



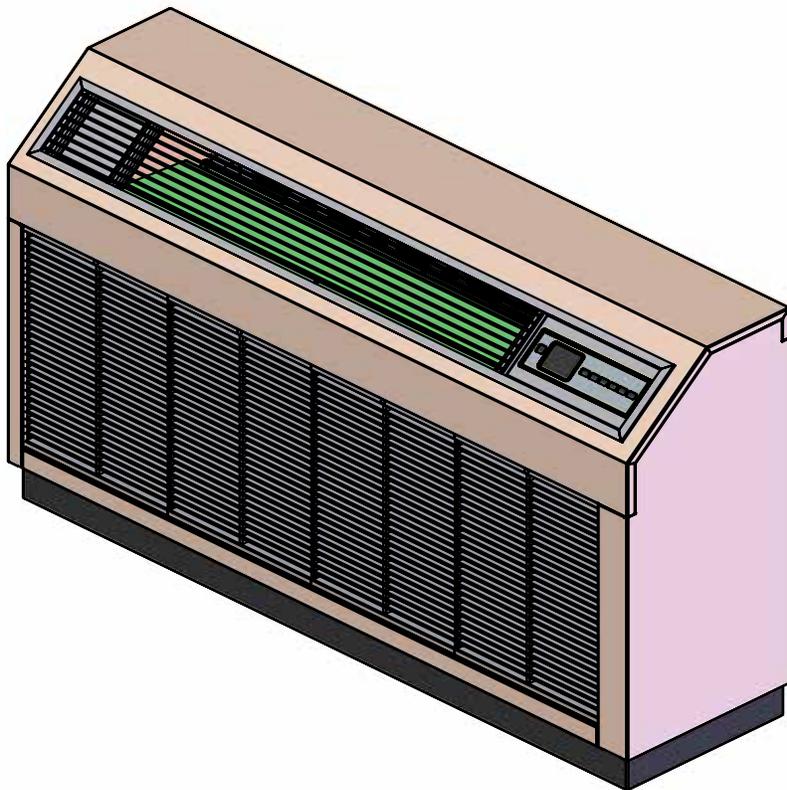
# UNHV

## Variable Speed Ductless Split System Universal Air Handler

### Parts Manual

#### MODELS:

UNHV 09  
UNHV 12  
UNHV 18  
UNHV 24  
UNHV 30  
UNHV 36



An ISO 9001-2008 Certified Company

**ECR International, Inc.**

2201 Dwyer Avenue,

Utica NY 13501

web site: [www.ecrinternational.com](http://www.ecrinternational.com)

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Consult manufacture for availability items may be subject to minimum order quantities.

[Limited Warranty](#) applies, 1-year parts and 5-year compressor.

**Information and specifications outlined in this manual in effect at the time of printing of this manual. ECR International reserves the right to discontinue, change specifications or system design at any time without notice and without incurring any obligation, whatsoever.**



# Decoding

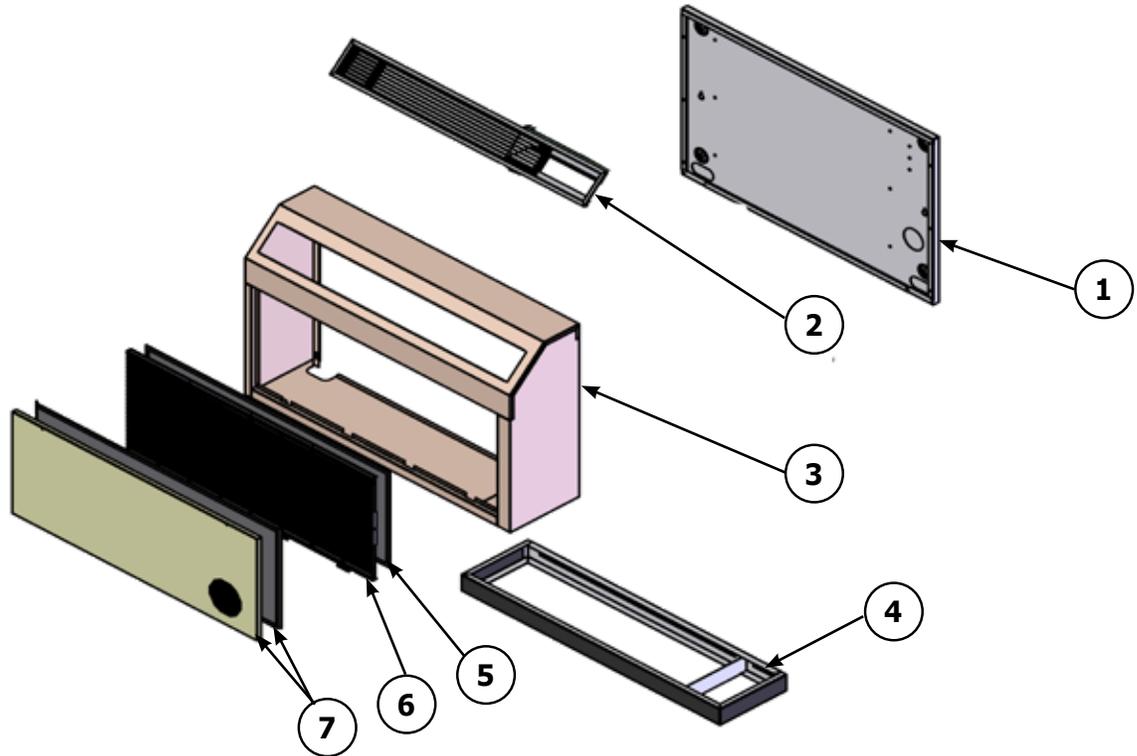
## E-verter Variable Speed Universal Air Handler

Model			Revision	Capacity		Voltage	Aux Ht
Cabinet Style	Function						
<b>U</b>	<b>N</b>	<b>H</b>	<b>V</b>				
UN - Universal			Variable Speed - V	9,000 - 09 12,000 - 12 18,000 - 18 24,000 - 24 30,000 - 30 36,000 - 36		A - 115V (09-12) D - 208/230V	0 - None 3 - 3 kw @208/230V, (09-24 ONLY) 5 - 5kw @208/230V, (18-36 ONLY)
H - Heat Pump or Straight Cool (09-36 Only)							



# Cabinet Assembly [9-36]

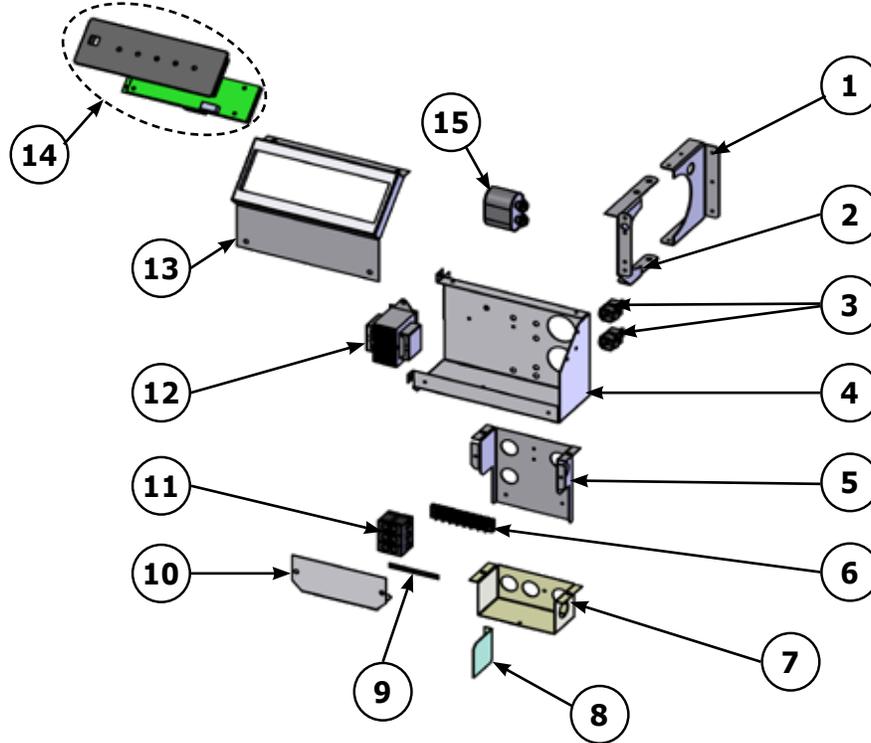
## E-verter Variable Speed Universal Air Handler



Ref#	Model	Part Number	Description
1	UNHA 09-12	109006729	ASSY,BACK,PNL,UNHA 09-12
2	UNHA12	240006463	LVR,SPLY,AIR,FXD,UNHA12
	UNHA18	240006464	LVR,SPLY,AIR,FXD,UNHA18
	UNCA36	240006465	LVR,SPLY,AIR,FXD,UNCA36
3	UNHA 09-12	109006727AG	ASSY,CAB,UNHA 09-12
	UNHA 18-24	109006735AG	ASSY,CAB,UNHA 18-24
	UNCA 30-36	109006706AG	ASSY,CAB,UNCA 30-36
4	UNH 09-12	550001785	KIT,PNL,TOE-KICK,UNH09-12
	UNH 18-24	550001786	KIT,PNL,TOE-KICK,UNH18-24
	UNC 30-36	550001787	KIT,PNL,TOE-KICK,UNC30-36
5	UNH 09-12	240006779	FLTR,AIR,RET,(PLSTC GRILLE),UNH,09-12
	UNH 18-24	240006780	FLTR,AIR,RET,(PLSTC GRILLE),UNH,18-24
	UNC 30-36	240006787	FLTR,AIR,RET,(PLSTC GRILLE),UNC,30-36
6	UNHB 09-12	240007214	ASSY,RTRN,AIR,GRL,UNHB,09-12
	UNHB 18-24	240007213	ASSY,RTRN,AIR,GRL,UNHB,18-24
	UNCB 30-36	240007112	ASSY,RTRN,AIR,GRL,UNCB,30-36
7	UNH 09-12	550001954	KIT,MTL,RTRN AIR,GRL,UNH09-12
	UNH 18-24	550001955	KIT,MTL,RTRN AIR,GRL,UNH24
	UNC 30-36	550001956	KIT,MTL,RTRN AIR,GRL,UNC 36

# Control Assembly [9-36]

## E-verter Variable Speed Universal Air Handler



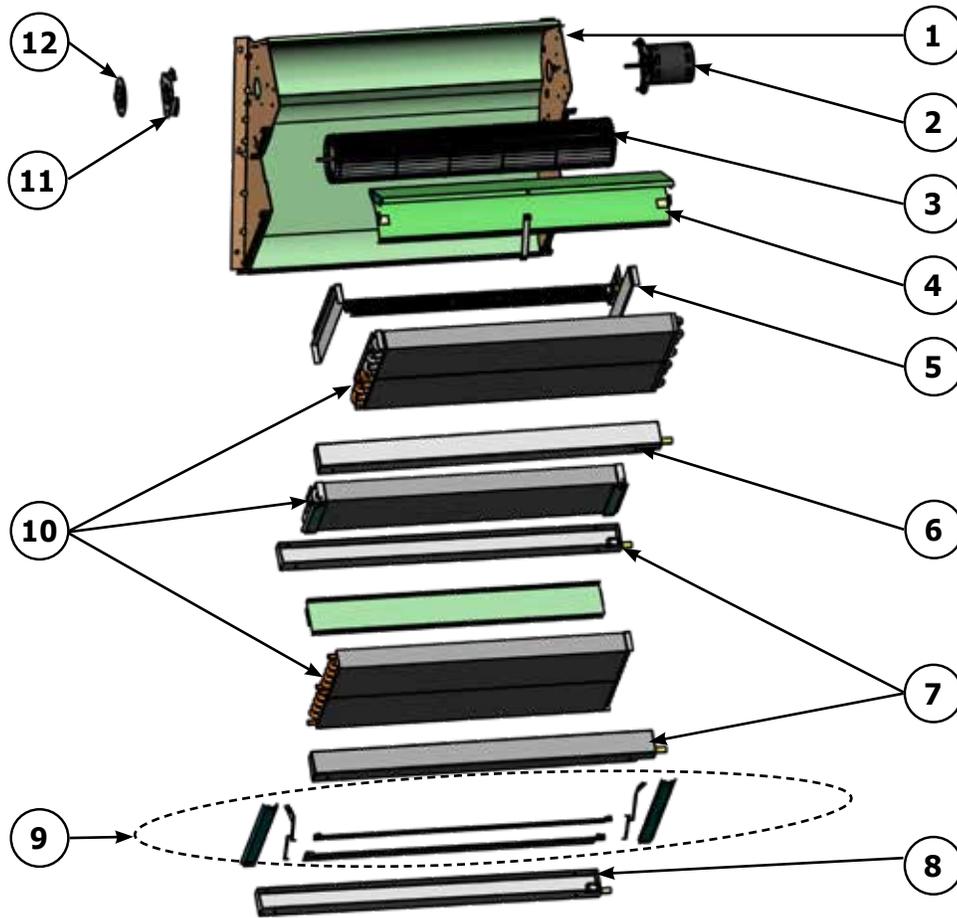
Ref#	Model	Part Number	Description
1	09-30	109007214	BRKT,MTR,BTM,UNH,9-24
	36	109007216	BRKT,MTR,BTM,UNC,30-36
2	09-30	109007213	BRKT,MTR,TOP,UNH,9-24
	36	109007215	BRKT,MTR,TOP,UNC,30-36
3	09-36	206000016	BSH,STRAIN RELIEF,SMALL
4	09-24	109006798	BOX, CONTROL, UNHA 09-24
5	09-36	109007158	BOX,HI & LO VOLT,TERM,BLOCKS,UNH/C,09-36
6	09-36	240002095	TERM,BLOCK,7 POSITION
7	09-36	109006234	BOX,LOW VOLT,CONN,WLC/H 09-36
8	09-36	109006235	DVDR,LOW VOLT,BOX,WLC/H 09-36
9	09-36	240006855	LABEL,7POS, TERM. BLOCK, UNH/C, 09-36
10	09-36	109007169	COVER,TERM,BLOCK,BOX,UNH /C,09-36
11	09-36	240006739	TERMINAL BLOCK, 3-POSITION, HI-VOLT
12	09-36	240001264	TFMR,208/230V,50/60HZ,24V,40VA
13	09-36	109006796	BRACKET,MTG,CNTRL,UNHA 09-36

Ref#	Model	Part Number	Description
14	09	550002614	KIT,CTRL,INVTR,ASSY,UNHV09
	12	550002617	KIT, CTRL,INVTR,ASSY,UNHV12
	18	550002620	KIT, CTRL,INVTR,ASSY,UNHV18
	24	550002623	KIT, CTRL,INVTR,ASSY,UNHV24
	30	550002911	KIT, CTRL,INVTR,ASSY,UNHV30
	36	550002914	KIT, CTRL,INVTR,ASSY,UNHV36
15	09-24	126000006	CAPC, 370v/35, 1-3/4x2.8x2.95"H, OVAL
	30-36	126000003	CAPC,370V/5,1-1/4x2x1.6"H,OVAL



# Scroll Assembly [09-36]

E-verter Variable Speed Universal Air Handler





# Scroll Assembly [09-36]

## E-verter Variable Speed Universal Air Handler

Ref#	Model	Part Number	Description
1	09-12	109007190	ASSY,SCRL,P-PAN,UNH,9-12
	18-24	109007201	ASSY,SCRL,P-PAN,UNH,18-24
	30-36	109007206	ASSY,SCRL,P-PAN,UNC,30-36
2	09-12	102000178	MTR,EVAP,208/230V,WHP12,0.02Hsp.
		102000177	MTR,EVAP,115V,9-12,3-SPD,Y4L403B511
	18-24	102000181	MTR,EVAP,208/230V,18/24/30,7190-3300
	30-36	102000179	MTR,EVAP,208/230V,36,3-SPD,Y6S620C827
3	09-12	240002462	BLWR,WHL,SLV BRG,WSP/WHP09/12
		240004694	BLWR,WHL,PLATIC,NO HT,WHP09/12,SUNWILL
	18-24	240002461	BLWR,WHL,SLV BRG,WSP/WHP15/18
		240004695	BLWR,WHL,PLASTIC,NO HT,WHP 15/18,SUNWILL
	30-36	240005125	WHL,BLWR,5" x 40" WLC 30-36
4	09-12	109006731	ASSY,WELD,SCROLL,FRONT,UN HA-09/12
	18-36	109006750	ASSY,SCRL,FRNT,UNHA 18-24
5	3KW	240005762	HTR ASSY,3KW,230V,26"
	5KW	240006626	HTR,5KW,230V,37",U NH,24,21-3676-02
6	09-12	109007186	PAN,DRAIN,ASSY,P,CEIL,CONFIG,UNH,09-12
	18-24	109007197	PAN,DRAIN,ASSY,P,CEIL,CONFIG,UNH,18-24
	30-36	109007202	PAN,DRAIN,ASSY,P,CEIL,CONFIG,UNC,30-36
7	09-12	109006720	PANEL,COIL BLOCKOFF,UNHA-09/12
	18-24	109006746	BLKOFF,COIL,UNHA 18-24
	30-36	109006696	BLKOFF,COIL,UNCA 30-36
8	09-12	109007188	PAN,DRAIN,ASSY,P,FLOOR,CONFIG,UNH,09-12
	18-24	109007199	PAN,DRAIN,ASSY,P,FLOOR,CONFIG,UNH,18-24
	30-36	109007204	PAN,DRAIN,ASSY,P,FLOOR,CONFIG,UNC,30-36

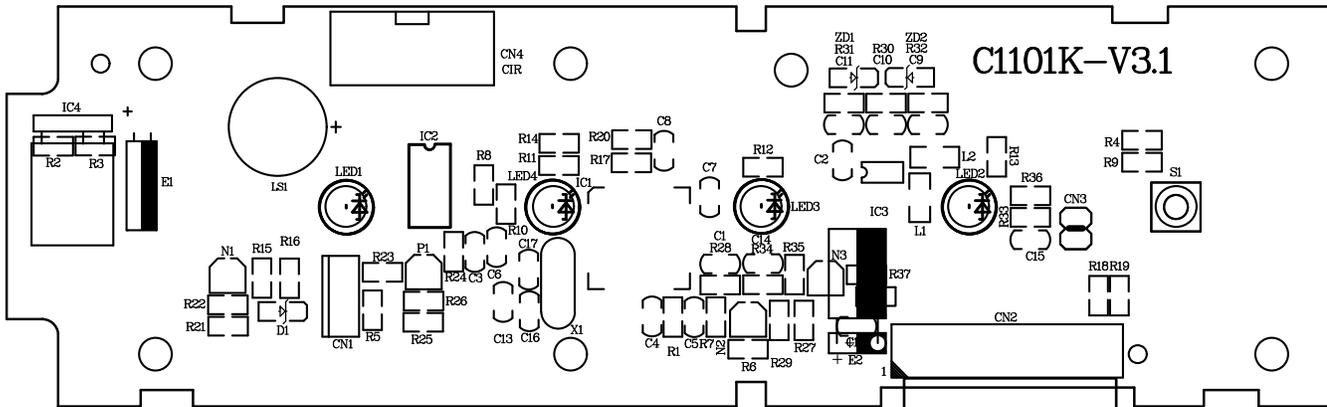
Ref#	Model	Part Number	Description
9	09-24	109007193	TROUGH,COND,UP,LT,P-PAN,UNH,09-24
		109007194	TROUGH,COND,UP,RT,P-PAN,UNH,09-24
		109007195	TROUGH,COND,LOW,LT,P-PAN,UNH,09-24
		109007196	TROUGH,COND,LOW,RT,P-PAN,UNH,09-24
		109007294	BRKT,SUPT,CUT-OFF,UNHA, 09-24
	09-12	109007339	DRAIN,PAN,EXT,UNH 09-12
		109007338	PAN,DRAIN,EXT,UPPER,GLOSS BLK,UNC9-12
	09-24	109007342	BRKT,DRAIN,PAN,EXT,LL,UNH 09-24
		109007343	BRKT,DRAIN,PAN,EXT,LR,UNH 09-24
		109007341	BRKT,DRAIN,PAN,EXT,RT,UNH 09-24
109007340		BRKT,DRAIN,PAN,EXT,LT,UNH 09-24	
10	09-12	104000400	COIL,EVAP,UNH,12,3EY1602D-10.00X25.88
		104000380	COIL,EVAP,WLH 12,3EY1602D-5.00X25.50
	18-24	104000381	COIL,EVAP,WLH 24,3EY1602D-5.00X35.50
		104000401	COIL,EVAP,UNH,18-24,3EY1602D-10.00X35.88
	30-36	104000374	COIL,EVAP,3EY1003M-4.00X45.50,WLA-36
104000402		COIL,EVAP,UNC,36,3EY1003M-12.00X45.88	
11	-	109006544	BRKT,MTG,BRG,BLWR,WHEEL
12	09-36	240002460	NYLON,SLV & HSG,WLC/H,WSP,WHP 09-36



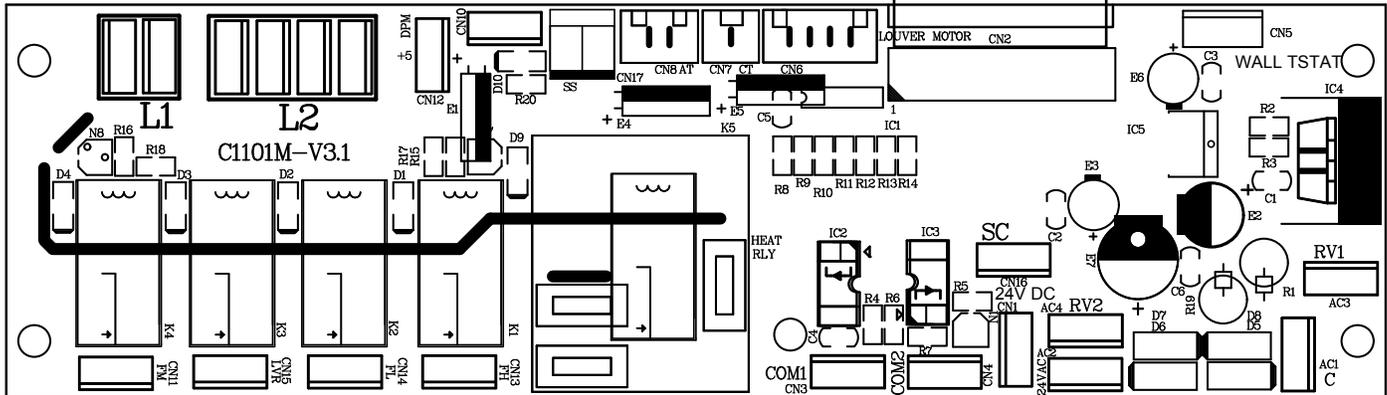
# BOARD LAYOUTS [09-36]

## E-verter Variable Speed Universal Air Handler

### ID UNH/WLH LED BOARD



### ID RELAY BOARD



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