



S1CV/HV

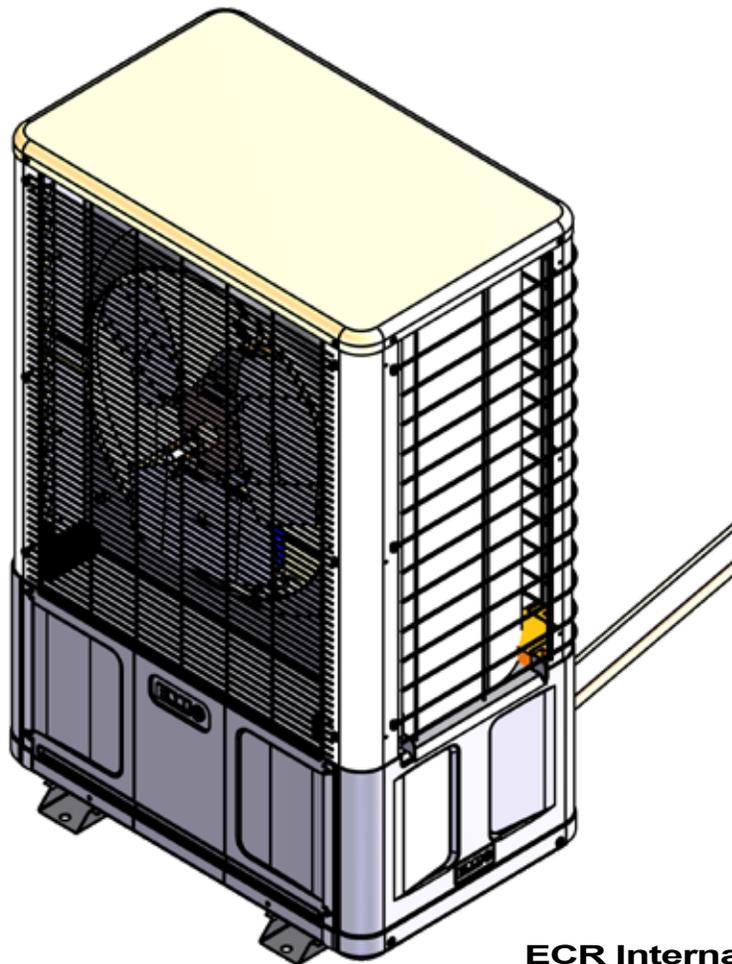
Variable Speed Condenser

Parts Manual

MODELS:

S1CV9000
S1CV2000
S1CV8000
S1CV4000
S1CV3000
S1CV6000

S1HV9000
S1HV2000
S1HV8000
S1HV4000
S1HV3000
S1HV6000



An ISO 9001-2008 Certified Company

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P/N# 240009662, Rev A [12/01/2013]



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

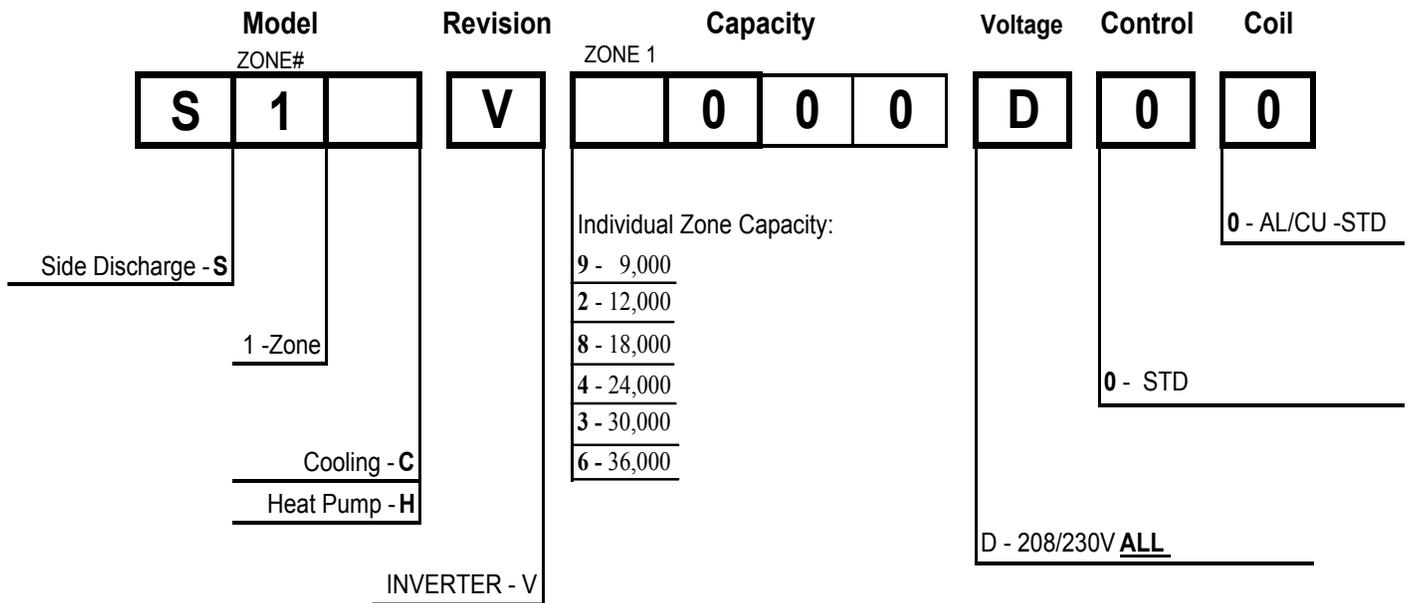
[Limited Warranty](#) applies, 1-year parts and 5-year compressor.

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 Condenser



***See Below for specific offerings.**

Single Zones

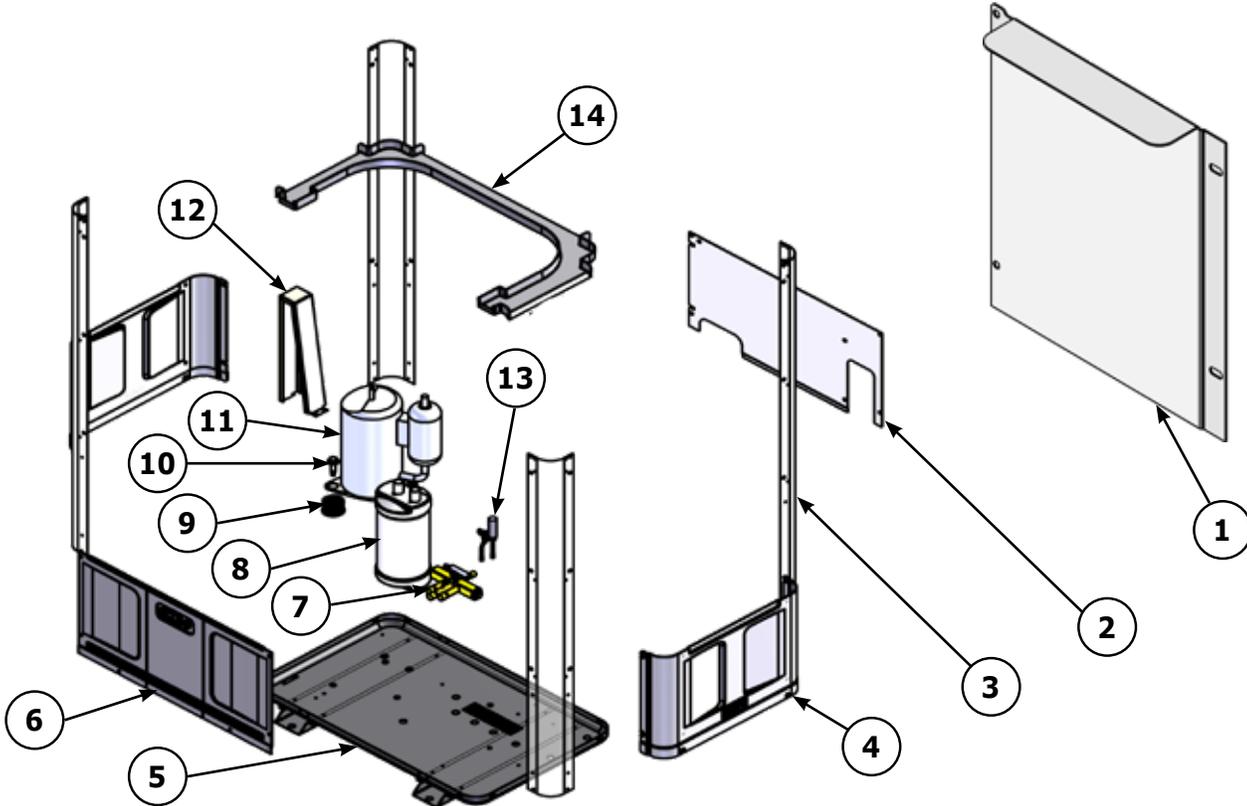
Straight Cool or Heat Pump

- 9000
- 2000
- 8000
- 4000
- 3000
- 6000



Lower Unit Assembly [9-36]

E-verter Variable Speed Condenser

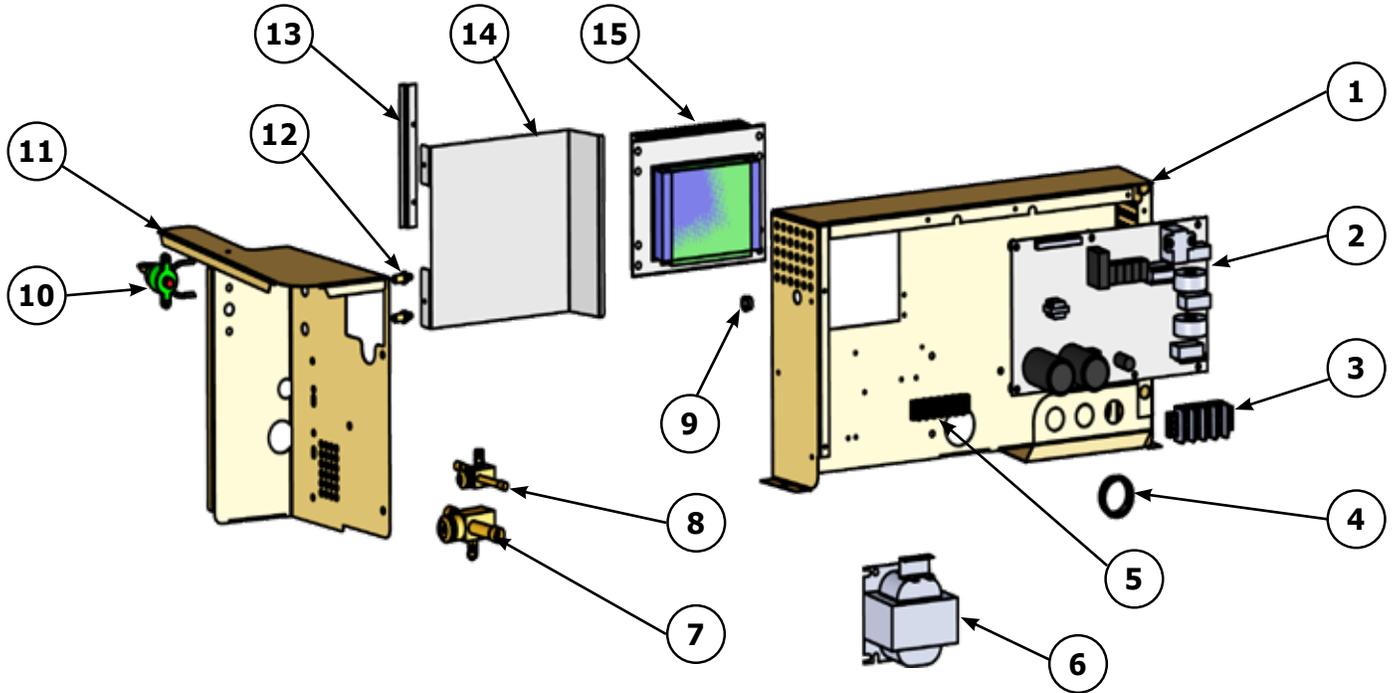


Ref #	Model	Part Number	Description
1	18-24	109008488AK	PNL,REAR,RT,S1V 18-30
2	9-24	109008487AK	PNL,CTRL BOX,CVR,S1V
	30-36	109009085AK	PNL,CTRL BOX,CVR,S1V
3	9-12	109008412AJ	CPST,S1V 09-12
	18-24	109008462AJ	CPST,S1V18/24
	30-36	109008468AJ	CPST,S1V 36-42
4	-	108000185	PNL,SIDE,L/R,S1V/S2V
5	9-12	109008408AK	ASSY,WLD,BASE, S1V 09-12
	18-24	109008459AK	ASSY,WLD,BASE,S1V18/30
	30-36	109008466AK	ASSY,WLD,BASE,S1V 36-42
6	-	108000186	PNL,FRT,S1V/S2V
7	9-12	240004659 & 240004640	VLV,RVSG,9-15 BTU & VLV,RVSG,SOL,24V,LDK,RED +
		240004661 & 240004640	VLV,RVSG,36 BTU & VLV,RVSG,SOL,24V,LDK,RED +
8	9-24	136000001	ACUM,SUCT,5/8",60 OZ,09-18K
	30-36	136000003	ACUM,SUCT,60 OZ.,24-48,3/4"
9	-	213000001	GRMT, COMPRESSOR, ROTARY&RECIP

Ref #	Model	Part Number	Description
10	-	201000039	BOLT,5/16-18X1 3/8,HH,USL,SZNS
11	9-12	101000397	COMPR,INVTR,9/12, TOSH,DA89
	18-24	101000398	COMPR,INVTR,18/24 ,TOSH,DA150
	30-26	101000399	COMPR,INVTR,30/36, PANA,5KD240
12	-	109008404	SUPT,COIL,S1V/S2V
13	9-12	240008856	VLV,EXV,SANHUA,1.65C
	18-24	240008857	VLV,EXV,SANHUA,2.2C
	30-36	240008858	VLV,EXV,SANHUA,2.4C
14	9-12	108000093	PAN,DRAIN,PLAST,S1H 09-12
	18-24	108000094	PAN,DRAIN,PLAS,S1HG 18-24,S1C/ HV 18-24
	30-36	108000095	PAN,DRAIN,PLAST,S2H
Not Shown		240001257	NUT,RIV,COMPR,5/16-18

Control Panel Assembly [09-36]

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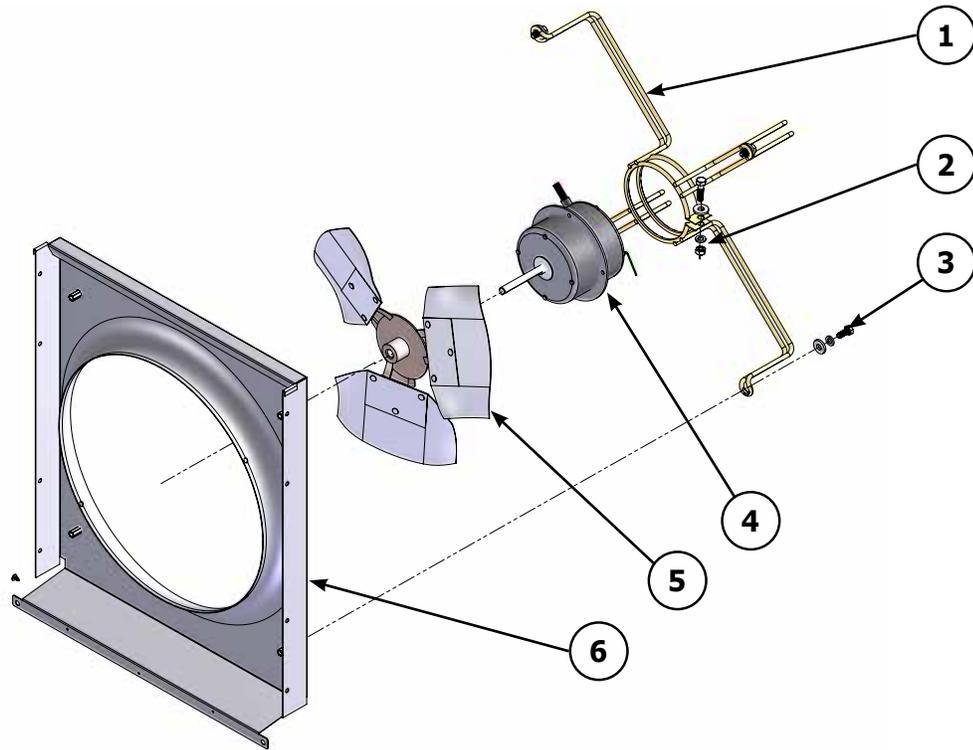
Ref #	Model	Part Number	Description
1	09-24	109008403	BOX,CTRL,S1V/S2V09-24
	30-36	109009081	BOX,CTRL,S1C/HV30-36
2	9-12	550002607	KIT,CTRL,OD LOGIC BRD,S1V 09-12
	18-24	550002610	KIT,CTRL,OD LOGIC BRD,S1V 18-24
	30	550002917	KIT,CTRL,OD,LOGIC BRD,C1201W-V2.1,S1HV30
	36	550002918	KIT,CTRL,OD,LOGIC BRD,C1201W-V2.1,S1HV36
3	-	240009219	TERM,BLOCK,4 POSITION,600V,30A
4	-	240000539	BUSHING,HEYCO,1-1/2 x 1-5/16, SB-1500-21
5	-	240002095	TERM,BLOCK,6 POSITION
6	09-12	550002609	KIT,REAC/CHOKE COIL,S1V 09-12
	18-24	550002612	KIT,REAC/CHOKE COIL,S1V 18-24
	30-36	550002916	KIT,REAC,CHOKE COIL,R3005,S1V30/36
7	9-12	240004461	VLV,SERVICE,1/2"SWT X 1/2"SWT,90,SIDE+
	18-24	240004462	VLV,SERVICE,5/8"SWT X 5/8"SWT,90,SIDE+
	30-36	240004463	VLV,SERVICE,3/4"SWT X 3/4"SWT,90,SIDE+
8	9-12	240004459	VLV,SERVICE,1/4"SWT X 1/4"SWT,90, SIDE+
	18-36	240004430	VLV,SERVICE,3/8"SWT X 3/8"SWT,90,SIDE+
9	-	240002631	BSH,HEYCO,1/2X3/8

Ref #	Model	Part Number	Description
10	-	240007109	SW,HP,M-RESET,700psi,PNL MNT,29PSP002-49
11	09-24	109008436	PNL,VLV,ENC,S1V/S2V
	30-36	109009082	BOX,VLV,S1C/HV30-36
12	-	216000001	FITTING,SHRADER,CORE
13	9-24	109008492	CATCH, HEAT SINK SHIELD
14	9-24	109008486	BAFL,AIR,HT SINK,CTRL BOARD,S1V
	30-36	109009083	BAFL,AIR,BOX,CTRL,S1C/HV30-36
15	9-12	550002608	KIT,CTRL,OD DRIVE BRD,S1V 09-12
	18-24	550002611	KIT,CTRL,OD DRIVE BRD,S1V 18-24
	30	550002908	KIT,CTRL,OD,DRIVE BRD,C1201KM-V3.1,S1V30
	36	550002909	KIT,CTRL,OD,DRIVE BRD,C1201KM-V3.1,S1V36



Fan & Shroud Assembly [9-36]

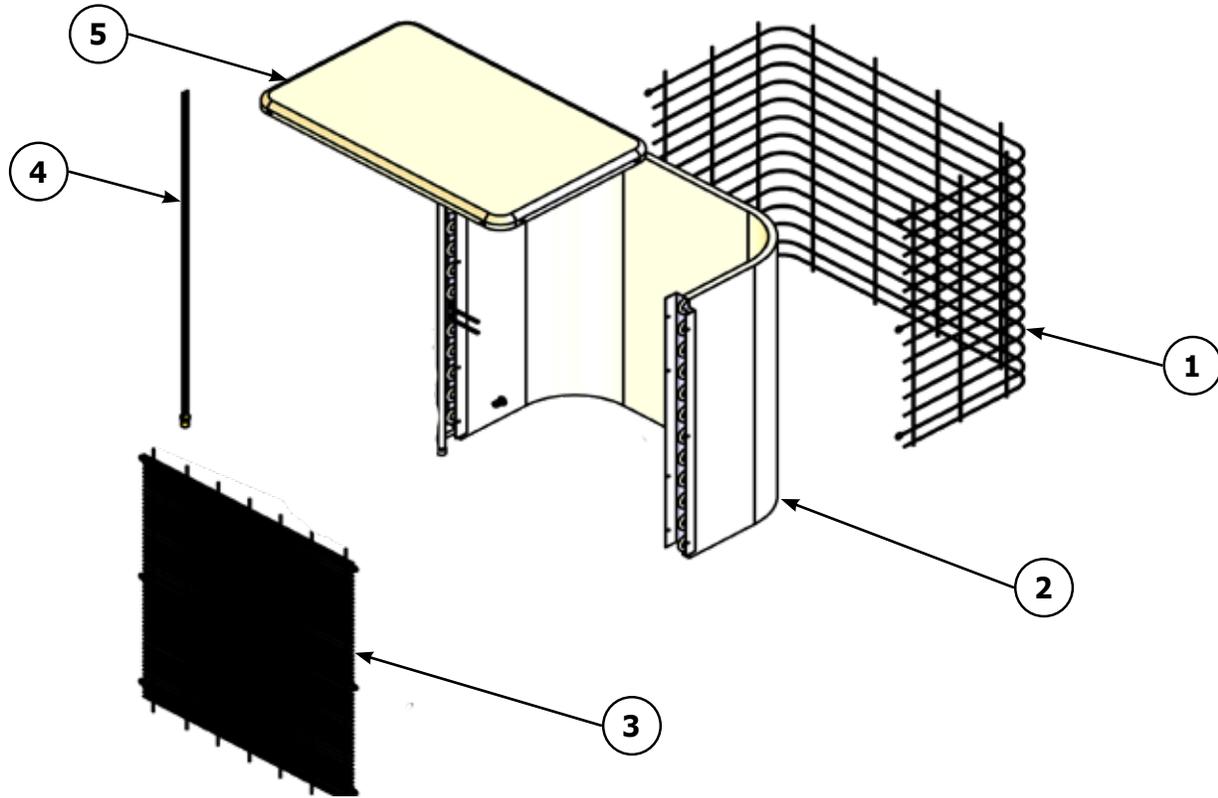
E-verter Variable Speed Condenser



Ref#	Model	Part Number	Description
1	9-24	240004454	BRKT,MTR,CLAM SHELL
	30-36	240004583	BRKT,MTR,25.500,S1C 30-36,S2H
2	-	201000038	BOLT,5/16-18X3/4,HH,SZN,CPS
		203000001	WSHR,7/80DX3/8,PLATED
		202000009	NUT,HEX,5/16-18,PLATED
3	-	203000007	LOCKWASHER,5/16,SPLIT RING
		240001257	NUT,RIV,COMPR,5/16-18
		203000001	WSHR,7/80DX3/8,PLATED
4	09-24	102000183	MTR,COND,208/230V,18/24/30,Y6S620C039
	30-36	102000176	MTR,COND,208/230V,36/42,Y7S622D043
5	9-12	240004481	BLADE,FAN,16",S1C 09-12,C2C/H 9-15
	18-24	240004482	BLADE,FAN,18",S1C/H 18/24
	30-36	240008445	BLADE,FAN,4P20SCW28
6	9-12	109008409AK	PNL,SHROUD,MTR,MTG,S1V 09-12
	18-24	109008460AK	PNL,SHRD,MTR,MTG,S1V 18-24
	30-36	109008467AK	PNL,SHRD,MTR,MTG,S1V 36-36

Upper Assembly [09-36]

E-verter Variable Speed Condenser



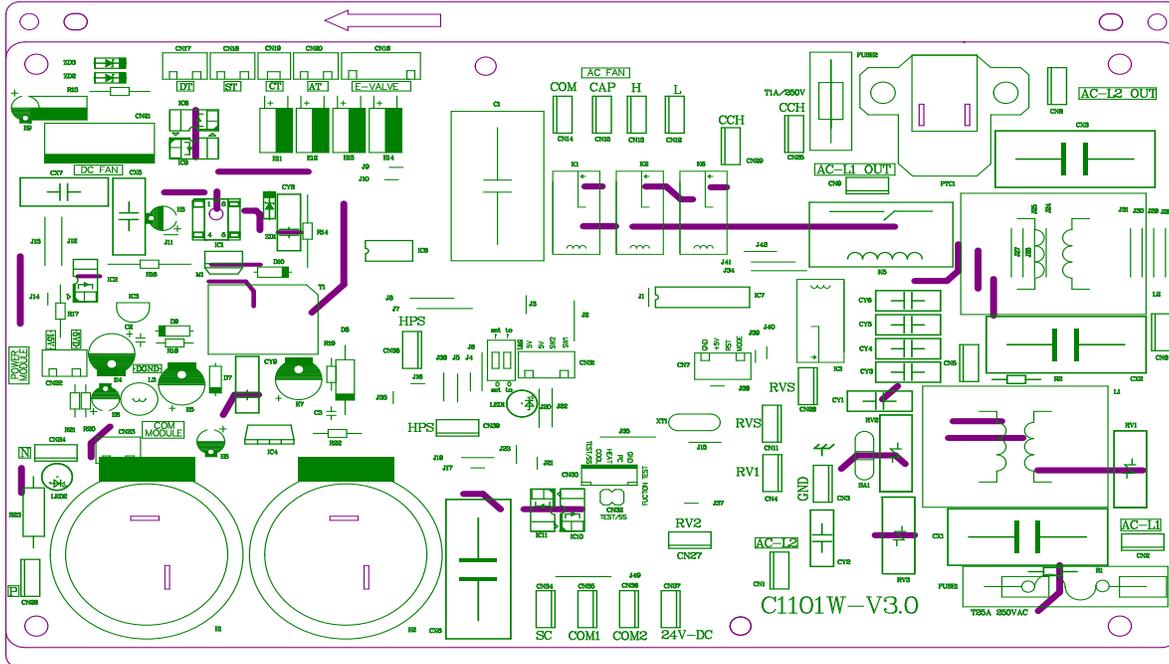
Ref#	Model	Part Number	Description
1	09-12	240004402	GUARD,COIL,S1C/H 09-12,C2C/H 09-15
	18-24	240004403	GRD,COIL,S1H 24
	30-36	240005580	GRD,COIL,S1C 36,C2C/H36
2	9-12	550002644	KIT,COIL,FRMD,S1C/HV09/12,RAW 104-445
	18-24	550002645	KIT,COIL,FRMD,S1C/HV18/24,RAW 104-462
	30-36	550002787	KIT,COIL,FRMD,S1C/HV30/36,RAW 104-463
3	9-12	240008878	GRD,FRNT,SIV09/12
	18-24	240008876	GRD,FRNT,SIV18-30
	30-36	240008877	GRD,FRNT,SIV36
4	9-12 (ONLY)	240007910	DISTR,REFG,2FEED,1/8"x30"L
5	9-12	109004895AJ	PNL,TOP,S1C/H 09-12,C2C 09-15
	18-24	109004897AJ	PNL,TOP,S1C/H 18-30
	30-36	109004899AJ	PNL,TOP,S1C 36-42,S2H



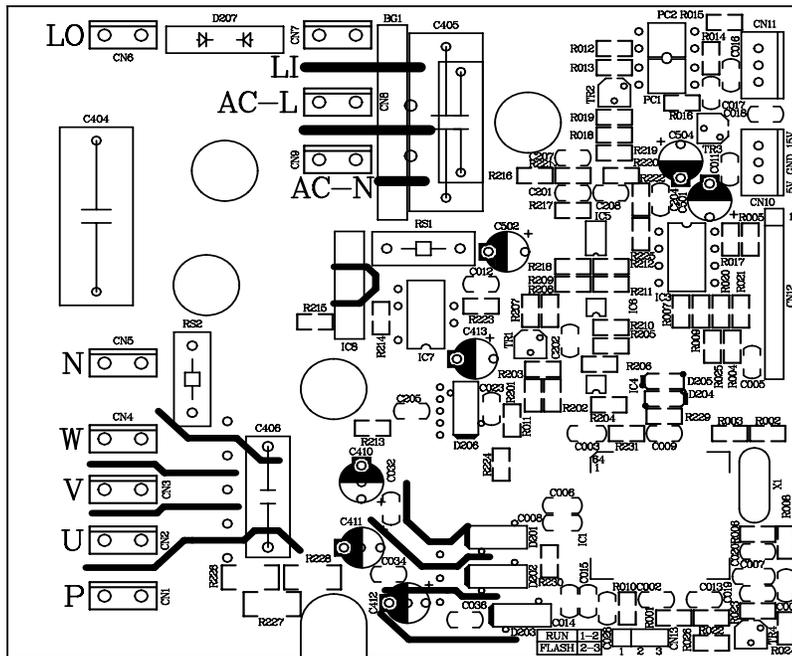
BOARD LAYOUTS [09-36]

E-verter Variable Speed Universal Air Handler

OD LOGIC BOARD (ALL)



OD DRIVE BOARD (9/12)



An ISO 9001-2008 Certified Company

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web site: www.ecrinternational.com