	11.5	115,000	81.0	(1340 x 1224 x 1123)	480 (218)	
PGS448130KGC*G	47,000	14.0	11.5	127,000	81.0		480 (218)	
PGS448130KGP*G	47,000	14.0	11.5	127,000	81.0		480 (218)	
PGS460090KGC*G	57,000	14.0	11.5	90,000	81.0		497 (225)	
PGS460090KGP*G	57,000	14.0	11.5	90,000	81.0		497 (225)	
PGS460115KGC*G	57,000	14.0	11.5	115,000	81.0	54-3/4 x 48-3/16 x 44-1/8	497 (225)	
PGS460115KGP*G	57,000	14.0	11.5	115,000	81.0	(1391 x 1224 x 1123)	497 (225)	
PGS460130KGC*G	57,000	14.0	11.5	127,000	81.0		497 (225)	
PGS460130KGP*G	57,000	14.0	11.5	127,000	81.0		497 (225)	

* - 0 = Standard, 1 = Low NOx

GC = Low cabinet air leakage plus Tin Coated Copper Evaporator Main Tubes plus Stainless Steel Heat Exchanger

GP = Tin Plated Evaporator Main Tubes plus Stainless Steel Heat Exchanger

UNIT PERFORMANC	UNIT PERFORMANCE DATA — Ultra Low NOx												
	C	ooling		Heat	ing	Height x Width x Depth	Shipping						
Model Number	Capacity	SEER	EER	Input	AFUE	in (mm)	Weight lbs	Price					
PGS424060KGP2G	23,600	14.0	11.5	40,000	81.0	43-3/4 x 48-3/16 x 32-5/8 (1111 x 1224 x 829)	329 (149)						
PGS430060KGP2H	28,600	14.0	11.5	40,000	81.0	45-3/4 x 48-3/16 x 32-5/8 (1162 x 1224 x 829)	361 (164)						
PGS436060KGP2G	34,800	14.0	11.5	60,000	81.0	51-3/4 x 48-3/16 x 32-5/8 (1315 x 1224 x 829)	390 (177)						
PGS442060KGP2G	41.000	14.0	11.5	60,000	81.0	44-3/4 x 48-3/16 x 44-1/8	455 (206)						
PGS442090KGP2G	41,000	14.0	11.5	89,000	01.0	(1137 x 1224 x 1123)	433 (200)						
PGS448090KGP2G	47,000	14.0	11.5	89,000	81.0	52-3/4 x 48-3/16 x 44-1/8 (1340 x 1224 x 1123)	480 (218)						
PGS460090KGP2G	57,000	14.0	11.5	89,000	81.0	54-3/4 x 48-3/16 x 44-1/8 (1391 x 1224 x 1123)	497 (225)						

Specifications subject to change without notice.

PDD4, PDS4

Up to 14.5 SEER PACKAGE DUAL FUEL HEAT PUMP 208/230-1-60, Single Phase, 2-5 Nominal Tons (Sizes 24-60) 208/230-3-60, Three Phase, 3-5 Nominal Tons (Sizes 36-60) **REFRIGERATION CIRCUIT**

- Environmentally balanced R-410A refrigerant
- Scroll compressor standard on all models
- · Copper tube/aluminum fin condenser and evaporator coils
- · Dehumidification mode (airflow reduction) on all models

EASY TO INSTALL AND SERVICE · Installs easily on a rooftop or at ground level

- · Easy three-panel accessibility for maintenance and installation
- · Easily converts to down discharge applications
- · Combination gas heating, heat pump heating, and electric cooling
- Low NOx units are designed for California installations and meet 40 ng/J NOx emissions. Can be installed in air quality management districts with a 40 ng/J NOx emissions requirement. **BUILT TO LAST**
- · Induced-draft combustion and venting
- · Pre-painted steel cabinet
- Direct spark ignition
- · High efficiency ECM indoor blower motor on all models
- · Vertical condenser fan discharge
- Full perimeter steel base rails
- · High and low pressure switches provide added reliability for the compressor
- · Aluminized steel tubular heat exchanger and 2" spacing wire grilles on PDD4 models (00), Stainless Steel tubular heat exchanger and hail guard (3/8" spacing) wire grilles on PDS4 models
- PDS4 single phase models with factory installed tin-plated copper evaporator main tubes (GP) PDS4 3-phase models with standard evaporator tubes (GP)
- Models with factory installed options are identified with letters in the 11th and 12th positions in the model number

LIMITED WARRANTY

- 1 Phase PDS4 "G" Models
- 3 year No Hassle Replacement[™] limited warranty
- 10 year parts limited warranty (including compressor and coils) and lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty and 20 year heat exchanger limited warranty if not registered within 90 days of original installation
- 1 Phase PDD4 "G" Models
- · 15 year heat exchanger limited warranty
- · 10 year parts limited warranty (including compressor and coils) with timely registration
- 5 year parts limited warranty if not registered within 90 days of original installation.
- 3 Phase PDS4, PDD4 "E" Models
- 10 year heat exchanger limited warranty
- 5 year compressor limited warranty
- 1 year parts limited warranty

See warranty certificate for complete details and restrictions

LINIT PERFORMANCE DATA

		CC	OLING		HEAT PUMP	HEATING	GAS	HEATIN	IG		
Aluminized Steel	Stainless Steel	Capacity			Capacity		Input		IE %	Unit Dimensions Height x Width x Depth	Operating Weight
Heat Exchanger	Heat Exchanger	BTU/h	SEER	EER	BTU/h	HSPF	BTU/h	1Ø	3Ø	in (mm)	lbs (kg)
PDD424040K00*#	PDS424040KG^*#	23,000	14.5	12.0	22,600	8.0	40,000	81.0	-	47 ³ / ₄ x 48 ³ / ₁₆ x 32 ⁵ / ₈	311 (141
PDD424060K00*#	PDS424060KG^*#	23,000	14.5	12.0	22,600	8.0	60,000	81.0	-	(1213 x1 224 x 829)	311 (141
PDD430040K00*#	PDS430040KG^*#	28,600	14.0	11.5	28,400	8.0	40,000	81.0	-	51 ³ / ₄ x 48 ³ / ₁₆ x 32 ⁵ / ₈	351 (159
PDD430060K00*#	PDS430060KG^*#	28,600	14.0	11.5	28,400	8.0	60,000	81.0	-	(1315 x1 224 x 829)	351 (159
PDD436060‡00*#	PDS436060‡G^*#	34,200	14.0	11.5	34,400	8.0	60,000	81.0	78.5	48 ³ / ₄ x 48 ³ / ₁₆ x 44 ¹ / ₈	387 (176
PDD436090‡00*#	PDS436090‡G^*#	34,200	14.0	11.5	34,400	8.0	90,000	81.0	80.4	(1238 x 1224 x 1122)	387 (176
PDD442060‡00*#	PDS442060‡G^*#	41,000	14.0	11.5	40,000	8.0	60,000	81.0	78.5	i i i i i i i i i i i i i i i i i i i	435 (197
PDD442090‡00*#	PDS442090‡G^*#	41,000	14.0	11.5	40,000	8.0	90,000	81.0	80.4		435 (197
PDD448090‡00*#	PDS448090‡G^*#	48,000	14.0	12.0	46,000	8.0	90,000	81.0	80.4	54 ³ / ₄ x 48 ³ / ₁₆ x 44 ¹ / ₈	456 (207
PDD448115‡00*#	PDS448115‡G^*#	48,000	14.0	12.0	46,000	8.0	115,000	81.0	80.3	(1391 x 1224 x 1122)	456 (207
PDD448130K00*#	PDS448130KG^*#	48,000	14.0	12.0	46,000	8.0	127,000	81.0	-		456 (207
PDD448130H00*#	PDS448130HG^*#	48,000	14.0	12.0	46,000	8.0	130,000	-	78.9		456 (207
PDD460090‡00*#	PDS460090‡G^*#	57,500	14.0	11.5	57,500	8.0	90,000	81.0	80.4		487 (221
PDD460115‡00*#	PDS460115‡G^*#	57,500	14.0	11.5	57,500	8.0	115,000	81.0	80.3	48 ³ / ₄ x 48 ³ / ₁₆ x 44 ¹ / ₈	487 (221
PDD460130K00*#	PDS460130KG^*#	57,500	14.0	11.5	57,500	8.0	127,000	81.0	-	(1238 x 1224 x 1122)	487 (221
PDD460130H00*#	PDS460130HG^*#	57,500	14.0	11.5	57,500	8.0	130,000	-	78.9		487 (221

K = 208/230-1-60, H = 208/230-3-60 ŧ

0 = Standard, **1** = Low NOx

00 = No Options

P = Tin-Plated Evaporator Main Tubes plus Stainless Steel Heat Exchanger (single-phase)
 C = Low Cabinet Air Leakage plus Tin-Plated Evaporator Main Tubes plus Stainless Steel Heat Exchanger

G = 1-phase series, E = 3-phase series

Specifications subject to change without notice





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PHR5

UP to 15.5 SEER, UP to 12.5 EER, PACKAGE HEAT PUMP UNITS, 2 - 5 TONS

208/230 Volt, 1-phase, 60 Hz 208/230 Volt, 3-phase, 60 Hz REFRIGERATION CIRCUIT

- Environmentally balanced R-410A refrigerant
- Copper tube/aluminum fin condenser and evaporator coils
- Tin-plated copper evaporator coil standard (single-phase only)
 Dehumidificaton feature on high stage cooling with use
- of a dehumidistat
- Two stage scroll compressors standard on all models
- Advanced Dehumidification Feature Offered as a FIOP only EASY TO INSTALL AND SERVICE
- Installs easily on a rooftop or at ground level
- · Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications
 BUILT TO LAST
- Hail guard (3/8-in. spacing) wire grilles standard
- Multi-speed ECM blower motor standard on all models
- · Pre-painted steel cabinet
- · Vertical condenser fan discharge
- · Full perimeter steel base rails
- High and low pressure switches provide added reliability for the compressor
- Cabinet air leakage of 2.0% or less at .5 in. W.C. when tested in accordance with ASHRAE standard 193 (Low cabinet air leakage FIOP models only) Models with factory installed options are identified with letters in the 11th and 12th positions in the model number
- Single and 3-phase models with factory installed option for low cabinet air leakage and tin-plated copper evaporator main tubes (LC)
- Single phase models with factory installed tin-plated copper evaporator main tubes (TP) LIMITED WARRANTY*
- 5 year No Hassle Replacement limited warranty (Single-phase only)
- 5 year parts limited warranty (including compressor and coils)
- With timely registration, an additional 5 year parts limited warranty, including compressor and coils (Single-phase only)
- * For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

UNIT PERFORMANCE DATA

UNIT PERFOR	UNIT PERFORMANCE DATA											
		COOLING										
Model Number	Net Capacity BTU/h High Stage	Standard CFM High / Low Stage	SEER	EER	HSPF	СОР	Unit Dimensions Height x Width x Depth Inches (mm)	Operating Weight Ibs / kg				
PHR524000K**0B	22800	855/675	15.0	12.0	8.2	3.9	51-3/4 x 47 x 32-5/8 (1315 x 1194 x 829)	338/153				
PHR530000‡**0B	29400	1000/775	15.0	12.0	8.2	3.7	51-3/4 x 47 x 32-5/8 (1315 x 1194 x 829)	384/174				
PHR536000‡**0A	34000	1200/900	15.0	12.0	8.2	3.7	44-3/4 x 48-1/4 x 44-3/16 (1237 x 1226 x 1122)	413/187				
PHR542000+**0A	42000	1400/1050	15.0	12.0	8.2	3.6	50-3/4 x 48-1/4 x 44-3/16 (1289 x 1226 x 1122)	444/201				
PHR548000+**0A	47500	1600/1200	15.5	12.5	8.2	3.7	48-3/4 x 48-1/4 x 44-3/16 (1238 x 1226 x 1122)	447/203				
PHR560000‡**0A	57000	1750/1400	15.0	12.0	8.5	3.5	54-3/4 x 48-1/4 x 44-3/16 (1391 x 1226 x 1122)	503/228				

‡ K = 208/230-1-60, H = 208/230-3-60

** 00 = Standard (3-phase), AD = Advanced Dehumification with Tin-Plated Copper Evaporator Main Tubes, LC = Low cabinet air leakage plus Tin-Plated Copper Evaporator Main Tubes, TP = Tin-Plated Evaporator Main Tubes plus Stainless Steel Heat Exchanger (single phase)





As an Energy Star® Partner, International Comfort Products has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.



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Specifications subject to change without notice.

Up to 14.5 SEER, 12 EER, 8.0 HSPF, PACKAGE HEAT PUMP, 2 to 5 TONS 208/230–1–60 Single Phase 2–5 Nominal Tons (Sizes 24–60) 208/230–3–60 & 460–3–60 Three Phase, 3–5 Nominal Tons (Sizes 36–60) REFRIGERATION CIRCUIT

- Environmentally balanced R–410A refrigerant
- Copper tube/aluminum fin condenser and evaporator coils
- Scroll compressor standard on all models
- Short-cycling protection for the compressor is built into the defrost control board
- Dehumidification mode (airflow reduction) on all models

EASY TO INSTALL AND SERVICE

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications
 Combination electric besting and easily
- Combination electric heating and cooling
 BUILT TO LAST
- · Direct drive high efficiency ECM blower motor on all models
- Pre-painted steel cabinet
- Vertical condenser fan discharge
- Full perimeter steel base rails
- · High and low pressure switches provide added reliability for the compressor
- Cabinet air leakage of 2.0% or less at .5 in. W.C. when tested in accordance with ASHRAE standard 193 (Low cabinet air leakage FIOP models only)

Models with factory installed options are identified with letters in the 14th and 15th positions in the model number

- Hail guard (3/8" spacing) wire grilles standard on single phase models with optional factory installed tin-plated copper evaporator coil (TP). All other models have 2" spacing wire grilles including 3-phase models
- Single and 3-phase models with factory installed option for low cabinet air leakage and tin-plated copper evaporator main tubes PHD4 (LC)

LIMITED WARRANTY* 1 Phase PHD4 "F" Models

- 3 year No Hassle Replacement[™] limited warranty for tin–plated 'TP' models
- 10 year parts limited warranty (including compressor and coils) with timely registration
- To year parts limited warranty (including compressor and coils) with timely registration
 5 year parts limited warranty if not registered within 90 days of original installation
- 3 Phase PHD4 "F" Models
- 5 year compressor limited warranty
- 1 year parts limited warranty
- * See warranty certificate for details and restrictions

UNIT PERFORMANCE DATA

	С	OOLING		HEAT	ING	Unit Dimensions	Operating					
Model	Capacity			Capacity		Height x Width x Depth	Weight					
Number	BTU/h	SEER	EER	BTU/h	HSPF	in (mm)	lbs (kg)					
208/230-1-60												
PHD424000K**0F	23,000	14.5	12.0	22,600	8.0	47 ³ / ₄ x 48 ³ / ₁₆ x 32 ⁵ / ₈ (1213 x 1224 x 829)	311 (141)					
PHD430000K**0F	28,600	14.0	11.5	28,400	8.0	51 ³ / ₄ x 48 ³ / ₁₆ x 32 ⁵ / ₈ (1315 x 1224 x 829)	351 (159)					
PHD436000†**0F	34,200	14.0	11.5	34,400	8.0	48 ³ / ₄ x 48 ³ / ₁₆ x 44 ³ / ₁₆ (1238 x 1224 x 1122)	387 (176)					
PHD442000†**0F	41,000	14.0	11.5	40,000	8.0	$54^{3}/_{4} \times 48^{3}/_{16} \times 44^{3}/_{16}$ (1391 x 1224 x 1122)	435 (197)					
PHD448000†**0F	48,000	14.0	12.0	46,000	8.0	54 ³ / ₄ x 48 ³ / ₁₆ x 44 ³ / ₁₆ (1391 x 1224 x 1122)	456 (207)					
PHD460000†**0F	57,500	14.0	11.5	57,500	8.0	$48^{3}/_{4} \times 48^{3}/_{16} \times 44^{3}/_{16}$ (1238 x 1224 x 1122)	487 (221)					
			1	20	8/230–3–	60						
PHD436000†**0F	34,200	14.0	11.5	34,400	8.0	48 ³ / ₄ x 48 ³ / ₁₆ x 44 ³ / ₁₆ (1238 x 1224 x 1122)	387 (176)					
PHD442000†**0F	41,000	14.0	11.5	40,000	8.0	54 ³ / ₄ x 48 ³ / ₁₆ x 44 ³ / ₁₆ (1391 x 1224 x 1122)	435 (197)					
PHD448000†**0F	48,000	14.0	12.0	46,000	8.0	54 ³ / ₄ x 48 ³ / ₁₆ x 44 ³ / ₁₆ (1391 x 1224 x 1122)	456 (207)					
PHD460000†**0F	57,500	14.0	11.5	57,500	8.0	$48^{3}/_{4} \times 48^{3}/_{16} \times 44^{3}/_{16}$ (1238 x 1224 x 1122)	487 (221)					
			1	4	460–3–60)						
PHD436000†**0F	34,200	14.0	11.5	34,400	8.0	48 ³ / ₄ x 48 ³ / ₁₆ x 44 ³ / ₁₆ (1238 x 1224 x 1122)	387 (176)					
PHD442000†**0F	41,000	14.0	11.5	40,000	8.0	54 ³ / ₄ x 48 ³ / ₁₆ x 44 ³ / ₁₆ (1391 x 1224 x 1122)	435 (197)					
PHD448000†**0F	48,000	14.0	12.0	46,000	8.0	54 ³ / ₄ x 48 ³ / ₁₆ x 44 ³ / ₁₆ (1391 x 1224 x 1122)	456 (207)					
PHD460000†**0F	57,500	14.0	11.5	57,500	8.0	$48^{3}/_{4} \times 48^{3}/_{16} \times 44^{3}/_{16}$ (1238 x 1224 x 1122)	487 (221)					

‡ K = 208/230-1-60, **H** = 208/230-3-60, **L** = 460-3-60

** 00 = No Options, TP = Tin-Plated Evaporator Main Tubes (Single Stage), LC = Low Cabinet Air Leakage plus Tin-Plated Copper Evaporator Main Tubes

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THREE PHASE SPLIT SYSTEMS 3-5 TON

14 SEER HORIZONTAL DISCHARGE AIR CONDITIONER FOR USE WITH DUCTED INDOOR UNIT ENVIRONMENTALLY SOUND R-410A REFRIGERANT

1-1/2 THRU 5 TONS, 208/230 Volt, 1-Phase

3 THRU 5 TONS, 208/230 Volt, 3-Phase

3 THRU 5 TONS, 460 Volt, 3-Phase

REFRIGERATION CIRCUIT

- 14 SEER/11.7 12.2 EER
- Scroll compressor
- Factory-supplied filter-drier
- High pressure switch
- Line lengths up to 250 feet (76.2 m)
- EASY TO INSTALL AND SERVICE

Small footprint

- · Easy access service valves on all models
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Low ambient operation (down to -0°F/-17.8°C)
- Ball-Bearing Fan Motor

WARRANTY*

- 5 year parts limited warranty (including compressor and coil)
 With timely registration, an additional 5 year parts
- limited warranty (including compressor and coil) * For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.







NH4A4

Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org .

Model Number	Size (tons)	Nominal Btu/hr	Min Circuit Ampacity	Max Fuse or Breaker	Operating Dimensions height x width x depth inches (mm)	Operating/Ship Weight Ibs. (kg)						
	208/230-1-60											
NH4A418AKA	1½	18,000	11.8	20	31-1/8 x 36-15/16 x 14-9/16 (790 x 938 x 370)	146/166 (66/75)						
NH4A424AKA	2	24,000	14.1	25	31-1/8 x 36-15/16 x 14-9/16 (790 x 938 x 370)	148/168 (67/76)						
NH4A430AKA	21⁄2	30,000	18.3	30	37-1/8 x 44-1/2 x 17-1/16 (943 x 1130 x 433)	183/213 (83/97)						
NH4A436AKA	3	36,000	18.8	30	37-1/8 x 44-1/2 x 17-1/16 (943 x 1130 x 433)	184/214 (84/97)						
NH4A448AKA	4	48,000	24.3	40	37-1/8 x 44-1/2 x 17-1/16 (943 x 1130 x 433)	213/243 (97/110)						
NH4A460AKA	5	60,000	31.1	50	43-1/8 x 44-1/2 x 17-1/16 (1095 x 1130 x 433)	245/275 (111/125)						
				2	208/230-3-60							
NH4A436AHA	3	36,000	12.5	20	37-1/8 x 44-1/2 x 17-1/16 (943 x 1130 x 433)	184/214 (84/97)						
NH4A448AHA	4	48,000	18.3	30	37-1/8 x 44-1/2 x 17-1/16 (943 x 1130 x 433)	213/243 (97/110)						
NH4A460AHA	5	60,000	21.4	35	43-1/8 x 44-1/2 x 17-1/16 (1095 x 1130 x 433)	245/275 (111/125)						
					460-3-60							
NH4A436ALA	3	36,000	7.6	15	37-1/8 x 44-1/2 x 17-1/16 (943 x 1130 x 433)	184/214 (84/97)						
NH4A448ALA	4	48,000	8.7	15	37-1/8 x 44-1/2 x 17-1/16 (943 x 1130 x 433)	213/243 (97/110)						
NH4A460ALA	5	60,000	9.7	15	43-1/8 x 44-1/2 x 17-1/16 (1095 x 1130 x 433)	245/275 (111/125)						

N4A3

EFFICIENT 13 SEER AIR CONDITIONER ENVIRONMENTALLY BALANCED R-410A REFRIGERANT

1-1/2 THRU 5 TONS SPLIT SYSTEM

208/230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Filter-Drier supplied with every unit for field installation
- Copper tube / aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy Access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 2-in. (51mm) spacing standard, alternate models available with 3/8-in. (10mm) grille spacing for extra protection (hail guard)

LIMITED WARRANTY*

- 5 year compressor limited warranty
- 5 year parts limited warranty (including compressor and coil)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)
- * For owner occupied, residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.







Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Model Number	Size (tons)	Nominal BTU/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width/depth in. (mm)	Ship / Operating Weight Ibs. (kg)
N4A318*KF	1–1/2	18,000	11.8 20		25-5/16 x 23-1/8 (643 x 587)	130 / 107 (59 / 49)
N4A324*KG	2	24,000	14.3	25 25-5/16 x 23-1/8 (643 x 587)		127 / 107 (58 / 49)
N4A330*KG	2–1/2	30,000	16.6	.6 25 28-11/16 x 25-3/4 (729 x 654)		149 / 126 (68 / 57)
N4A336*KF	3	36,000	18.1	30	25-5/16 x 31-3/16 (642 x 792)	151 / 134 (68 / 61)
N4A342*KN	3–1/2	42,000	23.5	40	32-5/16 x 31-3/16 (821 x 792)	218 / 190 (99 / 86)
N4A348*KG	4	48,000	24.3	40 35-1/2 x 31-3/16 (901 x 792)		205 / 175 (93 / 79)
N4A360*KN	5	60,000	29.0	50 28-11/16 x 31-3/16 (729 x 792)		232 / 199 (106 / 91)

* $\mathbf{A} = 2^{\circ}$ (51mm) spacing inlet grille or . $\mathbf{G} = 3/8^{\circ}$ (10mm) spacing inlet grille

NXH6

HIGH EFFICIENCY 16 SEER HEAT PUMP ENVIRONMENTALLY BALANCED R-410A REFRIGERANT

1¹/₂ THRU 5 TONS SPLIT SYSTEM 208 / 230 Volt, 1-phase, 3-phase, 60 Hz REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter-drier included for field installation
- Integrated solid state control with Time-Temperature Defrost
- Low pressure switch
- Copper tube / aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10 mm) grille spacing for extra protection

LIMITED WARRANTY*

- 5 year compressor limited warranty
- 5 year parts limited warranty (including compressor and coil)
- With timely registration, an additional 5 year parts limited warranty (including compressor and coil)
- * Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.





This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.





Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Model Number*	Size tons	Nominal Btu/hr	Min. Circuit Amps	Max. Fuse Operating Dimensions / Breaker W x D (sq) x H inches (mm)		Ship/Operating Weight Ibs. (kg)
NXH618GKP	1.5	18,000	13.6	20	31-3/16 x 35-1/2 (793 x 901)	199 / 167 (90 / 76)
NXH624GKP	2	24,000	15.5	25	35 x 32-1/16 (889 x 815)	189 / 172 (86 / 78)
NXH630GKP	2.5	30,000	19.9	30	35 x 32-1/16 (889 x 815)	228 / 207 (103 / 94)
NXH636GKP	3	36,000	21.6	35	35 x 32-1/16 (889 x 815)	233 / 211 (106 / 96)
NXH636GHP	3	36,000	14.9	25	35 x 32-1/16 (889 x 815)	237 / 215 (108 / 98)
NXH642GKP	3.5	42,000	27.8	40	35 x 32-1/16 (889 x 815)	256 / 233 (116 / 106)
NXH648GKP	4	48,000	31.8	45	35 x 32-1/16 (889 x 815)	257 / 233 (117 / 106)
NXH648GHP	4	48,000	18.3	30	35 x 32-1/16 (889 x 815)	262 / 238 (119 / 108)
NXH660GKP	5	60,000	33.9	50	35 x 45-11/16 (889 x 1161)	315 / 286 (143 / 130)
NXH660GHP	5	60,000	22.8	35	35 x 45-11/16 (889 x 1161)	317 / 288 (144 / 131)

* K indicates single-phase model; H indicates 3-phase model

14 SEER HORIZONTAL DISCHARGE HEAT PUMP FOR USE WITH DUCTED INDOOR UNITS ENVIRONMENTALLY SOUND R-410A REFRIGERANT

1¹/₂ thru 5 Tons, 208/230 Volt, 1-Phase 3 thru 5 Tons, 208/230 Volt, 3-Phase 3 thru 5 Tons, 460 Volt, 3-Phase REFRIGERATION CIRCUIT

14-16 SEER/11-13 EER/8.2-9.0 HSPF

- Scroll compressors on all models
- Factory-supplied filter-drier
- High and Low pressure switches
- Line lengths up to 250 feet (76.2m)
- Accumulator

EASY TO INSTALL AND SERVICE

Small footprint

- Easy access service valves on all models
- Factory charged with R-410A refrigerant

BUILT TO LAST

Low ambient operation (down to 0°F/-17.8°C)

Ball-Bearing Fan Motor

LIMITED WARRANTY*

- 5 year parts limited warranty (including compressor and coil)
- With timely registration, an additional 5 year parts limited warranty (including compressor and coil)

* For residential applications only. See warranty certificate for complete details and restrictions including warranty coverage for other applications

UNIT PERFOR	-		Min Cinevit	Mary Frees		Chin / On creating	
Model	Size		Min. Circuit	Max. Fuse	Operating Dimensions	Ship / Operating	Price
Number	(tons)	Btu/hr	Ampacity	or Breaker	height x width x depth in. (mm)	Weight Ibs. (kg)	
				208/	/230-1-60	1	
NH4H418AKA	11/2	18.000	11.80	20	25-1/8 x 36-15/16 x 14-9/16	150/170(68/77)	
	172	10,000	11.00	20	(638 x 938 x 370)	100/110(00/11)	
NH4H424AKA	2	24,000	16.50	25	31-1/8 x 36-15/16 x 14-9/16	161/181(73/82)	
ND4D424ANA	2	24,000	10.50	25	(790 x 938 x 370)	101/101(73/02)	
NH4H430AKA	21/2	20,000	17.20	30	37-1/8 x 44-1/2 x 17-1/16	106/006/00/100)	
ΝΠ4Π430ΑΚΑ	Z72	30,000	17.20	30	(943 x 1130 x 433)	196/226(89/103)	
	0	00.000	10.00	00	37-1/8 x 44-1/2 x 17-1/16	407/007/00/400	
NH4H436AKA	3	36,000	19.00	30	(943 x 1130 x 433)	197/227(89/103)	
					43-1/8 x 44-1/2 x 17-1/16		
NH4H448AKA	4	48,000	28.80	50	(1095 x 1130 x 433)	246/276(112/125)	
	_				43-1/8 x 44-1/2 x 17-1/16		
NH4H460AKA	5	60,000	33.40	50	(1095 x 1130 x 433)	258/288(117/131)	
				208/	/230-3-60		
			10.00		37-1/8 x 44-1/2 x 17-1/16		
NH4H436AHA	3	36,000	12.80	20	(943 x 1130 x 433)	197/227(89/103)	
		40.000	10.00		43-1/8 x 44-1/2 x 17-1/16	0.40/070/440/405	
NH4H448AHA	4	48,000	18.60	30	(1095 x 1130 x 433)	246/276(112/125)	
	_		00.00	40	43-1/8 x 44-1/2 x 17-1/16	050/000/447/404	
NH4H460AHA	5	60,000	22.90	40	(1095 x 1130 x 433)	258/288(117/131)	
				46	60-3-60		
	0	00.000	7.00	45	37-1/8 x 44-1/2 x 17-1/16	407/007/00/400	
NH4H436ALA	3	36,000	7.60	15	(943 x 1130 x 433)	197/227(89/103)	
	4	40.000	0.00	45	43-1/8 x 44-1/2 x 17-1/16	040/070/440/405	
NH4H448ALA	4	48,000	8.60	15	(1095 x 1130 x 433)	246/276(112/125)	
	_		10.00	45	43-1/8 x 44-1/2 x 17-1/16	050/000/117/101	
NH4H460ALA	5	60,000	10.60	15	(1095 x 1130 x 433)	258/288(117/131)	

Specifications subject to change without notice.









CERTIFIED

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N4H4

14 SEER HEAT PUMP ENVIRONMENTALLY BALANCED R-410A REFRIGERANT 11/2 THRU 5 TONS SPLIT SYSTEM

208/230 Volt 1–phase, 208/230 Volt 3–phase, 460 Volt 3–phase; 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- · Suction line accumulator factory installed
- Bi-flow filter-drier included for field installation
- Integrated solid state control with Time-Temperature Defrost
- · Low pressure switch

• Round tube / aluminum plate fin coil

EASY TO INSTALL AND SERVICE

- · Easy Access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- · Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8 (10mm) grille spacing for extra protection

LIMITED WARRANTY*

- 5 year parts limited warranty (including compressor and coil)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)







Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org .

* For residential applications only.	See warranty certificate for complete details and restrictions, including warranty	anty
coverage for other applications.		-

Model Number	Size (ton)	Nominal Btu/hr	Min. Ckt Amps	Max. Breaker	Operating Dimensions length x width x height inches (mm)	Operating / Ship Weight Ibs. (kg)
N4H418GKP	1½	18,000	11.8	20	23–1/8 x 23–1/8 x 35–1/16 (587 x 587 x 891)	136/166(61/75)
N4H424GKP	2	24,000	14.2	25	25–3/4 x 25–3/4 x 35–1/2 (654 x 654 x 901)	144/175(65/79)
N4H430GKP	21⁄2	30,000	16.9	30	31–3/16 x 31–3/16 x 31–11/16 (792 x 792 x 804)	158/180(72/82)
N4H436G*P	3	36,000	19.5	30	31–3/16 x 31–3/16 x 28–1/4 (792 x 792 x 718)	170/187(77/85)♦
N4H442GKP	3½	42,000	24.0	40	31–3/16 x 31–3/16 x 38–7/16 (792 x 792 x 977)	201/235(91/107)
N4H448G*P	4	48,000	25.2	40	31–3/16 x 31–3/16 x 28–1/4 (792 x 792 x 718)	197/217(89/98)♦
N4H460G*P	5	60,000	32.0	50	31–3/16 x 31–3/16 x 31–11/16 (792 x 792 x 804)	212/233(96/106) ♦

* K = 208–230V Single–Phase; H = 208/230V Three–Phase; L = 460V Three–Phase

 Shipping weight for three-phase (H,L) units. For single-phase (K) add 14 lb (6.4 kg) for 3 ton, add 15 lb (6.8 kg) for 4 / 5 ton. Refer to dimensional drawing.

COMMERCIAL RTU 3-5 TONS

RGW/RAW

SINGLE PACKAGE ROOFTOP UNITS WITH X-VANE™ FAN TECHNOLOGY: GAS HEATING/ELECTRIC COOLING (RGW) AND ELECTRIC COOLING/OPTIONAL ELECTRIC HEAT (RAW) 3 – 5 TON

The new 3 to 5 Ton RGW/RAW series rooftop units (RTU) with X-Vane[™] Fan Tech nology provide value added benefits never seen in this type of equipment before. New major design features include:

- Patented technology utilizes the industry's frst beltless direct-drive vane axial fan for rooftop units with electric commutated variable speed motor.
- Reliable 2 stage scroll compressor on all sizes.
- · Upgraded unit control board with intuitive indoor fan adjustment.
- Reliable copper tube / aluminum fin condenser coil with ⁵/₁₆-in. tubing to help reduce refrigerant charge versus prior designs.
- New outdoor fan system with rugged, lightweight high impact composite fan blade.

Installation ease

All RGW/RAW units are field convertible to horizontal air flow, which makes it easy to adjust to unexpected job site complications. RGW/RAW rooftop units





up to 5 tons are specifically designed to fit on our existing roof curbs dating back to 1989 for worry-free original fit. Also, our large control box gives you room to work and room to mount accessory controls. Intuitive controls make setting up the required fan speed simple and accurate. Access to the blower section is no longer needed with the new design.

Easy to maintain

With the new Vane Axial fan and direct drive ECM motor, there is no longer a need to adjust belts or pulleys as in past designs. This frees up maintenance and installation time.

Easy access handles provide quick and easy access to all normally serviced components. Our "no-strip" screw system has superior holding power and guides screws into position while preventing the screw from stripping the unit's metal.

Sloped, corrosion resistant composite drain pan sheds water and won't rust.

RGW units are designed with a naturally draining heat exchanger, unlike positive pressure heat exchangers, does not need to be periodically, manually drained. This saves labor and maintenance expense.

Easy to use

The newly re-designed Unit Control Board puts all connections and troubleshooting points in one convenient place. Most low voltage connections are made to the same board for easy access. Setting up the fan is made simple by an intuitive switch and rotary dial arrangement. RGW/RAW rooftops have high and low pressure switches, a filter drier, and 2-in. filters standard.

X-Vane Fan Technology

Direct drive X-Vane Fan Technology indoor fan system uses vane axial fan design and electrically commutated motors. This new Vane Axial design over past belt drive systems has 75% fewer moving parts, uses up to 40% less energy and has no fan belts, blower bearings and shaft.

Design features include:

- Two-stage cooling capacity control delivers SEERs up to 16.0.
- All models are capable of either vertical or horizontal airflow.
- RGW/RAW rooftop units (RTU) were designed by customers for customers. With "no-strip" screw collars, handled
 access panels, and more the unit is easy to install, easy to maintain, and easy to use. Your new 3 to 5 ton RGW/RAW
 rooftop unit (RTU) provides optimum comfort and control from a packaged rooftop.

WARRANTY

- 1 year parts limited warranty
- 5 year compressor limited warranty
- 10 year heat exchanger limited warranty
- 15 year stainless steel heat exchanger limited warranty

EXTENDED WARRANTY

• 5 year extended parts warranty available

RGW/RAW (continued)

UNIT PERFORMANCE DATA — Two Stage Cooling /Single Circuit

	Nom.	COOLING			GAS HEA	TING	Unit Dimensions	Shipping
UNIT	Tons	Net Cap. (Btuh) EER SEER Int		Input Cap. (Btuh) Stage 2	Thermal Efficiency (%)	H x W x L	Weight lb. [kg]	
RGW036*^DD0AAB	3	35,200	12.0	16.0	65,000 - 90,000	80 - 82	33 ³ / ₈ " x 46 ⁵ / ₈ " x 74 ³ / ₈ "	553 [251]
RGW048*^DD0AAB	4	47,000	12.0	16.0	65,000 - 130,000	80 - 82	33 ³ / ₈ " x 46 ⁵ / ₈ " x 74 ³ / ₈ "	595 [270]
RGW060*^DD0AAB	5	60,000	12.0	16.0	65,000 - 130,000	80 - 82	41 ³ / ₈ " x 46 ⁵ / ₈ " x 74 ³ / ₈ "	640 [291]

UNIT PERFORMANCE DATA — Two Stage Cooling /Single Circuit

UNIT	Nom. Tons		COOLIN	IG	Unit Dimensions	Shipping	
		Net Cap. (Btuh)	EER	SEER	Total Power (kW)	H x W x L	Weight Ib. [kg]
RAW036*0DD0AAB	3	35,200	12.2	16.0	2.9	33 ³ / ₈ " x 46 ⁵ / ₈ " x 74 ³ / ₈ "	508 [231]
RAW048*0DD0AAB	4	47,000	12.2	16.0	3.9	33 ³ / ₈ " x 46 ⁵ / ₈ " x 74 ³ / ₈ "	550 [250]
RAW060*0DD0AAB	5	60,000	12.2	16.0	409	41 ³ / ₈ " x 46 ⁵ / ₈ " x 74 ³ / ₈ "	595 [270]

* Indicates Unit voltage: K = 208/230-1-60, H = 208/230-3-60, L = 460-3-60, S = 575-3-60
^ See model nomenclature listing for gas heating options.
NOTE: BASE MODEL NUMBERS LISTED. SEE MODEL NOMENCLATURE LISTING FOR ADDITIONAL OPTIONS

SINGLE PACKAGE ROOFTOP UNITS WITH X-VANE™ FAN TECHNOLOGY: GAS HEATING/ELECTRIC COOLING (RGV) AND ELECTRIC COOLING/OPTIONAL ELECTRIC HEAT (RAV) 3 – 6 TON

The new 3 to 6 Ton RGV/RAV series rooftop units (RTU) with X-Vane[™] Fan Technology provides value added benefits never seen in this type of equipment before. New major design features include:

- Patented technology utilizes the industry's first beltless direct-drive vane axial fan forrooftop units with electric commutated variable speed motor.
- Reliable fixed speed scroll compressor on 3-5 ton sizes and 2 stage scroll technology on 6 ton sizes.
- · Upgraded unit control board with intuitive indoor fan adjustment.
- Reliable copper tube / aluminum fin condenser coil with ⁵/₁₆-in. tubing to help reduce refrigerant charge versus prior designs.
- New outdoor fan system with rugged, lightweight high impact composite fan blade.



RGV/RAV

RGV/RAV036-072 X≊VaneFan

Installation ease

All RGV/RAV units are field convertible to horizontal air flow, which makes it

easy to adjust to unexpected job site complications. RGV/RAV rooftop units up to 6 tons are specifically designed to fit on our existing roof curbs dating back to 1989 for worry-free original fit. Also, our large control box gives you room to work and room to mount accessory controls. Intuitive controls make setting up the required fan speed simple and accurate. Access to the blower section is no longer needed with the new design.

Easy to maintain

With the new Vane Axial fan and direct drive ECM motor, there is no longer a need to adjust belts or pulleys as in past designs. This frees up maintenance and installation time.

Easy access handles provide quick and easy access to all normally serviced components. Our "no-strip" screw system has superior holding power and guides screws into position while preventing the screw from stripping the unit's metal.

Sloped, corrosion resistant composite drain pan sheds water and won't rust.

RGV units are designed with a naturally draining heat exchanger. Unlike positive pressure heat exchangers, this does not need to be periodically, manually drained. This saves labor and maintenance expense.

Easy to use

The newly re-designed Unit Control Board puts all connections and troubleshooting points in one convenient place. Most low voltage connections are made to the same board for easy access. Setting up the fan is made simple by an intuitive switch and rotary dial arrangement. RGV/RAV rooftops have high and low pressure switches, a filter drier, and 2-in. filters standard.

X-Vane Fan Technology

Direct drive X-Vane Fan Technology indoor fan system uses vane axial fan design and electrically commutated motors. This new Vane Axial design over past belt drive systems has 75% fewer moving parts, uses up to 40% less energy and has no fan belts, blower bearings, or shaft.

Design features include:

- Single-stage units deliver SEERs up to 14.0 and EERs up to 11.8. Two-stage units deliver IEERs up to 15.2 and EERs up to 11.2.
- All models are capable of either vertical or horizontal airflow.
- RGV/RAV rooftop units (RTU) were designed by customers for customers. With "no-strip" screw collars, handled
 access panels, and more the unit is easy to install, easy to maintain, and easy to use. Your new 3 to 6 ton RGV/RAV
 rooftop unit (RTU) provides optimum comfort and control from a packaged rooftop.

WARRANTY

- 1 year parts limited warranty
- 5 year compressor limited warranty
- 10 year heat exchanger limited warranty
- · 15 year stainless steel heat exchanger limited warranty

EXTENDED WARRANTY

· 5 year extended parts warranty available

RGV/RAV (continued)

UNIT PERFORMANC	E DAT	A — Single	Stage Co	ooling /	Single Circuit					
			coc	DLING			GAS HEA	TING		
UNIT	Nom. Tons	Net. Cap (Btuh)				Input Cap. (Btuh) Stage 2 E		Unit Dimensions H x W x L	Shipping Weight Ib. [kg]	
RGV036*^DA0AAA	3	34,400	11.5	14.0	N/A	65,000 -	90,000	80 - 82	33 ³ / ₈ " x 46 ⁵ / ₈ " x 74 ³ / ₈ "	522 [237]
RGV048*^DA0AAA	4	47,000	11.6	14.0	N/A	65,000 - 1	130,000	80 - 82	33 ³ / ₈ " x 46 ⁵ / ₈ " x 74 ³ / ₈	583 [265]
RGV060*^DA0AAA	5	58,500	11.0	14.0	N/A	65,000 - 1	130,000	80 - 82	33 ³ / ₈ " x 46 ⁵ / ₈ " x 74 ³ / ₈	596 [271]
UNIT PERFORMANC	E DAT	A — Two Sta	age Coo	ling /Sir	ngle Circuit					
		COOLING					GAS HEA	TING		
UNIT	Nom. Tons	Net. Cap (Btuh)	EER	SEER	IEER w/ 2-Speed Indoor Fan Motor	Input Cap Stag		Thermal Efficiency (%	Unit Dimensions H x W x L	Shipping Weight Ib. [kg]
RGV072*^DA0AAA	6	70,000	11.0	N/A	15.0	67,000 - 1	150,000 80 - 81		41 ³ / ₈ " x 46 ⁵ / ₈ " x 74 ³ / ₈	647 [294]
UNIT PERFORMANC	E DAT	A — Single :	Stage Co	ooling /s	Single Circuit	•		•	·	•
			-	-	COOLIN					<u>.</u>
UNIT	Non Ton	s Net.	Cap suh)	EEF	SEER	Total Power (kW)	IEER w/ 2-Speed Indoor Fan Motor		Unit Dimensions H x W x L	Shipping Weight Ib. [kg]
RAV036*0DA0AAA	3	34,	400	11.7	′	2.9		N/A	33 ³ / ₈ " x 46 ⁵ / ₈ " x 74 ³ / ₈ "	477 [217]
RAV048*0DA0AAA	4	47,	000	11.8	3 14.0	4.0		N/A	33 ³ / ₈ " x 46 ⁵ / ₈ " x 74 ³ / ₈ "	538 [244]
RAV060*0DA0AAA	5	58,	500	11.2	2 14.0	5.2		N/A	33 ³ / ₈ " x 46 ⁵ / ₈ " x 74 ³ / ₈ "	551 [250]
UNIT PERFORMANC	E DAT	A — Two Sta	age Coo	ling /Sir	ngle Circuit					
					COOLIN	IG				Shipping
UNIT	Non Ton		p (Btuh)	EEF	SEER	Total Power (kW)		// 2-Speed Fan Motor	Unit Dimensions H x W x L	Weight Ib. [kg]
RAV072*0DA0AAA	6	70	000	11.2	N/A	5.7		15.2	41 ³ / ₈ " x 46 ⁵ / ₈ " x 74 ³ / ₈ "	602 [273]

* Indicates Unit voltage: K = 208/230-1-60, H = 208/230-3-60, L = 460-3-60, S = 575-3-60 ^ See model nomenclature listing for gas heating options. NOTE: BASE MODEL NUMBERS LISTED. SEE MODEL NOMENCLATURE LISTING FOR ADDITIONAL OPTIONS

SINGLE PACKAGE HEAT PUMP ROOFTOP UNITS WITH X-VANE™ FAN TECHNOLOGY

The new 3 to 5 ton RHW high efficiency packaged heat pump rooftop units (RTU) with X-Vane[™] Fan Technology were designed by customers for customers and integrate new technology to provide value added benefits never seen in this type of equipment before.

New major design features include:

- · Patented, industry efficient indoor fan system using Vane Axial fan with electric commutated variable speed motor
- Reliable, two stage scroll compressor on all sizes.
- Upgraded unit control board with intuitive indoor fan adjustment
- Reliable copper tube/aluminum fin condenser coil with 5/16-in. tubing to help reduce refrigerant charge versus prior designs
- New outdoor fan system with rugged lightweight high impact composite fan blade

RHW units are specifically designed to fit on roof curbs that were installed back to 1989, which makes replacement easy and eliminates the need for curb adapters or changing utility connections.

Two stage cooling capacity control delivers SEERs up to 16.2 while heating HSPF is as high as 8.3. All models are capable of either vertical or field convertible to horizontal airflow.

The RHW rooftop unit (RTU) was designed by customers for customers. With "no-strip" screw collars, handled access panels, and more, the unit is easy to install, easy to maintain, and easy to use. Your new 3 to 5 ton RHW rooftop unit (RTU) provides optimum comfort and control from a packaged rooftop.

Installation ease

All RHW units are field-convertible to horizontal airflow, which makes it easy to adjust to unexpected job-site complications. Lighter units make for easy replacement. Simple, fast plug-in connections to the standard integrated unit control board (UCB). Clearly labeled connections points to reduce installation time. Also, a large control box provides room to work and room to mount accessory controls.

Easy to maintain

With the new Vane Axial fan system and direct drive ECM motor, there is no longer a need to adjust belts or pulleys as in past designs. This frees up maintenance and installation time.

Easy access handles provide guick and easy access to all normally serviced components. Our "no-strip" screw system has superior holding power and guides screws into position while preventing the screw from stripping the unit's metal.

Sloped, corrosion resistant composite drain pan sheds water and won't rust.

Easy to use

The newly re-designed Unit Control Board puts all connections and troubleshooting points in one convenient place. Most low voltage connections are made to the same board and make it easy to access it. Setting up the fan is simple by an intuitive switch and rotary dial arrangement. RHW rooftops have high and low pressure switches, a filter drier, and 2-in. filters standard.

X-Vane[™] Fan Technology

Direct drive X-Vane Fan Technology indoor fan system uses vane axial fan design and direct drive electrically commutated motors.

This new Vane Axial design over past belt drive systems has 75% fewer moving parts, uses up to 40% less energy and has no fan belts, blower bearings and shaft.

WARRANTY

1 year parts limited warranty, 5 year compressor limited warranty

EXTENDED WARRANTY

1 year extended parts warranty available

UNIT PERFORMANCE DATA — Two Stage Cooling /Single Circuit												
	Nom.		COOLIN	G		Unit Dimensions	Shipping Weight Ib. [kg]					
UNIT	Tons	Net. Cap (Btuh)	EER	SEER	Total Power (kW)	H x W x L						
RHW036*0DA0AAA	3	35,000	12.5	16.2	2.8	33 ³ / ₈ " x 46 ⁵ / ₈ " x 74 ³ / ₈ "	475 [216]					
RHW048*0DA0AAA	4	47,500	12.2	16.2	3.9	41 ³ / ₈ " x 46 ⁵ / ₈ " x 74 ³ / ₈ "	590 [268]					
RHW060*0DA0AAA	5	60,000	12.2	16.2	4.9	41 ³ / ₈ " x 46 ⁵ / ₈ " x 74 ³ / ₈ "	596 [271]					

* Indicates Unit voltage: K = 208/230-1-60, H = 208/230-3-60, L = 460-3-60, S = 575-3-60

NOTE: BASE MODEL NUMBERS LISTED. SEE MODEL NOMENCLATURE LISTING FOR ADDITIONAL OPTIONS

RHW036-060 X₂Vane[®]Fan



SINGLE PACKAGE HEAT PUMP ROOFTOP UNITS WITH X-VANE™ FAN TECHNOLOGY

The new 3 to 6 ton RHV packaged heat pump rooftop units (RTU) with X-VaneTM Fan Technology were designed by customers for customers and integrate new technology to provide value added benefits never seen in this type of equipment before.

New major design features include:

- Patented, industry's efficient indoor fan system using Vane Axial fan with electric commutated variable speed motor
- Reliable, fixed speed scroll compressor on 3-5 ton sizes and 2 stage scroll technology on 6 ton sizes
- · Upgraded unit control board with intuitive indoor fan adjustment
- Reliable copper tube/aluminum fin condenser coil with ⁵/₁₆-in. tubing to help reduce refrigerant charge versus prior designs
- New outdoor fan system with rugged lightweight high impact composite fan blade





RHV units up to 6 tons are specifically designed to fit on roof curbs that were installed back to 1989, which makes replacement easy and eliminates the need for curb adapters or changing utility connections.

Single-stage units deliver SEERs up to 14.3. IEERs up to 15.0 and heating HSPFs up to 8.2. All models are capable of either vertical or horizontal airflow.

The RHV rooftop unit (RTU) was designed by customers for customers. With "no-strip" screw collars, handled access panels, and more, the unit is easy to install, easy to maintain, and easy to use. Precisely sized Suction Line Accumulator to help insure reliable operation at unit operation conditions.

Installation ease

All RHV units are field-convertible to horizontal airflow, which makes it easy to adjust to unexpected job-site complications. Lighter units make for easy replacement. Simple, fast plug-in connections to the standard integrated unit control board (UCB). Clearly labeled connections points to reduce installation time. Also, a large control box provides room to work and room to mount accessory controls.

Easy to maintain

With the new Vane Axial fan system and direct drive ECM motor, there is no longer a need to adjust belts or pulleys as in past designs. This frees up maintenance and installation time.

Easy access handles provide quick and easy access to all normally serviced components. Our "no-strip" screw system has superior holding power and guides screws into position while preventing the screw from stripping the unit's metal. Sloped, corrosion resistant composite drain pan sheds water and won't rust.

Easy to use

The newly re-designed Unit Control Board puts all connections and troubleshooting points in one convenient place. Most low voltage connections are made to the same board and make it easy to access it. Setting up the fan is simple by an intuitive switch and rotary dial arrangement. RHV rooftops have high and low pressure switches, a filter drier, and 2-in. filters standard.

X-Vane[™] Fan Technology

Direct drive X-Vane Fan Technology indoor fan system uses vane axial fan design and direct drive electrically commutated motors.

This new Vane Axial design over past belt drive systems has 75% fewer moving parts, uses up to 40% less energy and has no fan belts, blower bearings and shaft.

WARRANTY

- 1 year parts limited warranty
- 5 year compressor limited warranty

EXTENDED WARRANTY

• 5 year extended parts warranty available

RHV (continued)

LINIT PERFORMANCE DATA - Single Stage Cooling /Single Circuit

UNIT PERFORMANCE	UNIT PERFORMANCE DATA — Single Stage Cooling /Single Circuit													
				COOLIN	G			Shipping						
UNIT	Nom. Tons	Net. Cap (Btuh)	EER	SEER	Total Power (kW)	IEER w/ 2-Speed Indoor Fan Motor	Unit Dimensions H x W x L	Weight lb. [kg]						
RHV036*0DA0AAA	3	36,200	11.8	14.3	3.1	N/A	33 ³ / ₈ " x 46 ⁵ / ₈ " x 74 ³ / ₈ "	467 [212]						
RHV048*0DA0AAA	4	49,500	11.8	14.3	4.2	N/A	33 ³ / ₈ " x 46 ⁵ / ₈ " x 74 ³ / ₈ "	473 [215]						
RHV060*0DA0AAA	5	60,500	60,500 11.8 14.3 5.1 N/A		N/A	41 ³ / ₈ " x 46 ⁵ / ₈ " x 74 ³ / ₈ "	584 [265]							
UNIT PERFORMANCI	E DATA —	- Two Stage Cool	ing /Single	Circuit										
				COOLIN		Shipping								
UNIT	Nom. Tons	Net. Cap (Btuh)	EER	SEER	Total Power (kW)	IEER w/ 2-Speed Indoor Fan Motor	Unit Dimensions H x W x L	Weight Ib. [kg]						
RHV072*0DA0AAA	6	71,000	11.2	N/A	6.3	15.0	41 ³ / ₈ " x 46 ⁵ / ₈ " x 74 ³ / ₈ "	589 [267]						

* Indicates Unit voltage: K = 208/230-1-60, H = 208/230-3-60, L = 460-3-60, S = 575-3-60 NOTE: BASE MODEL NUMBERS LISTED. SEE MODEL NOMENCLATURE LISTING FOR ADDITIONAL OPTIONS

COMMERCIAL RTU 6-27.5 TONS

COMPLIANT

HIGH-EFFICIENCY PACKAGE ELECTRIC COOLING, R-410A SINGLE PACKAGE ROOFTOP 6 - 12.5 TONS (1 & 3-Phase)

BUILT TO LAST, EASY TO INSTALL AND SERVICE

- One-piece, high efficiency electric cooling with a low profile, prewired, tested, and charged at the factory.
- Field convertible from vertical to horizontal airflow on all models. No special kit required on 072-120 models. Field accessory supply duct kit required for 150 size model only.
- Full perimeter base rail with built-in rigging adapters and fork truck slots.
- Pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection.
- · Fully insulated cabinet.
- Single-stage cooling capacity control on 072 models.
- Two-stage cooling capacity control on 073-150 models.
- Single scroll compressor on 073 models, dual scroll compressors on 090-150 models with internal line-break overload protection.
- Two inch disposable fiberglass type return air filters in dedicated rack with toolless filter access door.
- All units have high and low pressure switches.
- Refrigerant circuits contain a liquid line filter drier to trap dirt and moisture.
- Indoor and outdoor coils constructed of aluminum fins mechanically bonded to seamless copper tubes.
- · Newly designed indoor refrigerant header for easier maintenance and replacement.
- Exclusive non-corrosive composite condensate pan in accordance with ASHRAE 62 Standard, sloping design; side or center drain.
- Belt drive evaporator-fan motor and pulley combinations available on all three phase models.
- Access panels with easy grip handles provide quick and easy access to the blower and blower motor, control box, and compressor.
- "No-strip" screw system has superior holding power and guides screws into position while preventing the screw from stripping the unit's metal.
- Central terminal board facilitates simple safety circuit troubleshooting and simplified control box arrangement.
- Outdoor temperature cooling operation range up to 125°F (52°C) and down to 35°F (-2°C) using winter start kit.
- TXV refrigerant metering devices on all models to precisely control refrigerant flow.
- Large, laminated control wiring and power wiring drawings are affixed to unit to make troubleshooting easy.
- Standard, medium, and high static fan motor options available.
- Provisions for thru-the-bottom power entry capabilities.
- Single point electrical connection.

WARRANTY

- 5 year compressor limited warranty
- 1 year standard parts limited warranty

EXTENDED WARRANTY

• 5 year extended parts warranty available













RAH 072-150 (continued)

SINGLE STAGE COOLING						
	NOM.		COOLING		UNIT DIMENSIONS	UNIT WEIGHT
UNIT	TONS	NET CAP. (Btuh)	SEER	EER	H x W x L in (mm)	lb. (kg)
RAH072*0XA0AAA	6	73,000	N/A	12.20	41 ¹ / ₄ x 59 ¹ / ₂ x 88 ¹ / ₈ (1048 x 1510 x 2238)	715 (324)
TWO STAGE COOLING						
	NOM.		COOLING		UNIT DIMENSIONS	UNIT WEIGHT
UNIT	TONS	NET CAP. (Btuh)	SEER	EER	H x W x L in (mm)	lb. (kg)
RAH073*0AA0AAA	6.0	72,000	N/A	12.20	41 ¹ / ₄ x 59 ¹ / ₂ x 88 ¹ / ₈ (1048 x 1510 x 2238)	765 (347)
RAH090*0AA0AAA	7.5	89,000	N/A	12.20	49 ³ / ₈ x 59 ¹ / ₂ x 88 ¹ / ₈ (1253 x 1510 x 2238)	925 (420)
RAH102*0AA0AAA	8.5	97,000	N/A	12.20	49 ³ / ₈ x 59 ¹ / ₂ x 88 ¹ / ₈ (1253 x 1510 x 2238)	925 (420)
RAH110*0AA0AAA	10.0	111,000	N/A	12.00	49 ³ / ₈ x 59 ¹ / ₂ x 88 ¹ / ₈ (1253 x 1510 x 2238)	1090 (495)
RAH120*0AA0AAA	10.0	115,000	N/A	11.70	49 ³ / ₈ x 59 ¹ / ₂ x 88 ¹ / ₈ (1253 x 1510 x 2238)	1090 (495)
RAH150*0AA0AAA	12.5	146,000	N/A	12.40	57 ³ / ₈ x 63 ³ / ₈ x 115 ⁷ / ₈ (1456 x 1609 x 2942)	1430 (649)

HIGH-EFFICIENCY PACKAGE ELECTRIC COOLING, R-410A SINGLE PACKAGE ROOFTOP 15-25 TONS [3-Phase]

BUILT TO LAST, EASY TO INSTALL AND SERVICE

- · One-piece, high efficiency electric cooling with a low profile, prewired, tested, and charged at the factory
- Dedicated vertical and horizontal air flow duct configuration models. No field kits required
- Two stage cooling capacity with independent circuits and control
- · Pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection
- · Fully insulated cabinet
- · Full perimeter base rail with built-in rigging adapters and fork truck slots
- Scroll compressors on all models
- All units have high and low pressure switches
- Two inch disposable fiberglass type return air filters in dedicated rack with tool-less filter access door
- Refrigerant circuits contain a liquid line filter drier to trap dirt and moisture
- Exclusive non-corrosive composite condensate pan in accordance with ASHRAE 62 Standard, sloping design; end drain
- Belt drive evaporator-fan motor and pulley combinations available to meet most applications
- Access panels with easy grip handles provide quick and easy access to the blower and blower motor, control box, and compressors
- "No-strip" screw system has superior holding power and guides screws into position while preventing the screw from stripping the unit's metal.
- Newly designed terminal board facilitates simple safety circuit troubleshooting and simplified control box arrangement
- Standard outdoor temperature cooling operation range up to 125°F (52°C) and down to 35°F to (2°C)
- · TXV metering device on all models to precisely control refrigerant flow
- Large, laminated wiring and power wiring drawings which are affixed to unit make troubleshooting easy
- Capable of thru-the-base or thru-the-curb electrical routing
- Full range of electric heaters and single point electrical connections

WARRANTY

- 5 year compressor limited warranty
- 1 year standard parts limited warranty

EXTENDED WARRANTY

• 5 year extended parts warranty available



15 Ton











RAH 181-303 (continued)

	DEDICATED	NOMINAL	(COOLING		TOTAL	UNIT DIMENSIONS	UNIT WEIGHT
UNIT	AIRFLOW	TONS	Net Cap. (Btuh)	EER	IEER	POWER (kW)	(H x W x L)	lb [kg]
RAH181*0AA0AAA	Vertical	15.0	174,000	12.2	13.2	14.3	48 ³ / ₈ x 86 ³ / ₈ x 127 ⁷ / ₈	1793 [815]
RAH183*0AA0AAA	Horizontal	15.0	174,000	11.8	12.4	14.3	48 ³ / ₈ x 86 ³ / ₈ x 127 ⁷ / ₈	1793 [815]
RAH210*0AA0AAA	Vertical	17.5	202,000	12.2	13.2	16.6	48 ³ / ₈ x 86 ³ / ₈ x 141 ¹ / ₂	2003 [911]
RAH213*0AA0AAA	Horizontal	17.5	202,000	11.7	12.5	16.6	48 ³ / ₈ x 86 ³ / ₈ x 141 ¹ / ₂	2003 [911]
RAH240*0AA0AAA	Vertical	20.0	232,000	12.2	13.4	19.3	48 ³ / ₈ x 86 ³ / ₈ x 141 ¹ / ₂	2148 [976]
RAH243*0AA0AAA	Horizontal	20.0	232,000	11.8	12.9	19.3	48 ³ / ₈ x 86 ³ / ₈ x 141 ¹ / ₂	2148 [976]
RAH300*0AA0AAA	Vertical	25.0	282,000	11.4	12.2	25.2	48 ³ / ₈ x 86 ³ / ₈ x 157 ³ / ₄	2193 [997]
RAH303*0AA0AAA	Horizontal	25.0	282,000	10.9	11.3	25.2	48 ³ / ₈ x 86 ³ / ₈ x 157 ³ / ₄	2193 [997]

RAS 089-180

ELECTRIC COOLING, R-410A SINGLE PACKAGE ROOFTOP 7-1/2 - 15 TONS (3-PHASE)

BUILT TO LAST, EASY TO INSTALL and SERVICE

- Two-stage/two circuit cooling capacity control on 090-180 models
- Two-stage/single circuit cooling capacity control on 089, 100, 119 models
- Rated in accordance with AHRI Standard 340/360
- EERs up to 11.3
- · IEERs up to 12.2 with single speed indoor fan motor
- · IEERs up to 13.0 with 2-speed/VFD indoor fan motor
- Designed in accordance with Underwriters' Laboratories Standard 1995
- · Listed by UL and UL, Canada or ETL and ETL, Canada
- Exclusive non-corrosive composite condensate pan in accordance with ASHRAE 62 Standard, sloping design; side or center drain
- Pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection
- · Fixed refrigerant metering system
- · Fully insulated cabinet
- Cooling operating range from 40°F up to 115°F
- Access panels with easy grip handles and no-strip screw feature
- Two-inch disposable return air filters
- Tool-less filter access door
- Standard belt drive, constant torque motor
- Advanced terminal board for simple safety circuit troubleshooting and control box arrangement
- Field Convertible from vertical to horizontal airflow configuration on all models. No special kit required on 089-150 models. Field accessory supply duct kit required for 180 size models only.
- · Provisions for thru-the-bottom power entry capability
- Single point electric connections
- · Full perimeter base rail with built-in rigging adapters and fork truck slots
- Scroll compressors with internal line-break overload protection Copper tube, aluminum fin coils
- · 24-volt control circuit protected with resettable circuit breaker
- Permanently lubricated evaporator-fan motor
- Permanently lubricated, totally enclosed condenser-fan motors
- Low pressure, freeze protection, and high-pressure switches
- Liquid line filter drier standard

FACTORY OPTIONS INCLUDING BUT NOT LIMITED TO:

- · Economizer and two position damper options
- Disconnect and convenience outlet options
- Multiple optional motor and pulley combinations
- · Corrosion resistant options for evaporator and condenser coils
- 2 speed indoor fan motor on 2 stage cooling models
- · Integrated economizer system. Standard and Ultra Low Leak versions available

WARRANTY

- 5 Year limited warranty on compressor
- 1 Year limited warranty on parts

EXTENDED WARRANTY

• 1 Year extended parts warranty available



RAS-072



RAS089-120



RAS180









RAS 089-180 (continued)

UNIT PERFORMANCE DA	TA — Two St	age Cooling/Si	ngle Circ	uit		
		COOLII	NG		Unit Dimensions	Unit
UNIT	Nominal Tons	Net. Cap (Btuh)			H x W x L Inches (mm)	Weight lb. [kg]
RAS089*0AA0AAA	7-1/2	88,000	11.0	8.0	41-3/8" x 59-1/2" x 88-1/8" (1051 x 1510 x 2238)	705 [320]
RAS100*0AA0AAA	8-1/2	97,000	11.2	8.8	49-3/8" x 59-1/2" x 88-1/8" (1253 x 1510 x 2238)	845 [384]
RAS119*0AA0AAA	10	117,000	11.2	10.6	49-3/8" x 59-1/2" x 88-1/8" (1253 x 1510 x 2238)	855 [388]
UNIT PERFORMANCE DA	TA — Dual S	tage Cooling/T	wo Circui	ts		
		COOLI				
		COOLII	NG		Unit Dimensions	Unit
UNIT	Nominal Tons	Net. Cap (Btuh)	EER	Total Power (kW)	Unit Dimensions H x W x L Inches (mm)	Unit Weight Ib. [kg]
UNIT		Net. Cap			H x W x L	Weight
	Tons	Net. Cap (Btuh)	EER	(kW)	H x W x L Inches (mm)	Weight Ib. [kg]
RAS090*0AA0AAA	Tons 7-1/2	Net. Cap (Btuh) 83,000	EER 11.2	(kW) 7.4	H x W x L Inches (mm) 41-3/8" x 59-1/2" x 88-1/8" (1051 x 1510 x 2238)	Weight Ib. [kg] 760 [345]
RAS090*0AA0AAA RAS102*0AA0AAA	Tons 7-1/2 8-1/2	Net. Cap (Btuh) 83,000 97,000	EER 11.2 11.2	(kW) 7.4 9.0	H x W x L Inches (mm) 41-3/8" x 59-1/2" x 88-1/8" (1051 x 1510 x 2238) 49-3/8" x 59-1/2" x 88-1/8" (1253 x 1510 x 2238)	Weight Ib. [kg] 760 [345] 855 [388]

* Indicates Unit voltage: H = 208/230-3-60, L = 460-3-60, S = 575-3-60 NOTE: BASE MODEL NUMBERS LISTED. SEE MODEL NOMENCLATURE LISTING FOR ADDITIONAL OPTIONS

ASHRAE 90.1 COMPLIANT PACKAGED ROOFTOP ELECTRIC COOLING UNITS, VERTICAL SUPPLY AND RETURN CONFIGURATION ONLY R-410A, 17.5 - 27.5 TONS

BUILT TO LAST, EASY TO INSTALL AND SERVICE

- · One-piece, standard efficiency electric cooling with a low profile, prewired, tested, and charged at the factory
- · Dedicated vertical air flow duct configuration models.
- · Full perimeter base rail with built-in rigging adapters and fork truck slots
- Pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection
- · Fully insulated cabinet
- · Two-stage cooling with independent circuits and control on all models
- · Scroll compressors with internal line-break connections on all models
- · All units have high and low pressure switches
- Two inch disposable fiberglass type return air filters in dedicated rack
- · Refrigerant circuits contain a liquid line filter drier to trap dirt and moisture
- · Round tube plate fin evaporator and condenser coil design
- Exclusive non-corrosive composite condensate pan in accordance with ASHRAE 62 Standard, sloping design; end drain
- Belt drive evaporator-fan motor and pulley combinations available to meet most applications
- Access panels with easy grip handles provide quick and easy access to the blower and blower motor, control box, and compressors.
- "No-strip" screw system has superior holding power and guides screws into position while preventing the screw from stripping the unit's metal.
- Newly designed terminal board facilitates simple safety circuit troubleshooting and simplified control box arrangement
- Standard outdoor temperature cooling operation range up to 115°F (46°C) and down to 35°F (2°C)
- · Fixed orifice metering devices on all models to precisely control refrigerant flow
- Large, laminated control wiring and power wiring drawings are affixed to unit to make troubleshooting easy
- Single point electrical connections

WARRANTY

- 5 Year compressor limited warranty
- · 1 Year parts limited warranty

EXTENDED WARRANTY

• 5 Year extended parts warranty available

UNIT PERFORMANCE DATA – Two Stage Cooling COOLING Unit Net Cap. Total Power Dedicated **Unit Dimensions** Weight Nominal UNIT Airflow Tons (Btuh) EER (kW) HxWxL lb. [kg] RAS210*0AA0AAA Vertical 17.5 208,000 11.0 18.9 49-3/8" x 86-5/8" x 127-7/8' 2243 [1017] RAS240*0AA0AAA Vertical 20 242,000 10.0 24.2 49-3/8" x 86-5/8" x 141-1/2" 2277 [1033] RAS300*0AA0AAA Vertical 25 280,000 10.0 28.0 57-3/8" x 86-5/8" x 141-1/2" 2525 [1145] RAS336*0AA0AAA Vertical 27.5 330,000 10.4 31.7 57-3/8" x 86-5/8" x 157-3/4" 2513 [1142]

* Indicates Unit voltage: H = 208/230–3–60, L = 460–3–60, S = 575–3–60

NOTE: BASE MODEL NUMBERS LISTED. SEE MODEL NOMENCLATURE LISTING FOR ADDITIONAL OPTIONS

Specifications subject to change without notice.

17.5 Ton

RAS 210-336



20 & 25 Ton



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.





HIGH-EFFICIENCY PACKAGE GAS HEATING/ ELECTRIC COOLING, R-410A SINGLE PACK-AGE ROOFTOP 6 TO 12.5 TONS

BUILT TO LAST, EASY TO INSTALL AND SERVICE

- R-410A HFC refrigerant
- ASHRAE 90.1-2013 compliant and ENERGY STAR* qualified
- Two-stage cooling capacity control on 072-150 models
- Rated in accordance with AHRI Standard 340/360
- [072-150 sizes]
 Designed in accordance with Underwriters' Laboratories Standard 1995
- Listed by UL and UL, Canada or ETL, ETL Canada
- Exclusive non-corrosive composite condensate pan in accordance with ASHRAE 62 Standard, sloping design; side or center drain
- Gas efficiencies up to 82%[†]
- Induced draft combustion
- · Redundant gas valve, with 1 or 2 stages of heating
- Pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection
- TXV refrigerant metering device on each circuit.
- Exclusive IGC (Integrated Gas Controller) solid-state control for on-board diagnostics with LED error code designation, burner control logic, energy saving indoor fan motor delay, and anti-cycle protection for gas heat operation
- "Low NOx" models available that meet California Air Quality Management NOx requirements and include stainless steel heat exchangers
- Cooling operating range from 35°F up to 125°F. 110 size model standard cooling operation down to 0°F [-18°C]
- · Access panels with easy grip handles and no-strip screw feature
- Two-inch disposable return air filters
- Tool-less filter access door
- Belt drive evaporator-fan motor and pulley combinations available on all three-phase models
- Central terminal board for simple safety circuit troubleshooting and control box arrangement
 Field convertible from vertical to borizontal airflow on all models. No special kit required on
- Field convertible from vertical to horizontal airflow on all models. No special kit required on 072-120 models. Supply duct kit required for 150 size model only.
- Provisions for thru-the-bottom power entry capability single point gas and electric connections
- Full perimeter base rail with built-in rigging adapters and fork truck slots
- Scroll compressors with internal line-break overload protection
- Copper tube, aluminum fin coils
- · 24-volt control circuit protected with resettable circuit breaker
- Permanently lubricated evaporator-fan motor
- Permanently lubricated, totally enclosed, shaft down condenser motors
- · Low-pressure, freeze protection, and high-pressure switches
- Solid-state electronic direct spark ignition system
- Liquid line filter drier

WARRANTY

- 15 Year limited warranty on optional stainless steel heat exchanger
- 10 Year limited warranty on aluminized heat exchanger
- 5 Year compressor limited warranty
- 1 Year parts limited warranty

EXTENDED WARRANTY

• 5 Year extended parts warranty available

*ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency.

† Gas efficiencies up to 82% achieved by all units except size 150 of standard units and all sizes of low NOx units.











ASHRAE

COMPLIANT

Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



RGH 072-150

RGH 072-150 (continued)

				TW	O STAGE COOLING	à		
			COOLING		GAS HEA	TING	UNIT DIMENSIONS	UNIT
UNIT	NOM. TONS	NET CAP. (Btuh)	SEER	EER	INPUT CAP. (BTUH)	THERMAL EFFICIENCY (%)	H x W x L in (mm)	WEIGHT Ib. (kg)
RGH072*†XA0AAA	6	72,000	N/A	12.00	72,000-150,000	80-82	41 ¹ / ₄ x 59 ¹ / ₂ x 88 ¹ / ₈ (1048 x 1510 x 2238)	765 (347)
RGH090*†XA0AAA	7.5	89,000	N/A	12.00	125,00-224,000	82	49 ³ / ₈ x 59 ¹ / ₂ x 88 ¹ / ₈ (1253 x 1510 x 2238)	925 (420)
RGH102* ⁺ XA0AAA	8.5	97,000	N/A	12.00	125,00-224,000	82	49 ³ / ₈ x 59 ¹ / ₂ x 88 ¹ / ₈ (1253 x 1510 x 2238)	925 (420)
RGH110* ⁺ XA0AAA	10	111,000	N/A	12.00	180,000-250,000	80-82	49 ³ / ₈ x 59 ¹ / ₂ x 88 ¹ / ₈ (1253 x 1510 x 2238)	1090 (495)
RGH120* [†] XA0AAA	10	115,000	N/A	11.50	180,000-250,000	80-82	49 ³ / ₈ x 59 ¹ / ₂ x 88 ¹ / ₈ (1253 x 1510 x 2238)	1090 (495)
RGH150* ⁺ XA0AAA	12.5	146,000	N/A	12.20	150,000-240,000	80-81	57 ³ / ₈ x 63 ³ / ₈ x 115 ⁷ / ₈ (1456 x 1609 x 2942)	1430 (649)

RGH 181-303

HIGH-EFFICIENCY GAS HEAT/ELECTRIC COOLING PACKAGED ROOFTOP 15 TO 25 NOMINAL TONS

BUILT TO LAST, EASY TO INSTALL AND SERVICE

- · One-piece, high efficiency gas heating and electric cooling with a low profile, prewired, tested, and charged at the factory
- Dedicated vertical or horizontal air flow duct configuration models. No field kits required.
- · Full perimeter base rail with built-in rigging adapters and fork truck slots
- Pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection
- Fully insulated cabinet
- · Two-stage cooling with independent circuits and control on all models
- · Redundant gas valve for two stage gas heating capacity control
- Exclusive IGC solid-state control for on-board diagnostics with LED error code designation, burner control logic and energy saving indoor fan motor delay
- · High efficiency, gas heat with induced draft flue exhaust design
- Scroll compressors on all models
- All units have high and low pressure switches
- Two inch disposable fiberglass type return air filters in dedicated rack with tool-less filter
 access door
- · Refrigerant circuits contain a liquid line filter drier to trap dirt and moisture
- Exclusive non-corrosive composite condensate pan in accordance with ASHRAE 62 Standard, sloping design; end drain
- Belt drive evaporator-fan motor and pulley combinations available to meet most applications
- Access panels with easy grip handles provide quick and easy access to the blower and blower motor, control box, and compressors.
- "No-strip" screw system has superior holding power and guides screws into position while preventing the screw from stripping the unit's metal.
- Newly designed terminal board facilitates simple safety circuit troubleshooting and simplified control box arrangement
- Standard outdoor temperature cooling operation range up to 125°F (52°C) and down to 35°F (2°C)
- TXV metering devices on all models to precisely control refrigerant flow
- Large, laminated control wiring and power wiring drawings are affixed to unit to make troubleshooting easy
- Capable of thru-the-base or thru-the-curb gas line routing
- Single point gas and electrical connections

WARRANTY

- 15 Year limited warranty on optional stainless steel heat exchanger.
 10 Year limited warranty on aluminized stainless steel heat exchanger
- 5 Year compressor limited warranty
- 1 Year parts limited warranty

EXTENDED WARRANTY

5 Year extended parts warranty available

		0.11			ita iwo otage	oooning		
			COOLI	NG	GAS HEA	TING		
UNIT	DEDICATED AIRFLOW	NOMINAL TONS	Net Cap. (Btuh)	EER	Input Cap. (Btuh) Stage 2	Thermal Efficiency %	UNIT DIMENSIONS (H x W x L)	UNIT WEIGHT lb. (kg)
RGH181* [†] AA0AAA	Vertical	15	174,000	12.0	220,000-400,000	81	49 ³ / ₈ x 86 ³ / ₈ x 127 ⁷ / ₈	1892 (860)
RGH183*†AA0AAA	Horizontal	15	174,000	11.5	220,000-400,000	81	49 ³ / ₈ x 86 ³ / ₈ x 127 ⁷ / ₈	1892 (860)
RGH210*†AA0AAA	Vertical	17.5	202,000	12.0	220,000-400,000	81	49 ³ / ₈ x 86 ³ / ₈ x 141 ¹ / ₂	2102 (956)
RGH213* [†] AA0AAA	Horizontal	17.5	202,000	11.3	220,000-400,000	81	49 ³ / ₈ x 86 ³ / ₈ x 141 ¹ / ₂	2102 (956)
RGH240*†AA0AAA	Vertical	20	232,000	12.0	220,000-400,000	81	57 ³ / ₈ x 86 ³ / ₈ x 141 ¹ / ₂	2247 (1021)
RGH243*†AA0AAA	Horizontal	20	232,000	11.4	220,000-400,000	81	57 ³ / ₈ x 86 ³ / ₈ x 141 ¹ / ₂	2247 (1021)
RGH300*†AA0AAA	Vertical	25	282,000	11.2	220,000-400,000	81	57 ³ / ₈ x 86 ³ / ₈ x 157 ³ / ₄	2292 (1042)
RGH303*†AA0AAA	Horizontal	25	282,000	10.5	220,000-400,000	81	57 ³ / ₈ x 86 ³ / ₈ x 157 ³ / ₄	2292 (1042)

Unit Performance Data — Two Stage Cooling

* Indicates Unit voltage: H = 208/230-3-60, L = 460-3-60, S = 575-3-60

[†] See model number nomenclature listing for gas heating options



15 Ton









ASHRAE 90.1 COMPLIANT PACKAGE GAS HEATING/ELECTRIC COOLING, R-410A SINGLE PACKAGE ROOFTOP 7.5 – 15 TONS

BUILT TO LAST, EASY TO INSTALL and SERVICE

- R-410A HFC refrigerant
- ASHRAE 90.1 energy compliant efficiency levels
- Two stage / two circuit cooling capacity control on 090-180 models
- Two stage /single circuit cooling capacity control on 089, 100, 199 models
- Rated in accordance with AHRI Standard 340/360 •
- Designed in accordance with Underwriters' Laboratories Standard 1995 •
- Listed by UL and UL, Canada or ETL and ETL, Canada ٠
- Exclusive non-corrosive composite condensate pan in accordance with ASHRAE 62 • Standard, sloping design; side or center drain
- Gas efficiencies up to 82% ٠
- Induced draft combustion •
- Redundant gas valve, with 1 or 2 stages of heating •
- Pre-painted exterior panels and tested to 500 hours salt sprav protection •
- Fixed refrigerant metering system ٠
- Fully insulated cabinet
- Exclusive IGC solid-state control for on-board diagnostics with LED error code designation, burner control logic.
- Cooling operating range from 40°F up to 115°F. •
- Access panels with easy grip handles and no-strip screw feature •
- Two-inch disposable return air filters •
- Tool-less filter access door •
- Standard belt drive, constant torque motor •
- Advanced terminal board for simple safety circuit troubleshooting and control box arrangement
- Field Convertible from vertical to horizontal airflow on all models. No special kit • required on 089-150 models. Field accessory supply duct kit required for 180 size model only
- Provisions for thru-the-bottom power entry capability •
- Single point gas and electric connections
- Full perimeter base rail with built-in rigging adapters and fork truck slots
- Scroll compressors with internal line-break overload protection
- Copper tube, aluminum fin coils •
- 24-volt control circuit protected with resettable circuit breaker •
- Permanently lubricated evaporator-fan motor •
- Permanently lubricated, totally enclosed, shaft down condenser motors •
- Low pressure, freeze protection, and high pressure switches •
- Exclusive IGC anti-cycle protection for gas heat operation •
- Solid-state electronic direct spark ignition system •
- Flame roll-out safety protector •
- Liquid line filter drier •

WARRANTY

- 15 Year limited warranty on stainless steel heat exchanger •
- 10 Year limited warranty on aluminized heat exchanger
- 5 Year limited warranty on compressor
- 1 Year limited warranty on parts

EXTENDED WARRANTY

5 Year extended parts warranty available





RGS180











RGS 089-180

RGS 072-180 (continued)

UNIT PERFORMANCE DATA — Dual Stage Cooling /Single Circuit											
	Nominal	COOLII	NG	GAS HEA	TING	Unit Dimensions	Shipping				
UNIT	Tons	Net. Cap (Btuh)	EER	Input Cap. (Btuh) Stage 2	Thermal Efficiency (%)	H x W x L	Weight lb. [kg]				
RGS089*^AA0AAA	7 ¹ / ₂	88,000	11.0	125,000 - 224,000	80 - 82	41 ¹ / ₄ " x 59 ¹ / ₂ " x 88 ¹ / ₈ "	810 [367]				
RGS100*^AA0AAA	8 ¹ / ₂	97,000	11.0	125,000 - 224,000	82	49 ³ / ₈ " x 59 ¹ / ₂ " x 88 ¹ / ₈ "	910 [413]				
RGS119*^AA0AAA	10	117,000	11.0	180,000 - 250,000	80 - 82	49 ³ / ₈ " x 59 ¹ / ₂ " x 88 ¹ / ₈ "	965 [438]				
UNIT PERFORMANCE	DATA — Du	ual Stage Coo	oling / Tw	o Circuits							
	Nominal	COOLII	NG	GAS HEA	TING	Unit Dimensions	Shipping				
UNIT	Nominal Tons	COOLII Net. Cap (Btuh)	NG EER	GAS HEA Input Cap. (Btuh) Stage 2	TING Thermal Efficiency (%)	Unit Dimensions H x W x L	Shipping Weight Ib. [kg]				
UNIT RGS090*^AA0AAT		Net. Cap	-	Input Cap. (Btuh)	Thermal		Weight				
	Tons	Net. Cap (Btuh)	EER	Input Cap. (Btuh) Stage 2	Thermal Efficiency (%)	HxWxL	Weight Ib. [kg]				
RGS090*^AA0AAT	Tons 7 1/ ₂	Net. Cap (Btuh) 83,000	EER 11.0	Input Cap. (Btuh) Stage 2 125,000 - 224,000	Thermal Efficiency (%) 82	H x W x L 41 ¹ / ₄ " x 59 ¹ / ₂ " x 88 ¹ / ₈ "	Weight Ib. [kg] 810 [367]				
RGS090*^AA0AAT RGS102*^AA0AAT	Tons 7 1/ ₂ 8 1/ ₂	Net. Cap (Btuh) 83,000 99,000	EER 11.0 11.0	Input Cap. (Btuh) Stage 2 125,000 - 224,000 125,000 - 224,000	Thermal Efficiency (%) 82 80 - 82	H x W x L 41 1/4" x 59 1/2" x 88 1/8" 49 3/8" x 59 1/2" x 88 1/8"	Weight Ib. [kg] 810 [367] 910 [413]				

* Indicates Unit voltage: H = 208/230-3-60, L = 460-3-60, S = 575-3-60 ^ See model nomenclature listing for gas heating options. NOTE: BASE MODEL NUMBERS LISTED. SEE MODEL NOMENCLATURE LISTING FOR ADDITIONAL OPTIONS

ASHRAE 90.1 COMPLIANT PACKAGE GAS HEATING/ELECTRIC COOLING, VERTICAL SUPPLY/RETURN AIR CONFIGURATION ONLY R-410A SINGLE PACKAGE ROOFTOP 17.5 – 27.5 TONS

BUILT TO LAST, EASY TO INSTALL and SERVICE

- One-piece, standard efficiency gas heating and electric cooling with a low profile, prewired, tested, and charged at the factory
- · Dedicated vertical air flow duct configuration models
- Full perimeter base rail with built-in rigging adapters and fork truck slots
- Pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection
- Fully insulated cabinet
- Two-stage cooling with independent circuits and control on all models
- · Redundant gas valve for two stage gas heating capacity control
- Exclusive IGC solid-state control for on-board diagnostics with LED error code designation, burner control logic and energy saving indoor fan motor delay
- High efficiency, gas heat with induced draft flue exhaust design
- Scroll compressors with internal line-break connections on all models
- All units have high and low pressure switches
- Two inch disposable fiberglass type return air filters in dedicated rack
- Refrigerant circuits contain a liquid line filter drier to trap dirt and moisture
- · Round tube plate fin evaporator and condenser coil design
- Exclusive non-corrosive composite condensate pan in accordance with ASHRAE 62 Standard, sloping design; end drain
- Belt drive evaporator-fan motor and pulley combinations available to meet most applications
- Access panels with easy grip handles provide quick and easy access to the blower and blower motor, control box, and compressors
- "No-strip" screw system has superior holding power and guides screws into position while preventing the screw from stripping the unit's metal.
- Newly designed terminal board facilitates simple safety circuit troubleshooting and simplified control box arrangement
- Standard outdoor temperature cooling operation range up to 115°F (46°C) and down to 30°F (-1°C)
- Fixed orifice metering devices on all models to precisely control refrigerant flow
- Large, laminated control wiring and power wiring drawings are affixed to unit to make troubleshooting easy
- · Single point gas and electrical connections

WARRANTY

- 15 Year limited warranty on optional stainless steel heat exchanger
 10 Year limited warranty on aluminized steel heat exchanger
- 5 Year compressor limited warranty
- 1 Year parts limited warranty

EXTENDED WARRANTY

· 5 Year extended parts warranty available

UNIT PERFORMANCE DATA — Two Stage Cooling

	Dedicated	Nominal	COOLI	NG	GAS HEA	ATING	Unit Dimensions	Shipping
UNIT	Airflow	Tons	Net. Cap (Btuh)	EER	Input Cap. (Btuh) Stage 2	Thermal Efficiency (%)	H x W x L	Weight lb. [kg]
RGS210*^AA0AAA	Vertical	17.5	208,000	10.8	220,000 - 400,000	81.0	49 ³ / ₈ " x 86 ⁵ / ₈ " x 127 ⁷ / ₈ "	1948 [884]
RGS240*^AA0AAA	Vertical	20.0	242,000	9.8	220,000 - 400,000	81.0	49 ³ / ₈ " x 86 ⁵ / ₈ " x 141 ¹ / ₂ "	2098 [952]
RGS300*^AA0AAA	Vertical	25.0	280,000	9.8	220,000 - 400,000	81.0	57 ³ / ₈ " x 86 ⁵ / ₈ " x 141 ¹ / ₂ "	2234 [1013]
RGS336*^AA0AAA	Vertical	27.5	330,000	10.2	220,000 - 400,000	81.0	57 ³ / ₈ " x 86 ⁵ / ₈ " x 157 ³ / ₄ "	2668 [1210]

* Indicates Unit voltage: H = 208/230-3-60, L = 460-3-60, S = 575-3-60

^ See model nomenclature listing for gas heating options.
NOTE: BASE MODEL NUMBERS LISTED. SEE MODEL NOMENCLATURE LISTING FOR ADDITIONAL OPTIONS



17.5 Ton



20 and 25 Ton







HIGH-EFFICIENCY PACKAGE HEAT PUMPS, R-410A SINGLE PACKAGE ROOFTOP 6 - 10 TONS [1 & 3-Phase] BUILT TO LAST, EASY TO INSTALL AND SERVICE

- ASHRAE 90.1-2013 compliant and ENERGY STAR* certified
- SEERs up to 15.8, EERs up to 12.8
- IEERs up to 14.0 with single speed indoor fan motor
- IEERs up to 15.6 with 2-speed/VFD indoor fan motor
- Exclusive non-corrosive composite condensate pan in accordance with ASHRAE 62 Standard, sloping design; side or center drain
- Convertible from vertical to horizontal airflow for slab mounting. Supply duct kit required for 120 size models.
- · Copper tube aluminum fin coils with optional corrosion resistant coils
- · Pre-painted exterior panels and primer coated interior panels tested to 500 hours salt spray protection
- TXV refrigerant metering system on each circuit
- Cooling operating range up to $125^{\circ}F$ ($52^{\circ}C$) and down to $30^{\circ}F$ ($-1^{\circ}C$)
- · Solid-state control board and easy access terminal board
- Refrigerant filter drier and accumulator on each refrigerant circuit
- · Automatic changeover when used with auto-changeover thermostat
- Rated in accordance with AHRI Standards 340/360 (072-120)
- Designed in accordance with Underwriters' Laboratories Std 1995
- Listed by UL and UL, Canada or ETL, ETL Canada
- · Access panels with easy grip handles
- · Innovative, easy starting, no strip screw features on unit access panels.
- Two-inch disposable return air filters
- Tool-less filter access door
- Belt drive evaporator-fan motor and pulley combinations available on all three phase sizes to meet any application
- Central terminal board facilitating simple safety circuit troubleshooting and simplified control box arrangement
- Thru-the-bottom power entry capability standard
- Single point electric connections
- · Full perimeter base rail with built-in rigging adapters & fork truck slots
- Scroll compressors with internal line break overload protection
- Dependable Time / Temperature defrost board and logic
- 24-volt control circuit protected with resettable circuit breaker
- · Permanently lubricated evaporator-fan motor
- · Totally enclosed condenser motors with permanently lubricated bearings
- · Loss of charge, freeze protection, and high-pressure switches

OPTIONS AND ACCESSORIES INCLUDING BUT NOT LIMITED TO:

- 115-volt convenience outlet (powered and unpowered)
- Non-fused disconnect switch
- · Economizer with db, enthalpy or CO₂ control options
- · Corrosion resistant coil options for evaporator and condenser
- Multiple indoor fan motors for expanded airflow capability (3ph)
- · Accessory electric heat (field-installed option only)
- Smoke detectors Supply and Return air
- Hinged access panels
- 2-Speed indoor fan motor with VFD controller on 072 to 120 size models
- Standard and Ultra low leak economizers available

WARRANTY

- 5 Year compressor limited warranty
- 1 Year parts limited warranty

EXTENDED WARRANTY

- 5 Year extended parts warranty available
- * ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency.



RHH 072-120

RHH072-120



in single phase









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RHH 072-120 (continued)

UNIT PERFORMANCE DATA

UNIT PERFORMAN	CE DAI	4							
		COOLING			HE	ATING		Unit Dimensions	l la it
BASE MODEL	Nom Tons	Net Cap. (Btuh)	SEER	EER	High Cap. (Btuh)	HSPF	СОР	Unit Dimensions H x W x L in. (mm)	Unit Weight Ibs (kg)
RHH072*0AA0AAA	6	72,000	N/A	12.0	70,000	N/A	3.4	41 / ₈ x 59 / ₂ x 88 / ₈ (1051 x 1510 x 2238)	710 (322)
RHH073*0AA0AAA	6	70,000	N/A	12.0	69,000	N/A	3.4	41 ³ / ₈ x 59 ¹ / ₂ x 88 ¹ / ₈ (1051 x 1510 x 2238)	710 (322)
RHH090*0AA0AAA	7 ¹ / ₂	90,000	N/A	12.1	84,000	N/A	3.5	49 ³ / ₈ x 59 ¹ / ₂ x 88 ¹ / ₈ (1253 x 1510 x 2238)	875 (397)
RHH102*0AA0AAA	8 ¹ / ₂	100,000	N/A	12.0	100,000	N/A	3.4	49 ³ / ₈ x 59 ¹ / ₂ x 88 ¹ / ₈ (1253 x 1510 x 2238)	1020 (463)
RHH120*0AA0AAA	10	119,000	N/A	12.3	116,000	N/A	3.5	57 ³ / ₈ x 63 ³ / ₈ x 115 ⁷ / ₈ (1456 x1 609 x 2942)	1390 (632)

* Indicates Unit voltage: K = 208/230-1-60, H = 208/230-3-60, L = 460-3-60, S = 575-3-60

RHS 090-150

PACKAGED HEAT PUMP UNIT R-410A SINGLE PACKAGE ROOFTOP 7.5 - 12.5 TONS

BUILT TO LAST, EASY TO INSTALL AND SERVICE

- R-410A HFC refrigerant
- ASHRAE 90.1 Energy Compliant
- EER up to 11.2
- IEER up to 12.5 with single speed indoor fan motor and up to 12.7 with 2-speed /VFD indoor fan motor
- COP up to 3.5
- · Two-stage cooling capacity control on 090 to 150 models
- Exclusive non-corrosive composite condensate pan in accordance with ASHRAE 62 Standard, sloping design; side or center drain
- Convertible from vertical to horizontal airflow for slab mounting
- Copper tube aluminum fin coils with optional corrosion resistant coils
- Pre-painted exterior panels and tested to 500 hours salt spray protection
- · Fixed orifice refrigerant metering system
- Cooling operating range up to 115°F (46°C) and down to 25°F (-4°C)
- Solid-state control board and easy access terminal board
- Refrigerant filter drier and accumulator on each refrigerant circuit
- Automatic changeover when used with auto-changeover thermostat
- Rated in accordance with AHRI Standards 340/360
- Designed in accordance with Underwriters Laboratories Std 1995
- · Listed by UL and UL, Canada or ETL and ETL, Canada

MAINTENANCE FEATURES

- Access panels with easy grip handles
- Innovative, easy starting, no strip screw features on unit access panels
- Two-inch disposable return air filters with tool-less filter access door
- Belt drive evaporator-fan motor and pulley combinations available on all sizes to meet any application
- Central terminal board facilitating simple safety circuit troubleshooting and simplified control box arrangement

INSTALLATION FEATURES

- Thru-the-bottom power entry capability standard
- Single point electric connections
- Full perimeter base rail with built-in rigging adapters and fork truck slots

RELIABILITY FEATURES

- Scroll compressors with internal line break overload protection
- Dependable Time / Temperature defrost board and logic
- 24-volt control circuit protected with resettable circuit breaker
- Permanently lubricated evaporator-fan motor

- Totally enclosed condenser motors with permanently lubricated bearings
- Loss of charge, freeze protection, and high-pressure switches

FACTORY OPTIONS INCLUDING BUT NOT LIM-ITED TO:

- 115-volt convenience outlet (non-powered)
- Non-fused disconnect switch
- Economizer with db, enthalpy or CO₂ control options
- Corrosion resistant coil options for evaporator and condenser
- Multiple indoor fan motors for expanded airflow capability (3 phase)
- Accessory electric heat (field-installed option only)
- 2 speed indoor fan motor on 2 stage cooling models.
- Integrated economizer system. Low leak and ultra low leak versions available.

WARRANTY

- 5 year compressor limited warranty
- 1 year parts limited warranty

WARRANTY

• 5 year extended parts warranty available



RHS090-102



RHS 072-150 (continued)

	NOMINAL	COOLI	NG	HEATIN	IG	UNIT DIMENSIONS	UNIT	
BASE MODEL	TONS	NET CAP. (BTUH)	EER	NET CAP. (BTUH)	СОР	H x W x L (in.)	WEIGHT lb (kg)	
RHS090*0AA0AAT	7.5	88,000	11.20	86,000	3.4	49 ³ / ₈ x 59 ¹ / ₂ x 88 ¹ / ₈	885 (401)	
RHS102*0AA0AAT	8.5	99,000	11.20	96,000	3.3	49 ³ / ₈ x 59 ¹ / ₂ x 88 ¹ / ₈	910 (413)	
RHS120*0AA0AAT	10	117,000	11.00	116,000	3.3	49 ³ / ₈ x 59 ¹ / ₂ x 88 ¹ / ₈	1050 (476)	
RHS150*0AA0AAT	12.5	142,000	10.60	142,000	3.2	57 ³ / ₈ x 63 ³ / ₈ x 115 ⁷ / ₈	1370 (623)	

* Indicates unit voltage: H = 208/230-3-60, L = 460-3-60, S = 575-3-60

ASHRAE 90.1 COMPLIANT PACKAGED ROOFTOP HEAT PUMP UNITS, R-410A, 15 - 20 TONS

BUILT TO LAST, EASY TO INSTALL AND SERVICE

- · IEERs up to 11.5 with single speed indoor fan motor and up to 12.0 with 2-speed/VFD indoor fan motor
- One-piece electric heating and electric cooling units with a low profile, prewired, tested, and charged at the factory
- Dedicated vertical or horizontal air flow duct configuration models. No field kits required.
- · Full perimeter base rail with built-in rigging adapters and fork truck slots
- · Pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection
- · Fully insulated cabinet
- Two-stage cooling with independent circuits and control on all models
- · Scroll compressors with internal line-break overload protection on all models
- All units have loss of charge, freeze protection and high pressure switches
- Two inch disposable fiberglass type return air filters in dedicated rack with tool-less filter
 access door
- · Liquid line filter drier and refrigerant accumulator on each circuit
- Dependable time/temperature defrost logic provides a defrost cycle, if needed, every 30, 60, 90, or 120 minutes and is adjustable
- · Copper round tube and aluminum plate fin condenser and evaporator coils
- Exclusive non-corrosive composite condensate pan in accordance with ASHRAE 62 Standard, sloping design; end drain
- · Belt drive evaporator-fan motor and pulley combinations available to meet most applications
- Access panels with easy grip handles provide quick and easy access to the blower and blower motor, control box, and compressors.
- "No-strip" screw system has superior holding power and guides screws into position while preventing the screw from stripping the unit's metal.
- Newly designed terminal board facilitates simple safety circuit troubleshooting and simplified control box arrangement
- Outdoor temperature cooling operation range up to 115°F (46°C) and down to 30°F (-15°C). Low ambient controls are available for cooling operation down to -20°F (-29°C).
- · TXV metering devices on all models to precisely control refrigerant flow
- Large, laminated control wiring and power wiring drawings are affixed to unit to make troubleshooting easy
- · Standard, medium and high static fan motor options available (Standard static not available on horizontal 20 ton models)
- · Optional 2-Speed Indoor Fan Motor System utilizes a Variable Frequency Drive (VFD) to automatically adjust
- the indoor fan motor speed between cooling stages. Available on 2-stage cooling models
- · Provisions for thru-the-bottom or side power entry capability
- · Single point electrical connections

WARRANTY

- · 5 Year compressor limited warranty
- · 1 Year parts limited warranty

EXTENDED WARRANTY

· 5 Year extended parts warranty available

UNIT PERFORMANCE DATA – Two Stage Cooling

		- IWO	Stage CO	oning					
			COOLI	COOLING		NG	Total		Unit
UNIT	Dedicated Airflow	Nom. Tons	Net Cap. (Btuh)	EER	HighCap. (Btuh)	СОР	Power (kW)	Unit Dimensions H x W x L Inches (mm)	Weight Ib. [kg]
RHS181*0AA0AAA	Vertical	15	172,000	10.8	166,000	3.3	15.9	49-3/8 x 86-3/8 x 127-7/8 (1253 x 2194 x 3249)	1775 [807]
RHS183*0AA0AAA	Horizontal	15	172,000	10.8	166,000	3.3	15.9	49-3/8 x 86-3/8 x 127-7/8 (1253 x 2194 x 3249)	1775 [807]
RHS240*0AA0AAA	Vertical	20	232,000	10.6	220,000	3.3	21.9	49-3/8 x 86-3/8 x 141-1/2 (1253 x 2194 x 3595)	2100 [955]
RHS243*0AA0AAA	Horizontal	20	232,000	10.6	220,000	3.3	21.9	49-3/8 x 86-3/8 x 141-1/2 (1253 x 2194 x 3595)	2100 [955]

* Indicates Unit voltage: H = 208/230-3-60, L = 460-3-60, S = 575-3-60

NOTE: BASE MODEL NUMBERS LISTED. SEE MODEL NOMENCLATURE LISTING FOR ADDITIONAL OPTIONS

Specifications subject to change without notice



RHS 181-243



CERTIFIED



COMMERCIAL SPLIT SYSTEMS 6-27.5 TONS

COMMERCIAL SPLIT SYSTEMS CONDENSING UNITS R-410A, 6 to 20 TONS

BUILT TO LAST, EASY TO INSTALL AND SERVICE

- Single and 2 stage capacity on 072 - 150 models
- Dual circuit models 181 241 •
- Terminal board facilitating simple safety circuit troubleshooting and simplified control box
- Outdoor temperature cooling operation range up to 125°F (52°C) and down to 35°F (2°C)
- All models utilize copper tube / aluminum plate fin coils
- Brass suction and liquid line service valves
- Full perimeter base rail with built-in rigging adapters • and fork truck slots
- Pre-painted exterior panels and primer-coated interior • panels tested to 500 hours salt spray protection
- Compressors mounted on independent vibration isolators
- High capacity filter drier is supplied for each circuit. Field installation is required
- Comfort Alert™ Diagnostic Controller
 - LED Go-No-Go and fault code
 - Built in time guard anti-short cycle
 - 3-phase fault protection -
 - Fault code retention logic
 - Low volt compressor contactor protector
- · All units have high and low pressure switches
- Direct drive permanently lubricated condenser fan motors
- · UL and UL, Canada apply to standard units; 575 volt units UL. Canada only WARRANTY
- 5 Year compressor limited warranty
- 1 Year parts limited warranty EXTENDED WARRANTY
- 5 Year extended parts warranty available



UNIT PERFORMANCE	DATA ¹ — Sin	gle Circuit					
		cooling			Total	Unit Dimensions	Ship
model number	Nominal Capacity (Ton)	Net Capacity (BTUH)	EER	IEER (2-speed)	Power (kW)	H x W x L inches [mm]	Weight Ib / kg
CAS072*AA0A00A	6.0	70,000	11.5	12.9	6.1	42 ³ / ₈ x 59 ³ / ₈ x 45 ⁷ / ₈ [1077 x 1508 x 1164]	389 / 176
CAS072*GA0A00A	6.0	70,000	12.0	14.0	5.8	42 ³ / ₈ x 59 ³ / ₈ x 45 ⁷ / ₈ [1077 x 1508 x 1164]	389 / 176
CAS091*AA0A00A	7.5	92,000	11.2	12.9	8.2	42 ³ / ₈ x 59 ³ / ₈ x 45 ⁷ / ₈ [1077 x 1508 x 1164]	391 / 177
CAS091*GA0A00A	7.5	92,000	11.2	14.0	8.2	42 ³ / ₈ x 59 ³ / ₈ x 45 ⁷ / ₈ [1077 x 1508 x 1164]	391 / 177
CAS121*AA0A00A	10	117,000	10.3	12.9	10.4	50 ³ / ₈ x 59 ³ / ₈ x 45 ⁷ / ₈ [1279 x 1507 x 1164]	490 / 222
CAS151*AA0A00A	12.5	148,000	11.0	12.4	13.5	50 ³ / ₈ x 59 ³ / ₈ x 45 ⁷ / ₈ [1279 x 1507 x 1164]	598 / 271
CAS181*AA0A00A	15	184,000	11.2	14.3	16.4	50 ³ / ₈ x 86 ³ / ₈ x 45 ¹ / ₈ [1279 x 2193 x 1148]	731 / 322
CAS241*AA0A00A	20	240,000	11.0	13.6	21.8	50 ³ / ₈ x 86 ³ / ₈ x 67 ¹ / ₈ [1279 x 2193 x 1704]	978 / 444
UNIT PERFORMANCE	DATA ¹ — Dua	al Circuit		•			
CAS120*DA0A00A	10	117,000	10.3	13.0	10.4	50 ³ / ₈ x 59 ³ / ₈ x 45 ⁷ / ₈ [1279 x 1507 x 1164]	516 / 234
CAS150*DA0A00A	12.5	148,000	11.0	12.4	13.5	50 ³ / ₈ x 59 ³ / ₈ x 45 ⁷ / ₈ [1279 x 1507 x 1164]	654 / 297
CAS180*DA0A00A	15	184,000	11.2	12.6	16.4	50 ³ / ₈ x 86 ³ / ₈ x 45 ¹ / ₈ [1279 x 2193 x 1148]	731 / 322
CAS240*DA0A00A	20	240,000	11.0	12.0	21.8	50 ³ / ₈ x 86 ³ / ₈ x 67 ¹ / ₈ [1279 x 2193 x 1704]	978 / 444

*Indicates unit voltage: H = 208/230-3-60, L = 460-3-60, S = 575-3-60

¹Above ratings are with matching size air-handling unit.

COMMERCIAL SPLIT SYSTEMS HEAT PUMP UNITS **R-410A, 6-20 TONS**

BUILT TO LAST, EASY TO INSTALL AND SERVICE

- single stage capacity on 072 and 121, single and 2 stage capacity 091, 2 stage / 2 circuit 180 -240
- All models utilize round copper tube, aluminum plate fin condenser coils (RTPF)
- · Brass suction and liquid line service valves
- · Fully hermetic scroll compressors with crankcase heater and suction line accumulators
- · Compressors include overload protection and vibration isolation for further enhancement of quiet operation
- Comfort Alert[™] Diagnostic Controller
 - LED Go-N-Go and fault code Built in time guard anti-short cycle Phase protection Fault code retention logic Low volt compressor contactor protector
- · Full perimeter base rail with built-in rigging adapters and fork truck slots
- Pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection
- Filter drier standard with each unit (shipped for field installation)
- · Direct drive permanently lubricated condenser fan motors
- Newly designed terminal board facilitates simple safety circuit troubleshooting and simplified control box arrangement
- · All units have high pressure and loss of charge protection
- Outdoor temperature cooling operation range up to 125°F (52°C) and down to 35°F (2°C)
- Models with optional low ambient control provide cooling operation down to -20°F (-29°C)
- UL and UL, Canada apply to standard units; 575-volt units UL, Canada only on 072 to 121 models
- · High Capacity filter drier on each refrigerant circuit

WARRANTY

- 5 Year compressor limited warranty
- 1 Year parts limited warranty

EXTENDED WARRANTY

5 Year extended parts warranty available

UNIT PERFORMA	NCE DATA	A ¹ – Single C	Circuit				
			COOLING				
Model Number	Cooling Circuits	Nominal Capacity Ton	Net Capacity BTUH	EER	Total Power (KW)	Unit Dimensions H x W x L Inches [mm]	Ship Weight Ib. / kg
CHS072*AA0A00A	1	6	70,000	11.0	6.4	42-3/8 x 59-3/8 x 45-7/8 [1077 x 1508 x 1164]	444 / 201
CHS091*AA0A00A	1	7.5	89,000	11.0	8.1	42-3/8 x 59-3/8 x 45-7/8 [1077 x 1508 x 1164]	483 / 219
CHS121*AA0A00A	1	10	112,000	11.0	10.2	50-3/8 x 59-3/8 x 45-7/8 [1279 x 1507 x 1164]	575 / 261
UNIT PERFORMA	NCE DATA	A ¹ – Dual Cir	cuit				
CHS180*DA0A00A	2	15	178,000	10.6	16.8	50-3/8 x 86-3/8 x 45-1/8 [1279 x 2193 x 1148]	768 / 348
CHS240*DA0A00A	2	20	222,000	10.7	20.8	50-3/8 x 86-3/8 x 67-1/8 [1279 x 2193 x 1704]	1015 / 460

 * – Indicates Unit voltage: H = 208/230-3-60, L = 460-3-60, S = 575-3-60 1 – Above ratings are with matching size air handling unit

Specifications subject to change without notice





CHS240



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



FAS

DIRECT EXPANSION COMMERCIAL PACKAGED AIR HANDLING UNITS, 6 - 30 TONS BUILT TO LAST, EASY TO INSTALL AND SERVICE

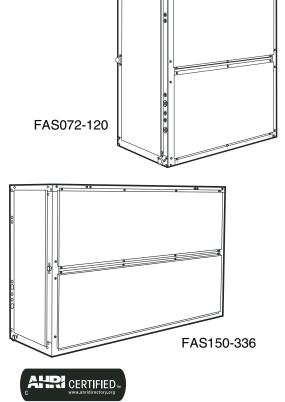
- Multi-position design for horizontal or vertical installation without modification
- Two sloped condensate pans on each unit for horizontal or vertical applications
- Standard sloped drain pans and cleanable insulation treated with Environmental Protection Agency (EPA) registered antimicrobial agent improves indoor air quality
- High-static design meets a wider range of applications than competitive packaged air handler lines
- Ultra low leak economizer accessory provides ventilation air and "free" cooling with built in Fault Detection and Diagnostic (FDD) capabilities
- Single refrigerant circuit on 072 and 091 sizes. Dual refrigerant circuit on 120-336 sizes
 Dual circuit can be field modified for use on single circuit condensers
- Cooling coils with mechanically bonded fins provide peak heat transfer
- · Optional 2-speed indoor fan with VFD controller
- Standard factory-installed thermostatic expansion valve (TXV) with removable power element
- Easy maintenance removal of single panel allows access to virtually all components
- Die-formed galvanized steel casings provide durability and structural integrity. Optional paint is available
- 24-volt terminal block for control wiring connection
- Hot water coil, steam coil, and electric heat accessories are available

WARRANTY

• 1 Year parts limited warranty

EXTENDED WARRANTY

• 5 Year extended parts warranty available



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



UNIT PERFORMANCE DATA				
UNIT	NOMINAL TONS	NUMBER OF CIRCUITS	UNIT DIMENSIONS H X W X L [MM]	UNIT WEIGHT LB. [KG]
FAS072*AAA0A0A	6	1	56 ^{1/} ₁₆ -in. x 49-in. x 28 ^{3/} ₁₆ -in. [1424 x 1244 x 714]	399 [181]
FAS091*AAA0A0A	7.5	1	56 ^{1/} ₁₆ -in. x 49-in. x 28 ^{3/} ₁₆ -in. [1424 x 1244 x 714]	404 [183]
FAS120*AAA0A0A	10	2	56 ^{1/} ₁₆ -in. x 49-in. x 28 ^{3/} ₁₆ -in. [1424 x 1244 x 714]	425 [193]
FAS150*AAA0A0A	12.5	2	56 ^{1/} ₁₆ -in. x 89-in. x 28 ^{3/} ₁₆ -in. [1424 x 2261 x 714]	695 [315]
FAS180*AAA0A0A	15	2	56 ^{1/} ₁₆ -in. x 89-in. x 28 ^{3/} ₁₆ -in. [1424 x 2261 x 714]	713 [323]
FAS240*AAA0A0A	20	2	56 ^{1/} ₁₆ -in. x 89-in. x 28 ^{3/} ₁₆ -in. [1424 x 2261 x 714]	730 [331]
FAS300*AAA0A0A	25	2	65 ^{9/} ₁₆ -in. x 100 ¹ / ₂ -in. x 32 ⁵ / ₈ -in. [1665 x 2553 x 829]	1050 [477]
FAS336*AAA0A0A	30	2	65 ^{9/} ₁₆ -in. x 100 ¹ / ₂ -in. x 32 ⁵ / ₈ -in. [1665 x 2553 x 829]	1062 [482]

* Indicates Unit voltage: K = 208/230-1-60, H = 208/230-3-60, M = 208/230/460-3-60, L = 460-3-60, S = 575-3-60 NOTE: BASE MODEL NUMBERS LISTED. SEE MODEL NOMENCLATURE LISTING FOR ADDITIONAL OPTIONS.



COMMERCIAL PACKAGED HEAT PUMP AIR HANDLER UNITS, 6 – 25 TONS BUILT TO LAST, EASY TO INSTALL AND SERVICE

- Multi-position design for horizontal or vertical installation without modification
- Two sloped condensate pans on each unit for horizontal or vertical applications
- Standard sloped drain pans and cleanable insulation treated with Environmental Protection Agency (EPA) registered antimicrobial agent improves indoor air quality
- High-static design meets a wide range of applications than competitive package air handler lines
- Economizer accessory provides ventilations air and "free" cooling
- Single refrigerant circuit on 072 and 091 sizes. Dual refrigerant circuit on 120 to 240 sizes. Dual circuit can be field modified for use on single circuit condensers
- Single blower on 072 to 120 sizes, dual blower on FHS180 & 240 sizes
- Optional 2-speed indoor fan with VFD controller 072 to 240 ton sizes
- High efficiency copper tube / aluminum coils
- Standard factory-installed thermo-static expansion valve (TXV) with removable power element
- Easy maintenance removal of single panel allows access to virtually all components
- Die-formed galvanized steel casings provide durability and structural integrity. Optional paint is available
- 24-volt terminal block for control wiring connection.
- Hot water coil, steam coil, and electric heat accessories are available.

WARRANTY

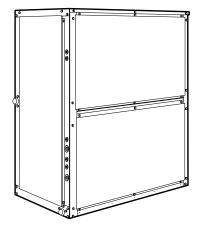
• 1 Year parts limited warranty

EXTENDED WARRANTY

· 5 Year extended parts warranty available

UNIT PERFORMANCE DATA								
UNIT	Nominal Tons	Number of Circuits	Unit Dimensions H x W x L Inches [mm]	Unit Weight Ib. [kg]				
FHS072*AAA0A0A	6	1	56-1/16 x 49 x 28-3/16 [1424 x 1244 x 714]	381 [173]				
FHS091*AAA0A0A	7 ½	1	56-1/16 x 49 x 28-3/16 [1424 x 1244 x 714]	385 [175]				
FHS120*AAA0A0A	10	2	56-1/16 x 49 x 28-3/16 [1424 x 1244 x 714]	427 [194]				
FHS180*AAA0A0A	15	2	56-1/16 x 89 x 28-3/16 [1424 x 2261 x 714]	713 [323]				
FHS240*AAA0A0A	20	2	56-1/16 x 89 x 283/16 [1424 x 2261 x 714]	720 [327]				

* Indicates Unit voltage: K = 208/230–1–60, M = 208/230/460–3–60, H = 208/230–3–60, L = 460–3–60, S = 575–3–60 NOTE: BASE MODEL NUMBERS LISTED. SEE MODEL NOMENCLATURE LISTING FOR ADDITIONAL OPTIONS





INDOOR AIR QUALITY

FN1AAF

OptiClean[™] Negative Air Machine and Air Scrubber

The OptiClean[™] negative air machine is a portable solution primarily designed to help convert normal hospital rooms into Airborne Infectious Isolation (AII) rooms. Designed to ASHRAE's Standard 170 for Ventilation of Health Care Facilities, the OptiClean[™] uses highly efficient filters and a heavy duty, yet quiet, motor to remove contaminated air from the room. The resulting negative air pressure, or "vacuum effect," helps limit the spread of air -based contaminants into surrounding areas. If negative pressure is not required, such as in an open-air, temporary hospital, a business location or home, the machine can be used as an air "scrubber," pulling air in, removing many contaminants, and discharging cleaner air back into the room. The unit can be operated either vertically as shown, or horizontally.

STANDARD FEATURES

- 99.97% efficient long-life HEPA filter removes particles as small as 0.3 microns
- Standard MERV 7 or higher pre-filter
- Minimum 200 CFM, Maximum 1500 CFM
- Meets or exceeds ASHRAE Standard 170: Ventilation of Health Care Facilities
- Vertical design for smaller footprint compared to many competitors, and can be mounted and operated horizontally when necessary
- Portable and adaptable to nearly any location
- · Heavy duty locking casters for easy and smooth transport
- · HEPA filter rack and sealing design meet air leakage requirement
- Red lighted indicator to alert user when filters are overloaded (generally means pre-filter requires replacement)
- · Green ON/OFF switch illuminates to verify when running
- 3-second motor start delay
- · 3-speed selector switch on 006 and 015 models for various air flow ranges
- · 10-foot long power cord with strain relief
- 115V
- · Galvanized steel, pre-painted cabinet is fully insulated
- Exhaust transition plate to standard 10-inch round (005/006 sizes) or 12-inch oval (015 size) duct included
- UL[®] Listed
- One-year limited warranty

Model	CFM (Nominal)	Height* inches (mm)	Width inches (mm)	Depth inches (mm)	Operating Weight lbs (kg)
FN1AAF006000	500	49-5/8 (1260.5)	17-5/8 (447.7)	22-1/6 (560.4)	125 (56.7)
FN1AAF015000	500/1000/ 1500	53-7/16 (1357.3)	21-1/8 (536.6)	22-1/6 (560.4)	150 (68.0)

*Height without casters. Add 3-5/8" (92.1 mm) when casters installed.



Accessory usage guides available by model family on HVACpartners or in the Technical Information section on www.goicpcommercial.com