

RETROAIRE™

VPRC/VPRH

R-410A Vertical Packaged Air Conditioner/Heat Pump
9,000-36,000 Btuh (2.6-10.5 kW)

HH(F,L,R)71

Vertical Packaged Hydronic Heat Section

Service Parts Manual



RetroAire
A Division of ECR International
2201 Dwyer Ave.
Utica, NY 13504
Phone: (800) 228-9364 Fax: (800) 232-9364
www.RetroAire.com



Table of Contents

VPRC/VPRH Model Number Nomenclature.....	3
Serial Number Nomenclature	5
VPRC/VPRH09 Service Parts	6
VPRC/VPRH12 Service Parts	10
VPRC/VPRH18 Service Parts	14
VPRC/VPRH19 Service Parts	17
VPRC/VPRH24 Service Parts	20
VPRC/VPRH30 Service Parts	23
VPRC/VPRH36 Service Parts	26
HH(F,L,R)71 Model Number Nomenclature	29
HH(F,L,R)71 Service Parts.....	30

Note: Part Numbers are subject to change. Call Customer Service to verify Part Numbers. When calling Customer Service, please have the complete model and serial number available. This information can be found on the unit's rating plate. This information is critical in identifying replacement part numbers

VPRC/VPRH Model Number Nomenclature

The following chart depicts the Model Number Nomenclature.

Alpha-Numeric:	AA	AA	NN	A	A/N	N	A	A	A	A	A/N	A
Position:	1,2	3,4	5,6	7	8	9	10	11	12	13	14	15
Example:	VP	RC	09	D	5	1	B	A	B	T	0	A
Product Family: VP – Vertical Package												
Duty: RC – Straight Cool RH – Heat Pump												
Cooling Capacity: 09 – 9,000 Btuh 12 – 12,000 Btuh 18 – 18,000 Btuh 19 – 18,000 Btuh 24 – 24,000 Btuh 30 – 30,000 Btuh 36 – 36,000 Btuh												
Voltage: D – 208/230-1-60 E – 265-1-60												
Auxiliary Heat Options: (Electric Heat @ 230 V): 0 – No Heat 1 – 10 kW (19-36 Only) 3 – 3 kW (09-24 Only) 4 – 4 kW (09-24 Only) 5 – 5 kW (09-36) 7 – 7 kW (19-24 Only) or 7.5 kW (30-36 Only) 8 – Hydronic Heat (09-24 Only) A – 15 kW (36 Only)												
Control Options: 1 – Front Control Box (Std) 2 – Right Control Box (09-24 Only) 3 – Left Control Box (09-24 Only) 4 – Front Control Box, Disconnect (Up to 5 kW Electric Heat) (09-24 Only) 5 – Right Control Box, Disconnect (Up to 5 kW Electric Heat), (09-24 Only) 6 – Left Control Box, Disconnect (Up to 5 kW Electric Heat), (09-24 Only)												
Replacement/Duct Options: A – 10" Round Duct Collar (09-12 Only) B – Standard C – Carrier 50ET/QT Replacement (09-18 Only)												

Continued on next page.

Alpha-Numeric:	AA	AA	NN	A	A/N	N	A	A	A	A	A/N	A
Position:	1,2	3,4	5,6	7	8	9	10	11	12	13	14	15
Example:	VP	RC	09	D	5	1	B	A	B	T	0	A
Hydronic Heat Options: A – None (Non-Hydronic Heat Units) B – Right Hand Piping, Sweat Connections C – Left Hand Piping, Sweat Connections D – Front Piping, Sweat Connections E – Right Hand Piping, Ball Valves, P/T Ports F – Left Hand Piping, Ball Valves, P/T Ports G – Front Piping, Ball Valves, P/T Ports H – Right Hand Piping, Auto-Balancing Valves J – Left Hand Piping, Auto-Balancing Valves K – Front Piping, Auto-Balancing Valves												
Coil Options: B – Standard Al Fin/Cu Tube Condenser Coil C – Coated Condenser Coil												
Compressor:												
Standard/Special: 0 = Standard Unit A-Z = Special Unit												
Design Revision:												

Serial Number Nomenclature

The following chart depicts the Serial Number Nomenclature.

Alpha-Numeric:	N	-	NN	-	A	-	NNNN	-	NN
Position:	1	-	2,3	-	4	-	5-8	-	9,10
Example:	1	-	09	-	B	-	0001	-	07
Production Location 1 = Rome, NY									
Year of Manufacture 05 = 2005 06 = 2006 07 = 2007									
Month of Manufacture A = January B = February C = March D = April E = May F = June G = July H = August J = September K = October L = November M = December									
Production Number									
Week of Manufacture									

In the example, the unit was produced in February 2009 during the 7th fiscal week.

VPRC09 – 9,000 Btuh (2.6 kW) R-410A Single Packaged Vertical Unit – Cooling Only
VPRH09 – 9,000 Btuh (2.6 kW) R-410A Single Packaged Vertical Unit – Limited Range Heat Pump
Service Parts

VPRC/VPRH09 Service Parts

Item	Fig.	Description/Part Number	Comments	Model / Voltage – Part Quantity			
				VPRC09		VPRH09	
				208/230	265	208/230	265
Cabinet, Frame and Skin Group							
100		Base 109007418AJ		1		1	
101		Plate, Drain Cover 109007696	Uninsulated	3		3	
102		Screw/Washer Assembly 240003867		12		12	
103		Drain Stub 550001988	Position 10 = C Inc.: 103A	1		1	
103A		Screw/Washer Assembly 240003867		2		2	
104		Corner Post, Rear 109007363	Uninsulated	2		2	
105		Corner Post, Front 109007369	Uninsulated	2		2	
106		Rear Panel 109007362	Uninsulated	1		1	
107		Panel, Divider 109007364	Uninsulated	1		1	
108		Panel, Front 109007366	Uninsulated	1		1	
109		Panel, Right or Left 109007367	Uninsulated	2		2	
110		Panel, Top 109007370	Uninsulated	1		1	
120		Cover, Drain Valve 550001993 Valve, Drain 225000001	Position 10 = C (VPRH)	1		1	
130		Mounting Bracket, Hydronic 109003242	Position 8 = 8	-		1	
130				2		2	
Coils, Compressors and Refrigerant Component Group							
200		Compressor Kit 550001958	Inc. 200A-G	1		1	
200A		Grommet, Compressor 240007436		3		3	
200B		Overload, Compressor 101000328		1		1	
200C		Spring, Overload 240007435		1		1	
200D		Terminal Cover, Compressor 240007431		1		1	
200E		Terminal Cover, Gasket 240007432		1		1	
200F		Nut, Terminal Cover 240007433		1		1	
200G		Washer, Terminal Cover 240007434		1		1	
201		Pin, Compressor Mounting 109004184		3		3	
202		Clip, Compressor Pin 240003412		3		3	
203		Washer, Compressor Pin 240003413		3		3	
210		Coil, Indoor 104000091		1		1	
211		Capillary Tube 240007011	0.054" x 27" BLU	1		1	

Key: Inc. – Includes
 PSN – Prior Serial Number
 Ref. - Reference Only
 Repl. – Replaces
 R/B – Replaced By
 SSN – Starting Serial Number

VPRC09 – 9,000 Btuh (2.6 kW) R-410A Single Packaged Vertical Unit – Cooling Only
VPRH09 – 9,000 Btuh (2.6 kW) R-410A Single Packaged Vertical Unit – Limited Range Heat Pump
Service Parts

Item	Fig.	Description/Part Number	Comments	Model / Voltage – Part Quantity			
				VPRC09		VPRH09	
				208/230	265	208/230	265
212		Capillary Tube 240007011	0.054" x 27" BLU	-		1	
213		Check Valve 116000001		-		1	
220		Drain Pan 109007372AJ		1		1	
222		Drain Hose 240002200		2.5 ft.		2.5 ft.	
223		Clamp, Hose 240002215		1		1	
230		Coil, Outdoor 104000091 104000423	Std. Al Fin/Cu Tube Coated Al Fin/Cu Tube	1 1		1 1	
240		Reversing Valve 240004659		-		1	
241		Solenoid, Reversing Valve 240004640		-		1	
Air Management Group							
300		Blower 240000225		1		1	
301		Housing, Blower 109004366		1		1	
302		Housing, Cover 109000967		1		1	
303		Indoor Fan Motor 102000159		1		1	
304		Indoor Motor Mount 109000875		1		1	
310		Outdoor Fan Motor 130000003 102000020	Std Motor Position 10 = C	1 1		1 1	
311		Outdoor Motor Mount 240002268		1		1	
312		Clamp, Hose 208000002		1		1	
313		Condenser Fan Blade 240001756		1		1	
314		Outdoor Shroud, Top 109002321		1		1	
315		Outdoor Shroud 109002506		1		1	
320		Baffle, Left 109004640	Position 10 = C	1		1	
321		Baffle, Right 109004641	Position 10 = C	1		1	
322		Baffle, Top 109004642	Position 10 = C	1		1	
330		Duct, Fresh Air 240001270	Compressed Length	5 in.		5 in.	
331		Duct Collar 240001271		2		2	
332		Clamp, Hose 240003130		2		2	
333		Plate, Damper 109002329		1		1	
334		Cover, Fresh Air Damper 109007746		1		1	
340		Electric Heater 240001430 240000366 240000377 240000368	2 kW @ 230 V 3 kW @ 230 V 4 kW @ 230 V 5 kW @ 230 V	- 1 1 1		- 1 1 1	
341		Limit Switch 240000275		1		1	

Key: Inc. – Includes
 PSN – Prior Serial Number
 Ref. - Reference Only
 Repl. – Replaces
 R/B – Replaced By
 SSN – Starting Serial Number

VPRC09 – 9,000 Btuh (2.6 kW) R-410A Single Packaged Vertical Unit – Cooling Only
VPRH09 – 9,000 Btuh (2.6 kW) R-410A Single Packaged Vertical Unit – Limited Range Heat Pump
Service Parts

Item	Fig.	Description/Part Number	Comments	Model / Voltage – Part Quantity			
				VPRC09		VPRH09	
				208/230	265	208/230	265
902		Drain Stub Kit 550001988	Reference Only Inc. 902A-B				
902A		Drain Stub 109007466AJ		1		1	
902B		Screw/Washer Assembly 240003867		2		2	

Key: Inc. – Includes
 PSN – Prior Serial Number
 Ref. - Reference Only
 Repl. – Replaces
 R/B – Replaced By
 SSN – Starting Serial Number

VPRC12 – 12,000 Btuh (3.5 kW) Single Packaged Vertical Unit – Straight Cool
VPRH12 – 12,000 Btuh (3.5 kW) Single Packaged Vertical Unit – Limited Range Heat Pump
Service Parts

Item	Fig.	Description/Part Number	Comments	Model / Voltage – Part Quantity			
				VPRC12		VPRH12	
				208/230	265	208/230	265
350		10" Round Duct Collar 109003224	Position 10 = A	1		1	
351		Gasket, Duct Collar 240002515	Position 10 = A	1		1	
360		Filter 240003102	16" x 25" x 1"	1		1	
361		Filter Bracket, Left/Right 109007473		2		2	
362		Filter Bracket, Bottom 109007546		1		1	
Controls and Electrical Group							
400		Control Box 109007374	Uninsulated	1		1	
401		Control Board 240007903		1		1	
402		Sensor, Coil 24004364		2		2	
403		Capacitor 126000003	IFM 370 V/5 µF	1		1	
404		Boot, Capacitor 126000009		1		1	
405		Capacitor 126000026	Comp/OFM 370 V/35/5 µF	1		1	
406		Boot, Capacitor 126000019	Dual Capacitor	1		1	
407		Bushing, 1-1/2" x 1-5/16" 240000539		1		1	
408		High Pressure Switch 240006981		1		1	
409		Transformer 240001264		1		1	
420		Relay, DPDT 118000012	Position 8 = 8 Freeze T'Stat Relay	1		1	
425		Terminal Block, Low Voltage 240002095		1		1	
430		Disconnect Switch 240002343		1		1	
431		J-Box, Disconnect 240004076		1		1	
432		J-Box Cover, Disconnect 240001939		1		1	
		Cover, No Disconnect 109007541		1		1	
440		Line Cord 240004543	240 V, 6-15P	1		1	
		240004544	240 V, 6-20P	1		1	
		240004545	240 V, 6-30P	1		1	
441		Bushing, Strain Relief 206000014		1		1	
450		Molex Repair Kit 550002058	Assortment of Plugs, Pins, and Sockets	1		1	
Accessory Group							
900		Access Panel 240003010C	Ref. Only, Incl: 900A No Heat/Electric Heat				
900A		Filter 240002375	20" x 20" x 1"	1		1	

Key: Inc. – Includes
 PSN – Prior Serial Number
 Ref. - Reference Only
 Repl. – Replaces
 R/B – Replaced By
 SSN – Starting Serial Number

VPRC18 – 18,000 Btuh (5.3 kW) R-410A Single Packaged Vertical Unit – Cooling Only
VPRH18 – 18,000 Btuh (5.3 kW) R-410A Single Packaged Vertical Unit – Limited Range Heat Pump
Service Parts

Item	Fig.	Description/Part Number	Comments	Model / Voltage – Part Quantity			
				VPRC18		VPRC18	
				208/230	265	208/230	265
240		Reversing Valve 240007059		-		1	
241		Solenoid, Reversing Valve 240004640		-		1	
245		Accumulator 136000001		-		1	
Air Management Group							
300		Blower 240000225		1		1	
301		Housing, Blower 109004366		1		1	
302		Housing, Cover 109000967		1		1	
303		Indoor Fan Motor 102000046		1		1	
304		Indoor Motor Mount 109000875		1		1	
310		Outdoor Fan Motor 102000162		1		1	
311		Outdoor Motor Mount 240007499		1		1	
313		Condenser Fan Blade 240007407		1		1	
315		Panel, Orifice 109007402		1		1	
334		Plate, Damper Cover 109002328		1			
340		Electric Heater 240001430	2 kW @ 230 V	-		-	
		240000366	3 kW @ 230 V	1		1	
		240000377	4 kW @ 230 V	1		1	
		240000368	5 kW @ 230 V	1		1	
341		Limit Switch 240000275		1		1	
350		10" Round Duct Collar 109003224	Position 10 = A	1		1	
351		Gasket, Duct Collar 240002515	Position 10 = A	1		1	
360		Filter 240003102	16" x 25" x 1"	1		1	
361		Filter Bracket, Left/Right 109007473		2		2	
362		Filter Bracket, Bottom 109007546		1		1	
Controls and Electrical Group							
400		Control Box 109007374	Uninsulated	1		1	
401		Control Board 240007903		1		1	
402		Sensor, Coil 24004364		2		2	
403		Capacitor 126000003	IFM 370 V/5 µF	1		1	
404		Boot, Capacitor 126000009	Single Capacitor	1		1	
405		Capacitor 126000025	Comp/OFM 370 V/30/5 µF	1		1	
406		Boot, Capacitor 126000019	Dual Capacitor	1		1	
407		Bushing, 1-1/2" x 1-5/16" 240000539		1		1	
408		High Pressure Switch 240007109		1		1	

Key: Inc. – Includes
 PSN – Prior Serial Number
 Ref. - Reference Only
 Repl. – Replaces
 R/B – Replaced By
 SSN – Starting Serial Number

VPRC18 – 18,000 Btuh (5.3 kW) R-410A Single Packaged Vertical Unit – Cooling Only
VPRH18 – 18,000 Btuh (5.3 kW) R-410A Single Packaged Vertical Unit – Limited Range Heat Pump
Service Parts

Item	Fig.	Description/Part Number	Comments	Model / Voltage – Part Quantity			
				VPRC18		VPRC18	
				208/230	265	208/230	265
409		Transformer 240001264		1		1	
420		Relay, DPDT 118000012	Position 8 = 8 Freeze T'Stat Relay	1		1	
425		Terminal Block, Low Voltage 240002095		1		1	
430		Disconnect Switch 240002343		1		1	
431		J-Box, Disconnect 240004076		1		1	
432		J-Box Cover, Disconnect 240001939		1		1	
		Cover, No Disconnect 109007541		1		1	
440		Line Cord 240004543	240 V, 6-15P	1		1	
		240004544	240 V, 6-20P	1		1	
		240004545	240 V, 6-30P	1		1	
441		Bushing, Strain Relief 206000014		1		1	
450		Molex Repair Kit 550002058	Assortment of Plugs, Pins, and Sockets	1		1	
Accessory Group							
900		Access Panel 240003010C	Ref. Only, Incl: 900A No Heat/Electric Heat				
900A		Filter 240002375	20" x 20" x 1"	1		1	
901		10" Round Duct Accessory 550001066	Reference Only Inc. 901A-B				
901A		10" Round Duct Collar 109003224		1		1	
901B		Gasket, Duct Collar 240002515		1		1	

Key: Inc. – Includes
 PSN – Prior Serial Number
 Ref. - Reference Only
 Repl. – Replaces
 R/B – Replaced By
 SSN – Starting Serial Number

VPRC19 – 18,000 Btuh (5.3 kW) R-410A Single Packaged Vertical Unit – Cooling Only
VPRH19 – 18,000 Btuh (5.3 kW) R-410A Single Packaged Vertical Unit – Limited Range Heat Pump
Service Parts

VPRC/VPRH19 Service Parts

Item	Fig.	Description/Part Number	Comments	Model / Voltage – Part Quantity			
				VPRC19		VPRH19	
				208/230	265	208/230	265
Cabinet, Frame and Skin Group							
100		Base 109007438AJ	Requires Rivet Nuts	1		1	
101		Plate, Drain Cover 109007696	Uninsulated	3		3	
102		Screw/Washer Assembly 240003867		8		8	
104		Corner Post, Rear 109007441	Uninsulated	2		2	
105		Corner Post, Front 109007445	Uninsulated	2		2	
106		Rear Panel 109007442	Uninsulated	1		1	
107		Panel, Divider 109007443	Uninsulated	1		1	
108		Panel, Front 109007446	Uninsulated	1		1	
109		Panel, Right or Left 109007444	Uninsulated	2		2	
110		Panel, Top 109007447	Uninsulated	1		1	
120		Cover, Drain Valve 550001993		1		-	
		Valve, Drain 225000001		-		1	
130		Mounting Bracket, Hydronic 109003242	Position 8 = 8	2		2	
Coils, Compressors and Refrigerant Component Group							
200		Compressor Kit 550002025	Inc.: 200A-J	1		1	
200A		Grommet, Compressor 240004838		4		4	
200H		Compressor Harness 240004559		1		1	
200J		Sleeve, Compressor 240004528		4		4	
210		Coil, Indoor 104000179		1		1	
210A		Distributor 240002090	4 Feed	1		1	
211		Piston 240007060	0.047	1		1	
211A		O-Ring 240004693		1		1	
212		Capillary Tube 240007061	0.070" x 45" BLK	-		1	
213		Check Valve 116000001		-		1	
220		Drain Pan 109007372AJ		1		1	
222		Drain Hose 240002200		4.0 ft.		4.0 ft.	
223		Clamp, Hose 240002215		1		1	
230		Coil, Outdoor 104000286	Std. Al Fin/Cu Tube	1		1	
		104000425	Coated Al Fin/Cu Tube	1		1	

Key: Inc. – Includes
 PSN – Prior Serial Number
 Ref. - Reference Only
 Repl. – Replaces
 R/B – Replaced By
 SSN – Starting Serial Number

VPRC19 – 18,000 Btuh (5.3 kW) R-410A Single Packaged Vertical Unit – Cooling Only
VPRH19 – 18,000 Btuh (5.3 kW) R-410A Single Packaged Vertical Unit – Limited Range Heat Pump
Service Parts

Item	Fig.	Description/Part Number	Comments	Model / Voltage – Part Quantity			
				VPRC19		VPRH19	
				208/230	265	208/230	265
240		Reversing Valve 240007059		-		1	
241		Solenoid, Reversing Valve 240004640		-		1	
Air Management Group							
301		Housing, Blower 240006899	Inc. Blower Wheel	1		1	
301A		Housing, Restrictor 109007468		1		1	
303		Indoor Fan Motor 102000090		1		1	
304		Indoor Motor Mount, Arm 240006319		3		3	
305		Indoor Motor Mount, Band 240003093		1		1	
310		Outdoor Fan Motor 102000083		1		1	
311		Outdoor Motor Mount 240002411		1		1	
312		Clamp, Hose 208000002		1		1	
313		Condenser Fan Blade 240002412		1		1	
314		Outdoor Shroud, Top 109004357		1		1	
315		Outdoor Shroud 109003158		1		1	
316		Baffle, Water 109003202		1		1	
330		Duct, Fresh Air 240001270	Compressed Length	5 in.		5 in.	
331		Duct Collar 240001271		2		2	
332		Clamp, Hose 240003130		2		2	
333		Plate, Damper 109002329		1		1	
334		Cover, Fresh Air Damper 109007746		1		1	
340		Electric Heater 240000366 240000377 240004244 240000368 240002496 240003000	3 kW @ 230 V 4 kW @ 230 V 4 kW @ 230 V 5 kW @ 230 V 7 kW @ 230 V 10 kW @ 230 V	1		1	
				1		1	
				-		-	
				1		1	
				1		1	
				1		1	
341		Limit Switch 240000275 240002127	Position 8 = 3, 4 or 5 Position 8 = 1 or 7	1		1	
				1		1	
342		Duct Guard 109005717	Position 8 = 1 or 7	1		1	
360		Filter 240003102	16" x 25" x 1"	1		1	
361		Filter Bracket, Left/Right 109007473		2		2	
362		Filter Bracket, Bottom 109007546		1		1	
Controls and Electrical Group							
400		Control Box 109007374	Uninsulated	1		1	
401		Control Board 240007903		1		1	
402		Sensor, Coil 24004364		2		2	

Key: Inc. – Includes
 PSN – Prior Serial Number
 Ref. - Reference Only
 Repl. – Replaces
 R/B – Replaced By
 SSN – Starting Serial Number

VPRC24 – 24,000 Btuh (7.0 kW) R-410A Single Packaged Vertical Unit – Cooling Only
VPRH24 – 24,000 Btuh (7.0 kW) R-410A Single Packaged Vertical Unit – Limited Range Heat Pump
Service Parts

Item	Fig.	Description/Part Number	Comments	Model / Voltage – Part Quantity			
				VPRC24		VPRH24	
				208/230	265	208/230	265
Air Management Group							
301		Housing, Blower 240006899	Inc. Blower Wheel	1		1	
301A		Housing, Restrictor 109007468		1		1	
303		Indoor Fan Motor 102000090		1		1	
304		Indoor Motor Mount, Arm 240006319		3		3	
305		Indoor Motor Mount, Band 240003093		1		1	
310		Outdoor Fan Motor 102000083		1		1	
311		Outdoor Motor Mount 240002411		1		1	
312		Clamp, Hose 208000002		1		1	
313		Condenser Fan Blade 240002412		1		1	
314		Outdoor Shroud, Top 109004357		1		1	
315		Outdoor Shroud 109003158		1		1	
316		Baffle, Water 109003202		1		1	
330		Duct, Fresh Air 240001270	Compressed Length	5 in.		5 in.	
331		Duct Collar 240001271		2		2	
332		Clamp, Hose 240003130		2		2	
333		Plate, Damper 109002329		1		1	
334		Cover, Fresh Air Damper 109007746		1		1	
340		Electric Heater 240000366	3 kW @ 230 V	1		1	
		240000377	4 kW @ 230 V	1		1	
		240004244	4 kW @ 230 V	-		-	
		240000368	5 kW @ 230 V	1		1	
		240002496	7 kW @ 230 V	1		1	
		240003000	10 kW @ 230 V	1		1	
341		Limit Switch 240000275	Position 8 = 3, 4 or 5	1		1	
		240002127	Position 8 = 1 or 7	1		1	
342		Duct Guard 109005717	Position 8 = 1 or 7	1		1	
360		Filter 240003102	16" x 25" x 1"	1		1	
361		Filter Bracket, Left/Right 109007473		2		2	
362		Filter Bracket, Bottom 109007546		1		1	
Controls and Electrical Group							
400		Control Box 109007374	Uninsulated	1		1	
401		Control Board 240007903		1		1	
402		Sensor, Coil 24004364		2		2	
403		Capacitor 126000003	IFM 370 V/5 µF	1		1	
404		Boot, Capacitor 126000009	Single Capacitor	1		1	

Key: Inc. – Includes
 PSN – Prior Serial Number
 Ref. - Reference Only
 Repl. – Replaces
 R/B – Replaced By
 SSN – Starting Serial Number

VPRC24 – 24,000 Btuh (7.0 kW) R-410A Single Packaged Vertical Unit – Cooling Only
VPRH24 – 24,000 Btuh (7.0 kW) R-410A Single Packaged Vertical Unit – Limited Range Heat Pump
Service Parts

Item	Fig.	Description/Part Number	Comments	Model / Voltage – Part Quantity			
				VPRC24		VPRH24	
				208/230	265	208/230	265
405		Capacitor 126000026	Comp/OFM 370 V/35/5 µF	1		1	
406		Boot, Capacitor 126000019	Dual Capacitor	1		1	
407		Bushing, 1-1/2" x 1-5/16" 240000539		1		1	
408		High Pressure Switch 240006981		1		1	
409		Transformer 240001264		1		1	
414		Contact, Compressor 240002653		1		1	
420		Relay, DPDT 118000012	Position 8 = 8 Freeze T'Stat Relay	1		1	
421		Contractor, Electric Heat 240000499	Position 8 = 1 or 7	1		1	
425		Terminal Block, Low Voltage 240002095		1		1	
426		Terminal Block, Ground 212000015	Non-Line Cord Units	1		1	
430		Disconnect Switch 240002343		1		1	
431		J-Box, Disconnect 240004076		1		1	
432		J-Box Cover, Disconnect 240001939		1		1	
		Cover, No Disconnect 109007541		1		1	
440		Line Cord 240004543	240 V, 6-15P	1		1	
		240004544	240 V, 6-20P	1		1	
		240004545	240 V, 6-30P	1		1	
441		Bushing , Strain Relief 206000014		1		1	
450		Molex Repair Kit 550002058	Assortment of Plugs, Pins, and Sockets	1		1	
Accessory Group							
900		Access Panel 240003013C	Ref. Only, Incl: 900A No Heat/Electric Heat				
900A		Filter 240004074	20" x 30" x 1"	1		1	
902		Drain Stub Kit 550001988	Reference Only Inc. 902A-B				
902A		Drain Stub 109007466AJ		1		1	
902B		Screw/Washer Assembly 240003867		2		2	

Key: Inc. – Includes
 PSN – Prior Serial Number
 Ref. - Reference Only
 Repl. – Replaces
 R/B – Replaced By
 SSN – Starting Serial Number

VPRC30 – 30,000 Btuh (8.8 kW) R-410A Single Packaged Vertical Unit – Cooling Only
VPRH30 – 30,000 Btuh (8.8 kW) R-410A Single Packaged Vertical Unit – Limited Range Heat Pump
Service Parts

VPRC/VPRH30 Service Parts

Item	Fig.	Description/Part Number	Comments	Model / Voltage – Part Quantity			
				VPRC30		VPRH30	
				208/230	265	208/230	265
Cabinet, Frame and Skin Group							
100		Base 109007512AJ	Requires Rivet Nuts	1		1	
101		Drain Stub Assembly 109007821AJ	Uninsulated	1		1	
102		Screw/Washer Assembly 240003867		2		2	
106		Rear Panel 109007523	Uninsulated	1		1	
107		Panel, Divider 109007515	Uninsulated	1		1	
108		Panel, Front Top 109007524	Uninsulated	1		1	
109		Panel, Right or Left 109007517	Uninsulated	2		2	
110		Panel, Top 109007516	Uninsulated	1		1	
111		Panel, Front Bottom 109007525	Uninsulated	1		1	
Coils, Compressors and Refrigerant Component Group							
200		Compressor Kit 550001962	Inc.: 200A	1		1	
200A		Grommet, Compressor 213000006		4		4	
210		Coil, Indoor 104000286		2		2	
210A		Distributor 240007663	4 Feed	1		1	
211		Piston 240007024 TXV, Bi-Flow 240007507	0.065	1		-	
				-		1	
211A		O-Ring, Piston 240004693		1		-	
220		Drain Pan, Left 109007527AJ		1		1	
221		Drain Pan, Right 109007528AJ		1		1	
222		Drain Hose 240002200		4.5 ft.		4.5 ft.	
223		Clamp, Hose 240002215		2		2	
224		Tee 240006049		1		1	
230		Coil, Outdoor 631000169 631000178	Std. Al Fin/Cu Tube Coated Al Fin/Cu Tube	1		1	
				1		1	
240		Reversing Valve 240004661		-		1	
241		Solenoid, Reversing Valve 240004640		-		1	
245		Accumulator 136000001		-		1	
246		Grommet 213000006		-		1	

Key: Inc. – Includes
 PSN – Prior Serial Number
 Ref. - Reference Only
 Repl. – Replaces
 R/B – Replaced By
 SSN – Starting Serial Number

VPRC30 – 30,000 Btuh (8.8 kW) R-410A Single Packaged Vertical Unit – Cooling Only
VPRH30 – 30,000 Btuh (8.8 kW) R-410A Single Packaged Vertical Unit – Limited Range Heat Pump
Service Parts

Item	Fig.	Description/Part Number	Comments	Model / Voltage – Part Quantity			
				VPRC30		VPRH30	
				208/230	265	208/230	265
414		Contactora, Compressor 240002653		1		1	
415		Switch, SPDT 240000013	Fresh Air	1		1	
421		Contactora, Electric Heat 240000499	Position 8 = 1 or 7	1		1	
425		Terminal Block, Low Voltage 240002095		1		1	
426		Terminal Block, Ground 212000015	Position 8 = 1 or 7	1		1	
450		Molex Repair Kit 550002058	Assortment of Plugs, Pins, and Sockets				
Accessory Group							
900		Access Panel 240004439C	Ref. Only, Incl: 900A No Heat/Electric Heat				
900A		Filter 240004074	20" x 30" x 1"	1		1	

Key: Inc. – Includes
 PSN – Prior Serial Number
 Ref. - Reference Only
 Repl. – Replaces
 R/B – Replaced By
 SSN – Starting Serial Number

VPRC36 – 36,000 Btuh (10.5 kW) R-410A Single Packaged Vertical Unit - Cooling Only
VPRH36 – 36,000 Btuh (10.5 kW) R-410A Single Packaged Vertical Unit–Limited Range Heat Pump
Service Parts

VPRC/VPRH36 Service Parts

Item	Fig.	Description/Part Number	Comments	Model / Voltage – Part Quantity			
				VPRC36		VPRH36	
				208/230	265	208/230	265
Cabinet, Frame and Skin Group							
100		Base 109007512AJ	Requires Rivet Nuts	1		1	
101		Drain Stub Assembly 109007821AJ	Uninsulated	1		1	
102		Screw/Washer Assembly 240003867		2		2	
106		Rear Panel 109007523	Uninsulated	1		1	
107		Panel, Divider 109007515	Uninsulated	1		1	
108		Panel, Front Top 109007524	Uninsulated	1		1	
109		Panel, Right or Left 109007517	Uninsulated	2		2	
110		Panel, Top 109007516	Uninsulated	1		1	
111		Panel, Front Bottom 109007525	Uninsulated	1		1	
Coils, Compressors and Refrigerant Component Group							
200		Compressor Kit 550001963	Inc.: 200A	1		1	
200A		Grommet, Compressor 213000006		4		4	
210		Coil, Indoor 104000286		2		2	
210A		Distributor 240007663	4 Feed	1		1	
211		Piston 240000507 TXV, B-Flow 240007507	0.073	1		-	
				-		1	
211A		O-Ring, Piston 240004693		1		-	
220		Drain Pan, Left 109007527AJ		1		1	
221		Drain Pan, Right 109007528AJ		1		1	
222		Drain Hose 240002200		4.5 ft.		4.5 ft.	
223		Clamp, Hose 240002215		2		2	
224		Tee 240006049		1		1	
230		Coil, Outdoor 631000169 631000178	Std. Al Fin/Cu Tube Coated Al Fin/Cu Tube	1		1	
				1		1	
240		Reversing Valve 240004661		-		1	
241		Solenoid, Reversing Valve 240004640		-		1	
245		Accumulator 136000001		-		1	
246		Grommet 213000006		-		1	

Key: Inc. – Includes
 PSN – Prior Serial Number
 Ref. - Reference Only
 Repl. – Replaces
 R/B – Replaced By
 SSN – Starting Serial Number

VPRC36 – 36,000 Btuh (10.5 kW) R-410A Single Packaged Vertical Unit - Cooling Only
VPRH36 – 36,000 Btuh (10.5 kW) R-410A Single Packaged Vertical Unit–Limited Range Heat Pump
Service Parts

Item	Fig.	Description/Part Number	Comments	Model / Voltage – Part Quantity			
				VPRC36		VPRH36	
				208/230	265	208/230	265
Air Management Group							
301		Housing, Blower 240004537	Inc. Blower Wheel	1		1	
303		Indoor Fan Motor 102000121		1		1	
304		Indoor Motor Mount, Arm 240004394		3		3	
305		Indoor Motor Mount, Band 240003093		1		1	
306		Blower Plenum, Front 109007520		1		1	
307		Blower Plenum, Back 109007521		1		1	
308		Plenum, Top Cover 109007522		1		1	
310		Outdoor Fan Motor 102000083		1		1	
311		Outdoor Motor Mount 240004583		1		1	
313		Condenser Fan Blade 240004483		1		1	
315		Outdoor Shroud 109007514		1		1	
316		Baffle, Air Deflector, Right 109007501		1		1	
317		Baffle, Air Deflector, Left 109007532		1		1	
330		Damper Motor, Fresh Air 102000013	208/230 V	1		1	
340		Electric Heater 109005647	Cover Plate, No Heat	1		1	
		240004423	5 kW @ 230 V	1		1	
		240004424	7 kW @ 230 V	1		1	
		240004425	10 kW @ 230 V	1		1	
		240004426	15 kW @ 230 V	1		1	
342		Duct Guard 109005718		1		1	
343		Cover Plate 109005235	Position 8 = 1, 5 or 7	1		1	
360		Filter 240007356	20" x 26" x 1/2"	1		1	
Controls and Electrical Group							
400		Control Box 109007503		1		1	
401		Control Board 240007903		1		1	
402		Sensor, Coil 24004364		2		2	
403		Capacitor 126000003	IFM 370 V/5 µF	1		1	
405		Capacitor 126000496	Comp/OFM 370 V/45/5 µF	1		1	
407		Bushing, 1" 240004692		5		5	
408		High Pressure Switch 240006981		1		1	
409		Transformer 240001264	Position 8 = 0, 1, 5, 7	1		1	
		240004611	Position 8 = A	1		1	
410		Bushing, 1/2" x 3/8" 240002631		1		1	
411		Bushing, 1-1/4" 206000025		2		2	

Key: Inc. – Includes
 PSN – Prior Serial Number
 Ref. - Reference Only
 Repl. – Replaces
 R/B – Replaced By
 SSN – Starting Serial Number

VPRC36 – 36,000 Btuh (10.5 kW) R-410A Single Packaged Vertical Unit - Cooling Only
VPRH36 – 36,000 Btuh (10.5 kW) R-410A Single Packaged Vertical Unit–Limited Range Heat Pump
Service Parts

Item	Fig.	Description/Part Number	Comments	Model / Voltage – Part Quantity			
				VPRC36		VPRH36	
				208/230	265	208/230	265
412		Bushing, 7/8" x 5/8" 206000007		3		3	
414		Contactora, Compressor 240002653		1		1	
415		Switch, SPDT 240000013	Fresh Air	1		1	
421		Contactora, Electric Heat 240000499	Position 8 = 1, 7 or A	1		1	
422		Contactora, Electric Heat 117000001	Position 8 = A	1		1	
423		Timer, Electric Heat 240004357	Position 8 = A	1		1	
425		Terminal Block, Low Voltage 240002095		1		1	
426		Terminal Block, Ground 212000015	Position 8 = 1 or 7	1		1	
450		Molex Repair Kit 550002058	Assortment of Plugs, Pins, and Sockets				
Accessory Group							
900		Access Panel 240004439C	Ref. Only, Incl: 900A No Heat/Electric Heat				
900A		Filter 240004074	20" x 30" x 1"	1		1	

Key: Inc. – Includes
 PSN – Prior Serial Number
 Ref. - Reference Only
 Repl. – Replaces
 R/B – Replaced By
 SSN – Starting Serial Number

**HH_71 – Hydronic Heat Section
Service Parts**

HH(F,L,R)71 Model Number Nomenclature

The following chart depicts the Model Number Nomenclature.

Alpha-Numeric:	AA	A	NN	N	N	N	A	A	A	A,A	A/N	A
Position:	1,2	3	4,5	6	7	8	9	10	11	12,13	14	15
Example:	HH	F	71	0	1	8	B	A	B	BA	0	A
Product Family: HH – Hydronic Heat Section												
Piping Connection: F – Front L – Left Hand R – Right Hand												
Product Series:												
Usage: 0 – VPRC/VPRH09-18 1 – VPRC/VPRH19-24												
Control Options: 1 – Remote Wall Thermostat												
Hydronic Coil: 8 – Single Row (VPRC/VPRH09-18) 9 – Two Row (VPRC/VPRH19-24)												
Not Used:												
Connection Options: A – Sweat Connections B – Ball Valves, P/T Ports C – Auto-Balancing Valves												
Control Valve Options: B – 3-way, 24 V, N/C												
Not Used:												
Standard/Special: 0 = Standard Unit A-Z = Special Unit												
Design Revision:												

Key: Inc. – Includes
 PSN – Prior Serial Number
 Ref. - Reference Only
 Repl. – Replaces
 R/B – Replaced By
 SSN – Starting Serial Number

**HH_71 – Hydronic Heat Section
Service Parts**

HH(F,L,R)71 Service Parts

Item	Fig.	Description/Part Number	Comments	Model / Voltage – Part Quantity			
				HH(F,L,R)710		HH(F,L,R)711	
				N/A		N/A	
Cabinet, Frame and Skin Group							
170		Plenum Assembly 109003237 109003907		1 -		- 1	
171		Plenum, Top 109003240 109003910		1 -		- 1	
172		Bracket, Hanging 109003248 109004100		2 -		- 2	
173		Bracket, Freezestat 109003243		1		1	
Coils, Compressors and Refrigerant Component Group							
270		Hydronic Coil 104000216 104000263		1 -		- 1	
271		Valve, Motorized 240002421	3-way, 24 V	1		1	
275		Schrader Cap 240000963		1		1	
280		Ball Valve 107000001	Position 10 = B	2		2	
281		Pressure/Temperature Tap 240003179	Position 10 = B	2		2	
Air Management Group							
370		10" Round Duct Collar 109001912		1		1	
Controls and Electrical Group							
470		Thermostat 121000020		1		1	
471		Bushing, T'stat Bulb 206000003		2		1	
472		Bushing, Strain Relief 206000016		1		1	
Accessory Group							

Key: Inc. – Includes
 PSN – Prior Serial Number
 Ref. - Reference Only
 Repl. – Replaces
 R/B – Replaced By
 SSN – Starting Serial Number