

Parts List, Wiring Diagrams

**PAH 210 – 300 SERIES
3 Phase**

PACKAGE AIR CONDITIONER UNITS



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PAH 210 - 300 PARTS LIST								
KEY NO.	DESCRIPTION	FAST PARTS NO.	PAH210H0A00AAA	PAH210L0A00AAA	PAH240H0A00AAA	PAH240L0A00AAA	PAH300H0A00AAA	PAH300L0A00AAA
01	BALL BEARING	1177499	2	2	2	2	2	2
02	BELT V B38	1177496	1	1	1	1	*	*
02	BELT V B42	1177613	*	*	*	*	1	1
03	CAP RN OV 370V 10+10	1175708	2	2	2	2	3	3
04	BREAKER 3.2A 1 POLE 250V	1171114	2	2	2	2	2	2
05	COIL ASY COND AL/CU	1177502	1	1	1	1	*	*
05	COIL ASY COND AL/CU	1177624	*	*	*	*	1	1
06	COIL ASY COND AL/CU	1177501	1	1	1	1	*	*
06	COIL ASY COND AL/CU	1177623	*	*	*	*	1	1
07	COIL ASY EVAP AL/CU	1177503	1	1	*	*	*	*
07	COIL ASY EVAP AL/CU	1177585	*	*	1	1	*	*
07	COIL ASY EVAP AL/CU	1177625	*	*	*	*	1	1
08	COMP SRH782AE	1175395	*	1	*	3	*	*
08	COMP SRY782AE	1175396	1	*	3	*	*	*
08	COMP ZR144KC-TF5-250	ZR144KCTF5250	*	*	*	*	2	*
08	COMP ZR144KC-TFD-250	ZR144KCTFD250	*	*	*	*	*	2
09	COMP SRH612HE	1177579	*	2	*	*	*	*
09	COMP SRY612HE	1177504	2	*	*	*	*	*
10	CONTACTOR 2P 30A 24V	1176523	1	1	1	1	1	1
11	CONTACTOR 3P 40A 24V	1171818	*	*	*	*	*	3
11	CONTACTOR 3P 25A 240V	1171818	4	4	1	4	*	*
11	CONTACTOR 3P 50A 208-240V	1176403	*	*	*	*	2	*
12	CONTACTOR AUXILLARY	1177498	3	3	3	3	*	2
13	TRANS 200/230/460>24 75VA	1171496	1	1	1	1	2	2
14	FILTER DRIER	1177508	3	3	3	3	*	*
14	FILTER DRIER	1177620	*	*	*	*	2	2
15	DISTRIBUTOR	1173174	*	*	3	3	*	*
15	DISTRIBUTOR	1175455	3	3	*	*	*	*
15	DISTRIBUTOR	1177614	*	*	*	*	2	2
16	BOARD TERMINAL LO VOLT 8P	1171488	1	1	1	1	1	1
17	FUSE MIDGET 30 AMP	1177396	2	2	2	2	2	2
18	FUSE HOLDER MOUNT/MIDGET	1177393	2	2	2	2	2	2
19	GROMMET COMPRESSOR MTG	1171269	12	12	12	12	12	12
20	TERMINAL BOARD 24V	1177514	1	1	1	1	1	1
21	KEY SHAFT 1/4X1/4X2-1/4	1171320	1	1	1	1	1	1
22	MTR 230/460	1177616	*	*	*	*	1	1
22	MTR BLT 3/208-460 3.5 1725	1171341	1	1	*	*	*	*
22	MTR BLT 3/208-460 5 1725	1177581	*	*	1	1	*	*
23	MTR CND 1/230 1/2 1050/1	1177917	4	*	4	*	6	*
23	MTR CND 1/460 1/2 1050/1	1177580	*	4	*	4	*	6
24	NOZZLE ORIFICE	1170583	*	*	3	3	*	*
24	NOZZLE ORIFICE	1175909	3	3	*	*	*	*
24	NOZZLE ORIFICE	1177627	*	*	*	*	2	2
25	FAN PROP (3 BLADE)	1177506	4	4	4	4	6	6
26	PULLEY	1177621	*	*	*	*	1	1

PAH 210 – 300 PARTS LIST (continued)								
KEY NO.	DESCRIPTION	FAST PARTS NO.	PAH210H0A00AAA	PAH210L0A00AAA	PAH240H0A00AAA	PAH240L0A00AAA	PAH300H0A00AAA	PAH300L0A00AAA
26	PULLEY 1-1/8 X 4.75 1VP60	1170699	*	*	1	1	*	*
26	PULLEY 7/8 X 3.75 1VL40	1171557	1	1	*	*	*	*
27	PULLEY	1177622	*	*	*	*	1	1
27	PULLEY 2BK80 1 3/16	1177584	*	*	1	1	*	*
27	PULLEY BK77 1 3/16	1177507	1	1	*	*	*	*
28	RELAY 24V DPST 9400-03Q228	1171436	*	*	*	*	2	*
28	RELAY 24V SPST NO	1172422	1	1	1	1	*	*
29	RELAY SENSING	1171434	3	3	3	3	2	2
30	SHAFT FAN	1171451	1	1	1	1	1	1
31	SWITCH HIGH PRESSURE	1177511	3	3	3	3	2	2
32	SWITCH LOW PRESSURE	1177512	3	3	3	3	2	2
33	RELAY PHASE MONITOR	1175906	1	1	1	1	*	*
34	TERMINAL BLOCK 1P 175A 600V	1171486	*	1	*	1	*	1
34	TERMINAL BLOCK 1P 380A 600V	1174337	1	*	1	*	1	*
35	VALVE TXV 15 TON	1177615	*	*	*	*	2	2
35	VALVE TXV 8 TON	1177515	3	3	3	3	*	*
36	BLOWER WHEEL 15X11	1177500	2	2	2	2	2	2
37	CRANKCASE HEATER 70W 240V	1177505	3	*	3	*	*	*
37	CRANKCASE HEATER 70W 240V	1177618	*	*	*	*	2	*
37	CRANKCASE HEATER 70W 480V	1177583	*	3	*	3	*	*
37	CRANKCASE HEATER 70W 480V	1177617	*	*	*	*	*	2
38	BOLT HEX HEAD COMPRESSOR MTG	1171056	12	12	12	12	8	8
39	SWITCH TEMP O30 C45	1177513	3	3	3	3	2	2
40	CONTACTOR 3P 30A 24V	1171164	*	*	3	*	1	*
41	BREAKER 12A 3 POLE 600V	1171081	*	*	*	*	*	1
41	BREAKER 15.8A 3 POLE 240V	1177582	*	*	1	*	*	*
41	BREAKER 22A 3 POLE 240V	1171082	*	*	*	*	1	*
41	BREAKER 7.9A 3 POLE 480V	1170545	*	*	*	1	*	*
AA	PLATE POWER SUPPLY	1177559	1	1	1	1	1	1
AB	CHANNEL IFM DECK SUPPORT	1177532	1	1	1	1	1	1
AC	CLAMP CAP OV	1176134	2	2	2	2	3	3
AD	FAN DECK SLIDE OUT	1177539	1	1	1	1	1	1
AE	INSULN ASY INDOOR TOP COVER	1177546	1	1	1	1	1	1
AF	BASEPAN OUTDOOR	1177518	1	1	1	1	1	1
AG	BRACKET TXV	1177632	3	3	3	3	2	2
AH	TOP COVER OUTDOOR FAN	1177564	1	1	1	1	*	*
AH	TOP COVER OUTDOOR FAN	1177633	*	*	*	*	1	1
AJ	INSULN ASY INDOOR TOP COVER	1177547	1	1	1	1	1	1
AK	FAN SIDE PLATE OPPOSITE HAND	1177540	1	1	1	1	1	1
AL	FAN SIDE PLATE	1177570	2	2	2	2	2	2
AM	FAN SIDE PLATE OPPOSITE HAND	1177562	1	1	1	1	1	1
AN	PLATE ASY COMPRESSOR MTG	1177560	1	1	1	1	1	1
AP	SCROLL 15X11	1177561	2	2	2	2	2	2
AR	FILTER SLIDE BRACKET	1177541	2	2	2	2	2	2
AS	FILTER TRACK LOWER	1177542	1	1	1	1	1	1

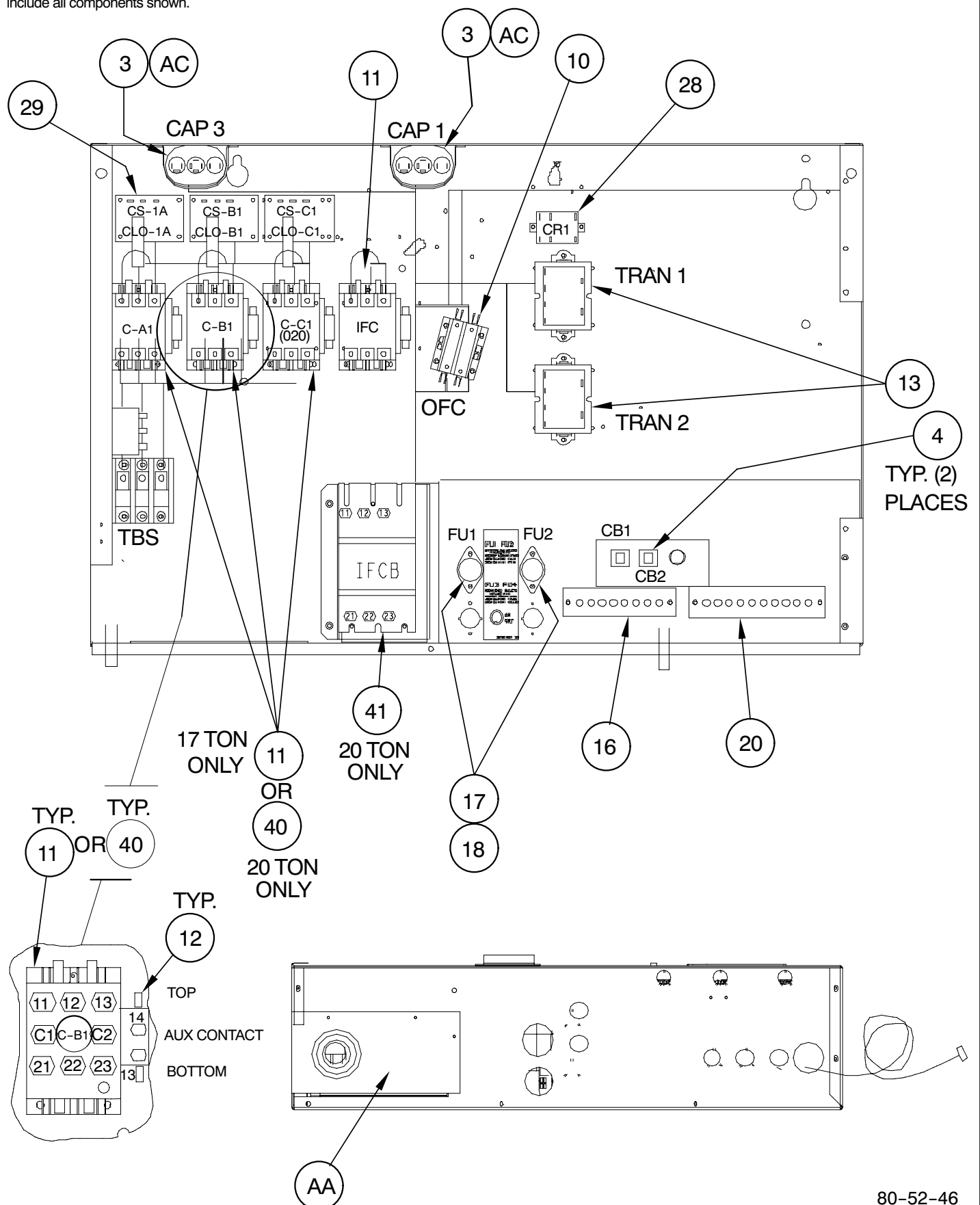
PAH 210 – 300 PARTS LIST (continued)								
KEY NO.	DESCRIPTION	FAST PARTS NO.	PAH210H0A00AAA	PAH210L0A00AAA	PAH240H0A00AAA	PAH240L0A00AAA	PAH300H0A00AAA	PAH300L0A00AAA
AT	INSULN ASY CENTER SUPPORT	1177544	1	1	1	1	1	1
AV	INSULN ASY SUPPLY BASEPAN	1177543	1	1	1	1	1	1
AW	CONDENSER PAN	1177536	1	1	1	1	1	1
AX	COIL SUPPORT OUTER	1177535	1	1	1	1	*	*
AX	COIL SUPPORT OUTER	1177641	*	*	*	*	1	1
AY	COIL SUPPORT OUTER	1177538	1	1	1	1	*	*
AY	COIL SUPPORT OUTER	1177642	*	*	*	*	1	1
AZ	COIL SUPPORT INNER	1177534	1	1	1	1	*	*
AZ	COIL SUPPORT INNER	1177644	*	*	*	*	1	1
BA	COIL SUPPORT INNER	1177533	1	1	1	1	*	*
BA	COIL SUPPORT INNER	1177664	*	*	*	*	1	1
BB	TOP RAIL FRONT	1177531	1	1	1	1	*	*
BB	TOP RAIL FRONT	1177629	*	*	*	*	1	1
BC	CENTER RAIL	1177529	1	1	1	1	1	1
BD	BAFFLE MIDDLE INSIDE	1177523	1	1	1	1	*	*
BD	BAFFLE MIDDLE INSIDE	1177639	*	*	*	*	1	1
BE	BAFFLE MIDDLE OUTSIDE	1177549	1	1	1	1	*	*
BE	BAFFLE MIDDLE OUTSIDE	1177640	*	*	*	*	1	1
BF	BLOCK OFF CONDENSER	1177521	1	1	1	1	1	1
BG	BAFFLE MIDDLE	1177550	1	1	1	1	*	*
BG	BAFFLE MIDDLE	1177645	*	*	*	*	1	1
BH	OUTDOOR RAIL	1177530	1	1	1	1	1	1
BJ	INSULN ASY CENTER POST	1177527	1	1	1	1	*	*
BJ	INSULN ASY CENTER POST	1177635	*	*	*	*	1	1
BK	FILTER AIR 16X25X2	1177571	9	9	9	9	*	*
BK	FILTER AIR 20X25X2	1177619	*	*	*	*	9	9
BL	PANEL ECONOMIZER ACCESS	1177553	1	1	1	1	1	1
BM	INSULN ASY CENTER POST	1177548	1	1	1	1	*	*
BM	INSULN ASY CENTER POST	1177636	*	*	*	*	1	1
BN	INSULN ASY CONTROL BOX ACCESS	1177554	1	1	1	1	*	*
BN	INSULN ASY CONTROL BOX ACCESS	1177637	*	*	*	*	1	1
BP	INSULN ASY FILTER ACCESS	1177555	1	1	1	1	*	*
BP	INSULN ASY FILTER ACCESS	1177638	*	*	*	*	1	1
CX	INSULN ASY CENTER POST	1177665	1	1	1	1	*	*
CX	INSULN ASY CENTER POST	1177669	*	*	*	*	1	1
CY	INSULN ASY ACCESS PANEL	1177666	1	1	1	1	*	*
CY	INSULN ASY ACCESS PANEL	1177670	*	*	*	*	1	1
CZ	INSULN ASY ACCESS PANEL	1177794	1	1	1	1	*	*
CZ	INSULN ASY ACCESS PANEL	1177925	*	*	*	*	1	1
DA	ACCESS PANEL ELEC HEAT	1177918	1	1	1	1	1	1
DB	INSULN ASY NO EXHAUST	1177628	*	*	*	*	1	1
DB	INSULN ASY NO INTAKE	1177628	1	1	1	1	*	*
A	CONDENSER PANEL LOWER	1177537	2	2	2	2	*	*
A	CONDENSER PANEL LOWER	1177631	*	*	*	*	2	2
B	TOP RAIL ECONOMIZER END	1177565	1	1	1	1	1	1

PAH 210 – 300 PARTS LIST (continued)								
KEY NO.	DESCRIPTION	FAST PARTS NO.	PAH210H0A00AAA	PAH210L0A00AAA	PAH240H0A00AAA	PAH240L0A00AAA	PAH300H0A00AAA	PAH300L0A00AAA
C	CENTER POST	1177528	1	1	1	1	*	*
C	CENTER POST	1177646	*	*	*	*	1	1
D	PANEL OUTDOOR UPPER	1177556	1	1	1	1	*	*
D	PANEL OUTDOOR UPPER	1177634	*	*	*	*	1	1
E	PANEL OUTDOOR UPPER	1177557	1	1	1	1	*	*
E	PANEL OUTDOOR UPPER	1177643	*	*	*	*	1	1
F	CHANNEL HEAT SIDE TOP	1177566	1	1	1	1	1	1
G	BLOCK OFF ECONOMIZER	1177522	1	1	1	1	*	*
G	BLOCK OFF ECONOMIZER	1177630	*	*	*	*	1	1
H	MOTOR CHANNEL IFM	1177526	1	1	1	1	1	1
J	MOTOR CHANNEL IFM	1177525	1	1	1	1	1	1
K	ANGLE IFM MOUNTING	1177516	1	1	1	1	1	1
L	MOTOR CHANNEL IFM	1177551	1	1	1	1	1	1
M	BEARING SUPPORT	1177519	2	2	2	2	2	2
N	BEARING SUPPORT	1177520	2	2	2	2	2	2
P	ANGLE BRACKET IFM	1177524	2	2	2	2	2	2
R	SLIDE BRACKET IFM	1177563	1	1	1	1	1	1
S	ANGLE IFM MOUNTING	1177517	1	1	1	1	1	1
T	ORIFICE RING OUTDOOR FAN	1177552	4	4	4	4	6	6
W	UTILITY COVER	1177567	1	1	1	1	1	1
X	INSULN ASY NO INTAKE	1177545	1	1	1	1	1	1
Y	PATCH PLATE NO POWER EXHAUST	1177558	1	1	1	1	1	1
Z	GRILLE	1171267	4	4	4	4	6	6
PARTS NOT SHOWN								
)	HARNESS ASY OFM	1177510	1	1	1	1	*	*
)	HARNESS ASY IFCB	1177586	*	*	1	1	1	1
)	HARNESS ASY IFCB	1177916	1	1	*	*	*	*
)	HARNESS ASY IFM	1177509	1	1	1	1	1	1
)	HARNESS ASY IFM	1177587	*	*	1	1	1	1
)	HARNESS ASY IFM	1177699	1	1	*	*	*	*
)	HARNESS ASY OFM	1177626	*	*	*	*	1	1

PAH 210 & 240

NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown.

CONTROL BOX GROUP

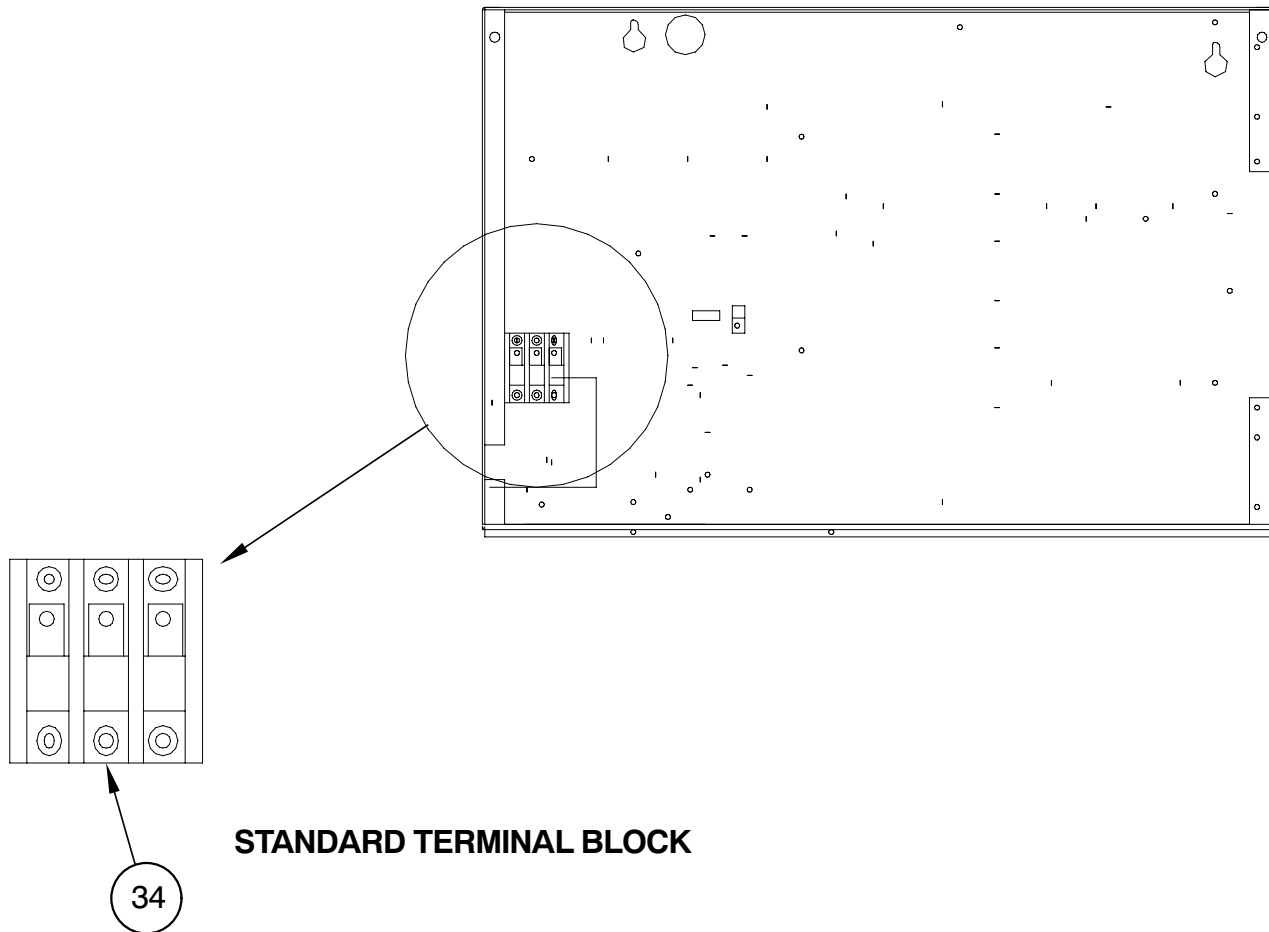


80-52-46

PAH 210 - 300

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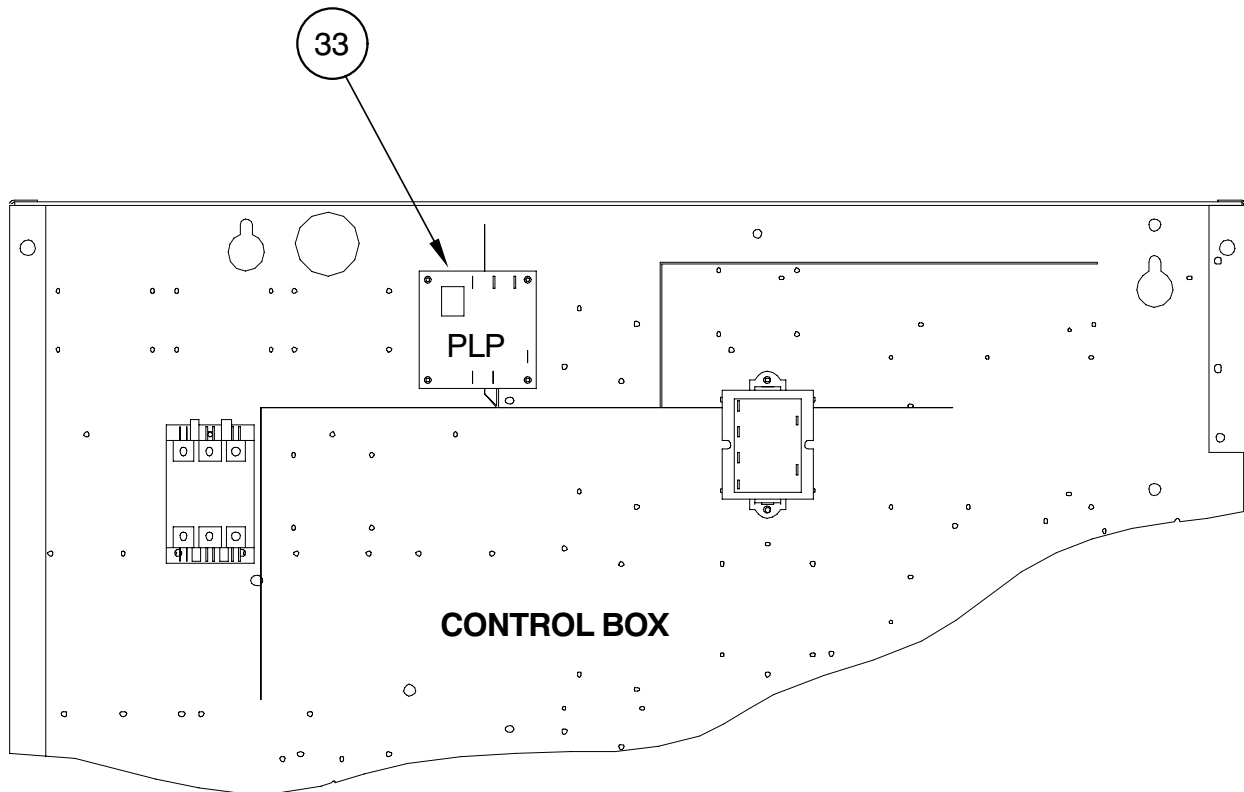
CONTROL BOX GROUP



PAH 210 – 300

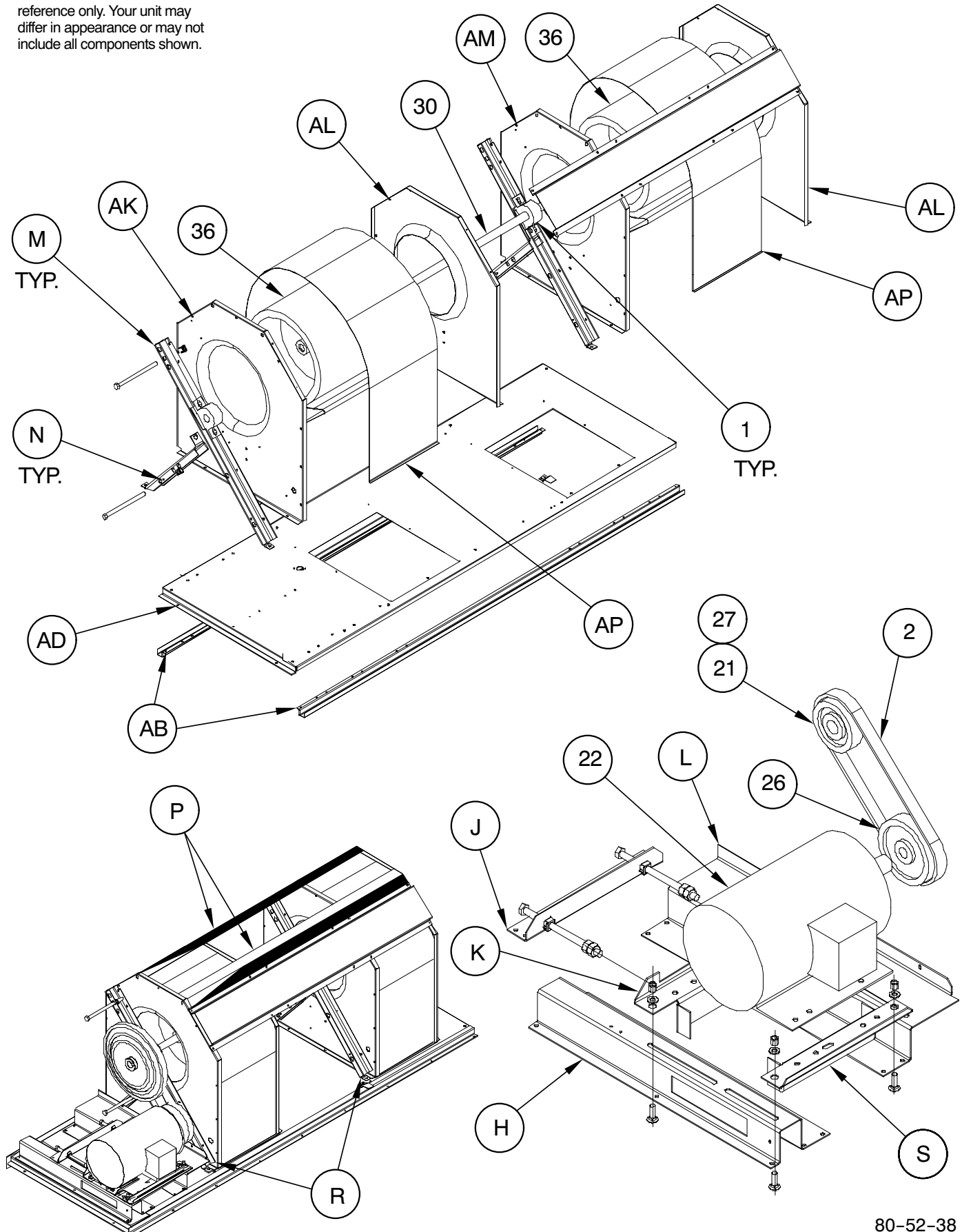
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CONTROL BOX GROUP (PHASE LOSS PROTECTION)



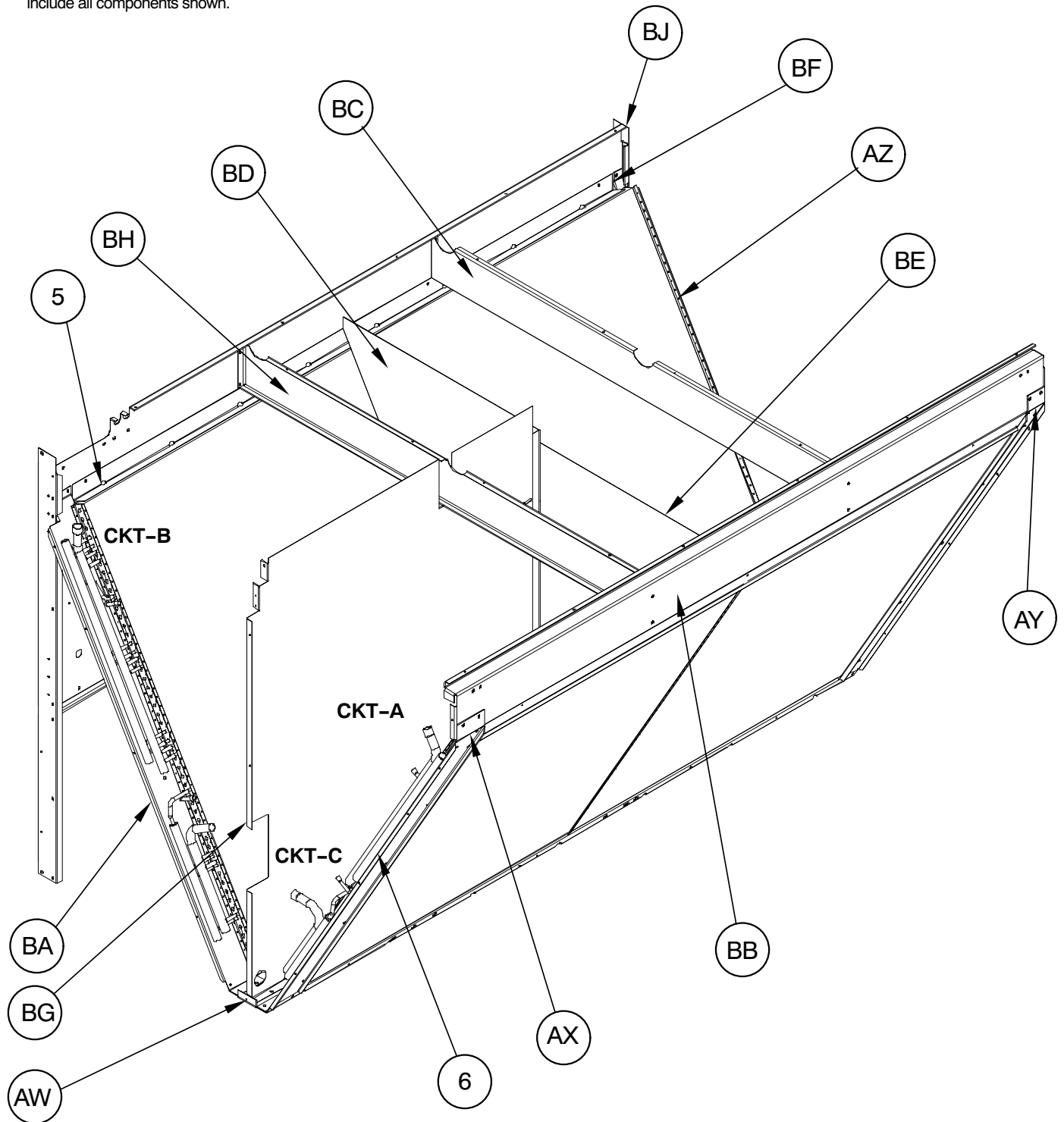
FAN AND MOTOR GROUP

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COIL AND PIPING GROUP OUTDOOR COILS

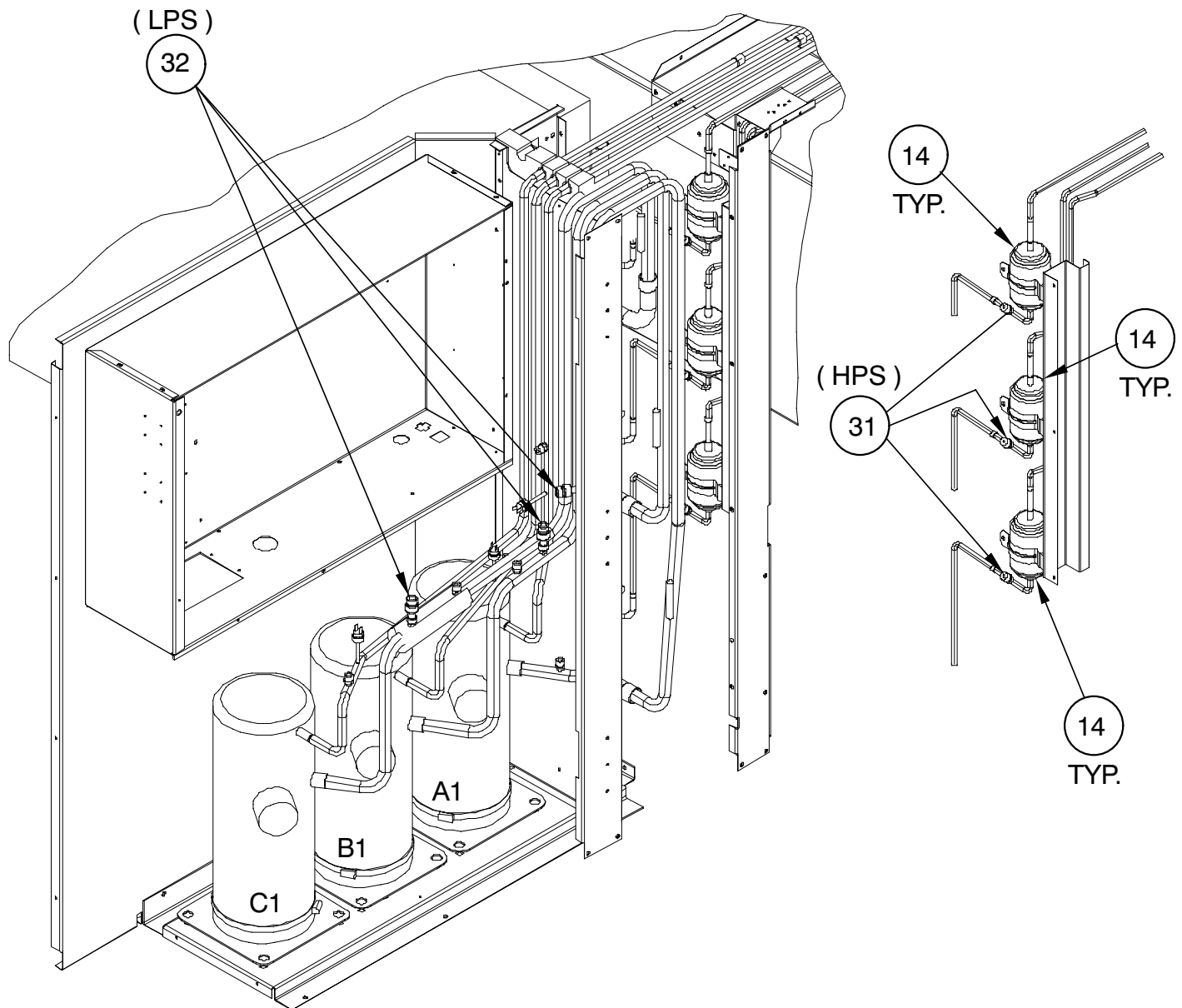
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PAH 210 & 240

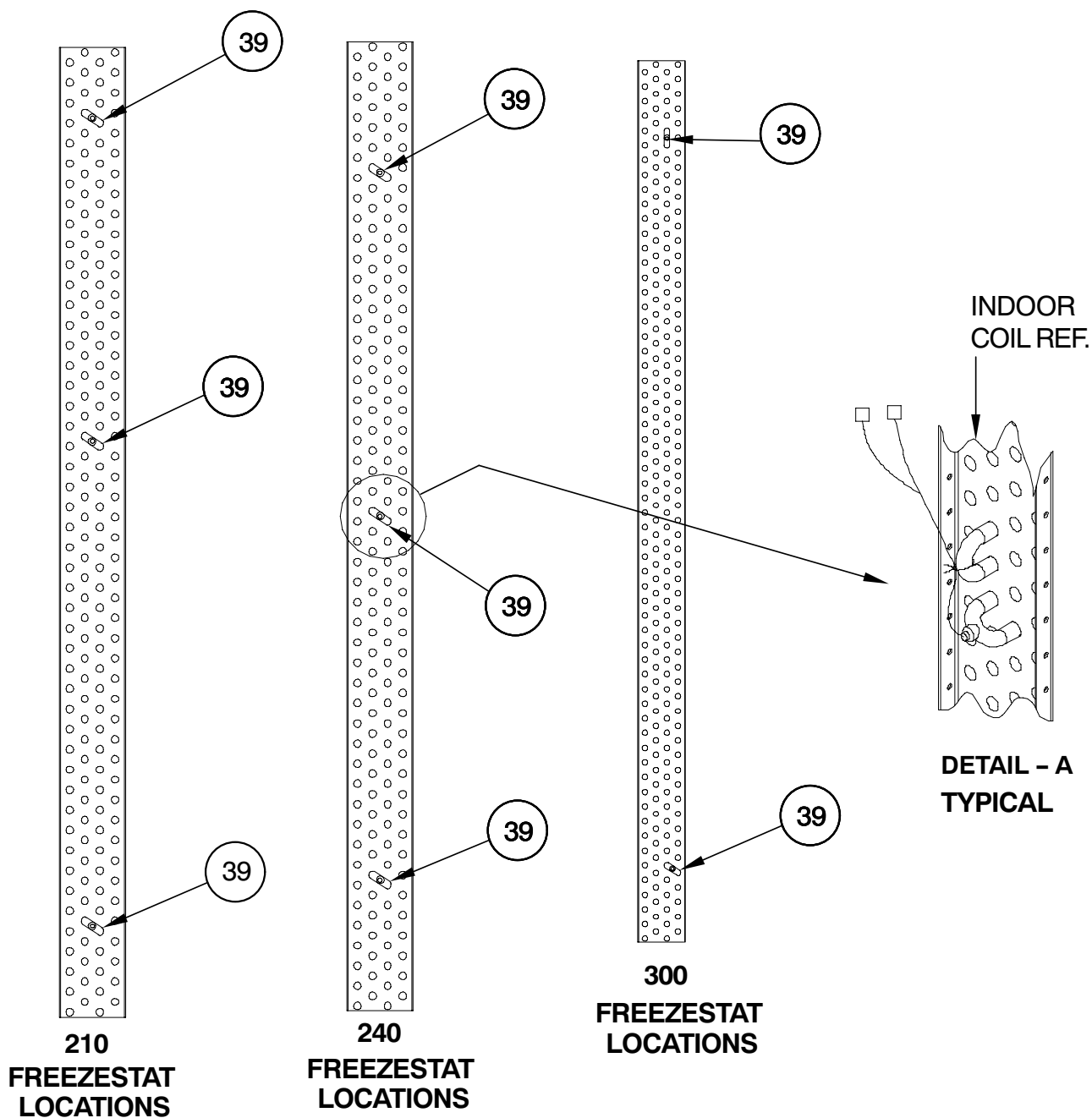
NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown.

COIL AND PIPING GROUP

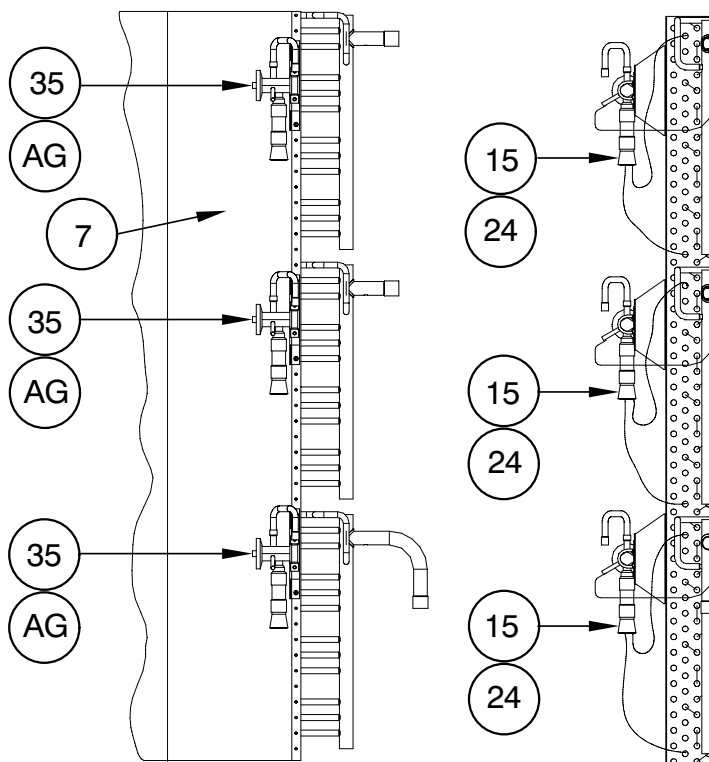
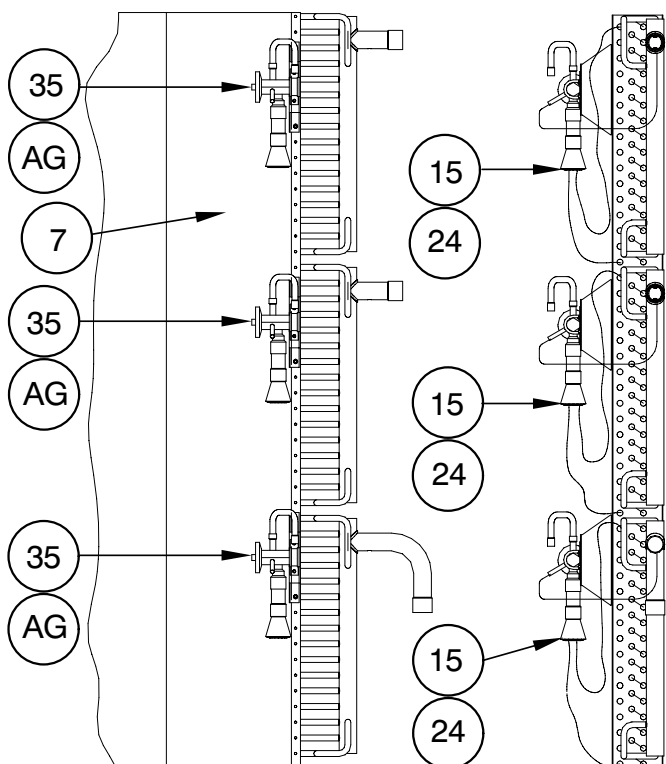
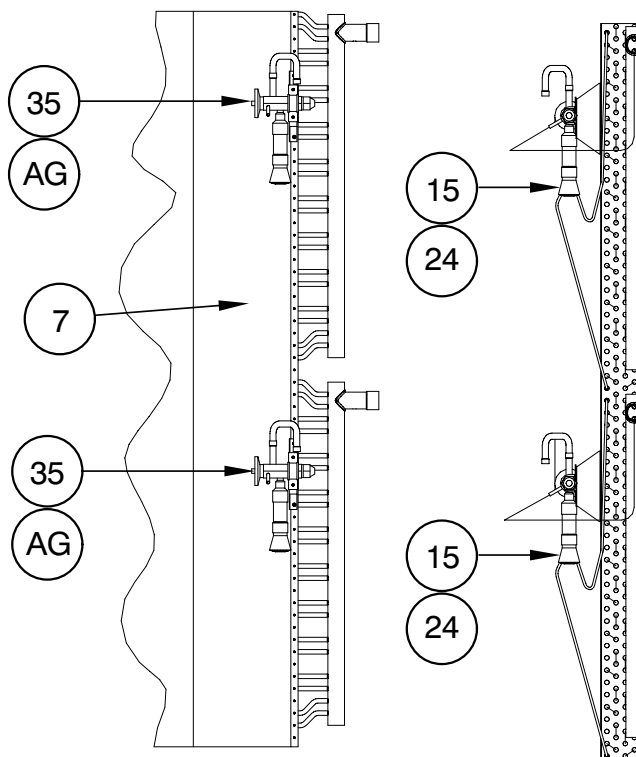


NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown.

CONTROLS (FPT LOCATIONS ON INDOOR COIL.)



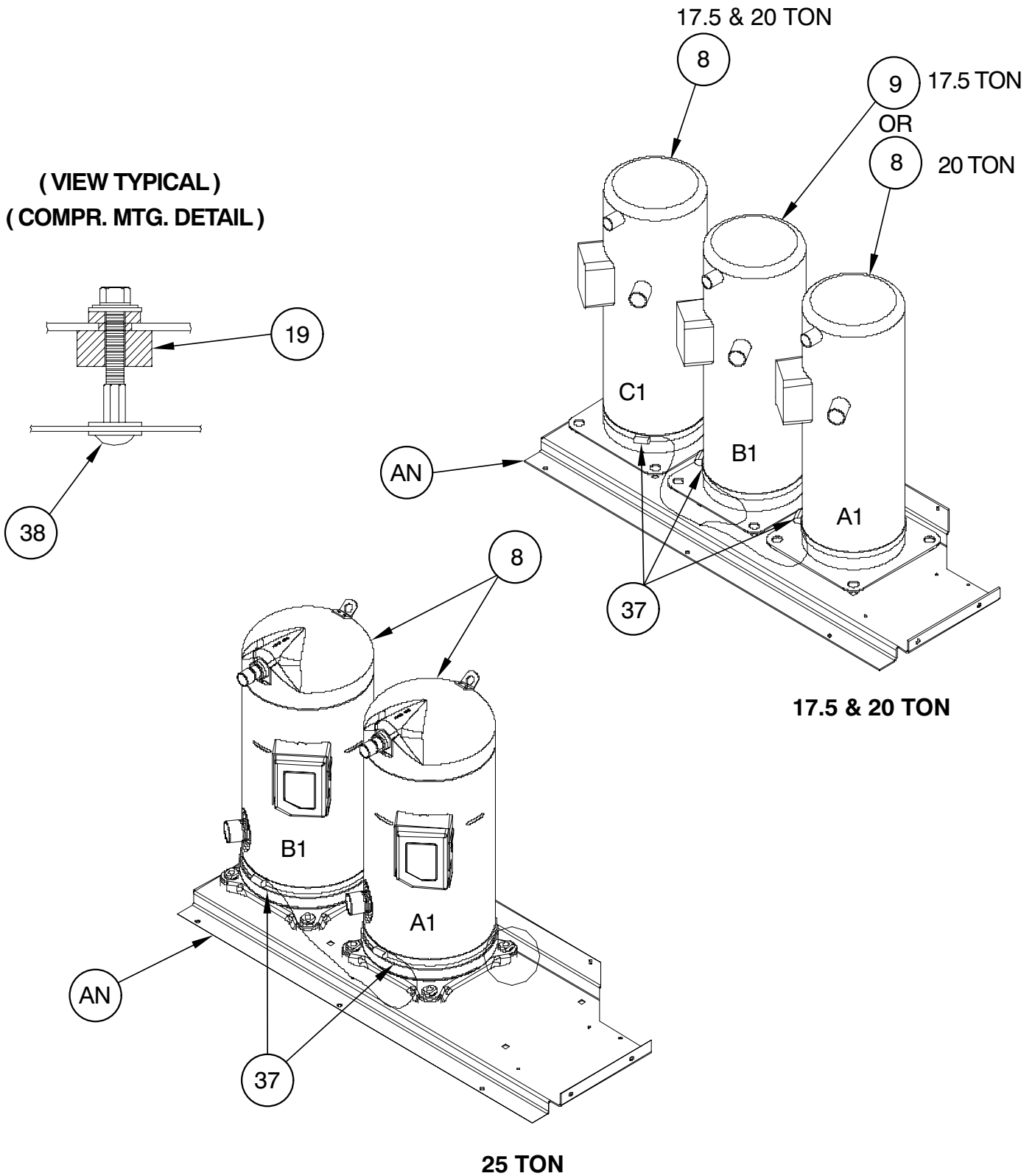
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**EVAPORATOR 240****EVAPORATOR 300**

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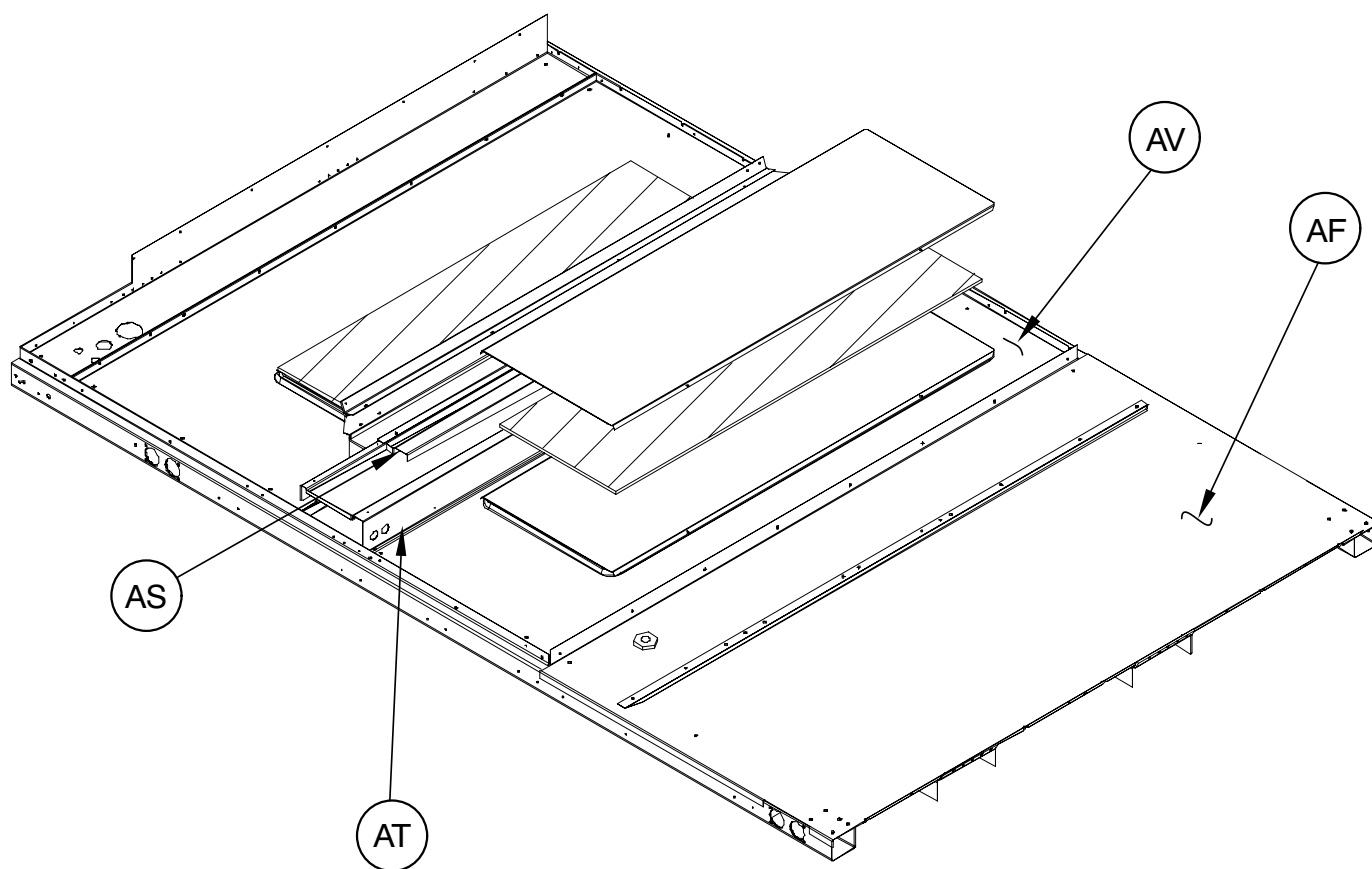
COMPRESSOR GROUP

(VIEW TYPICAL)
(COMPR. MTG. DETAIL)



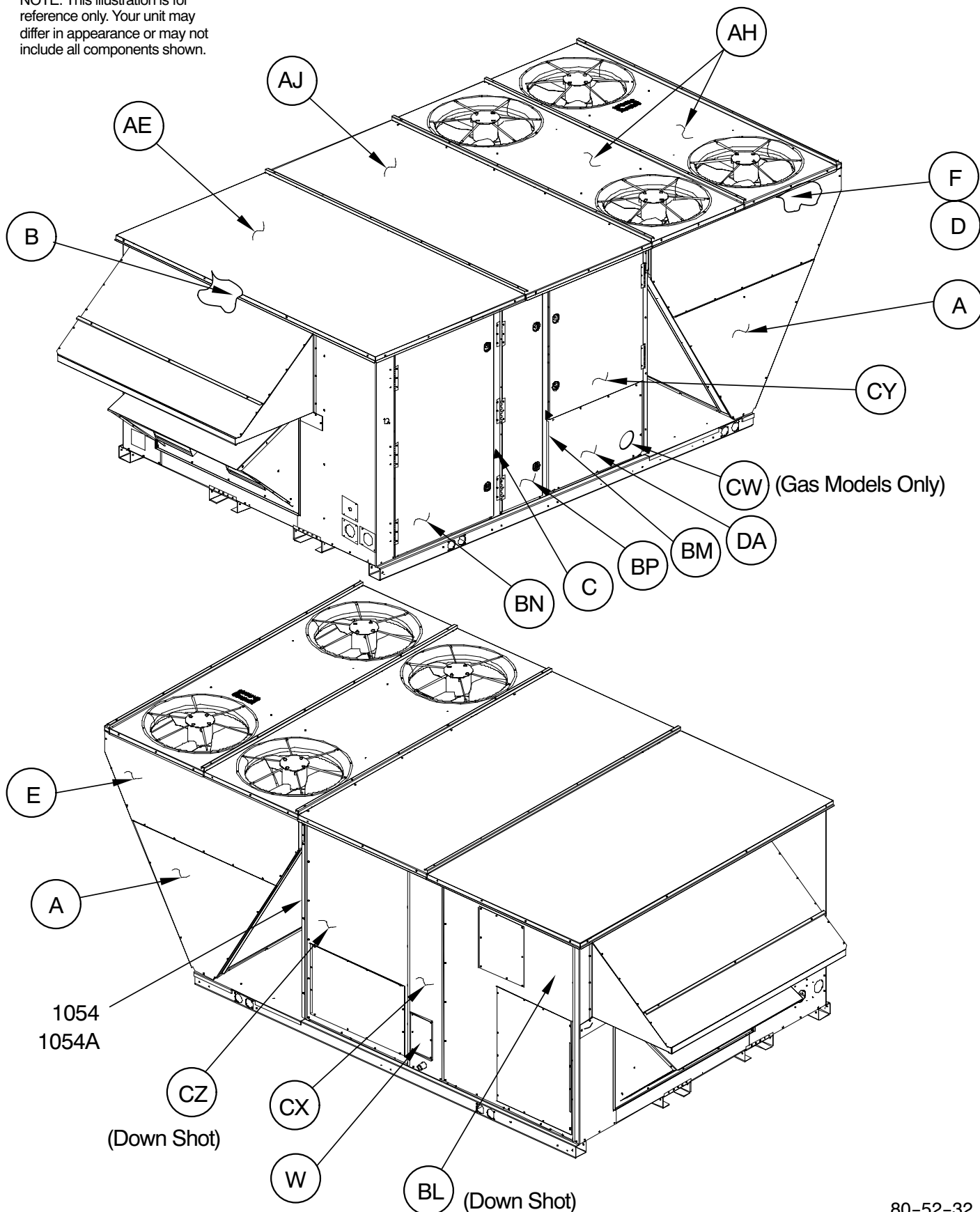
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FRAME ASY. - CASING GROUP



20 TON SHOWN (6) OUTDOOR FANS ON THE 25 TON

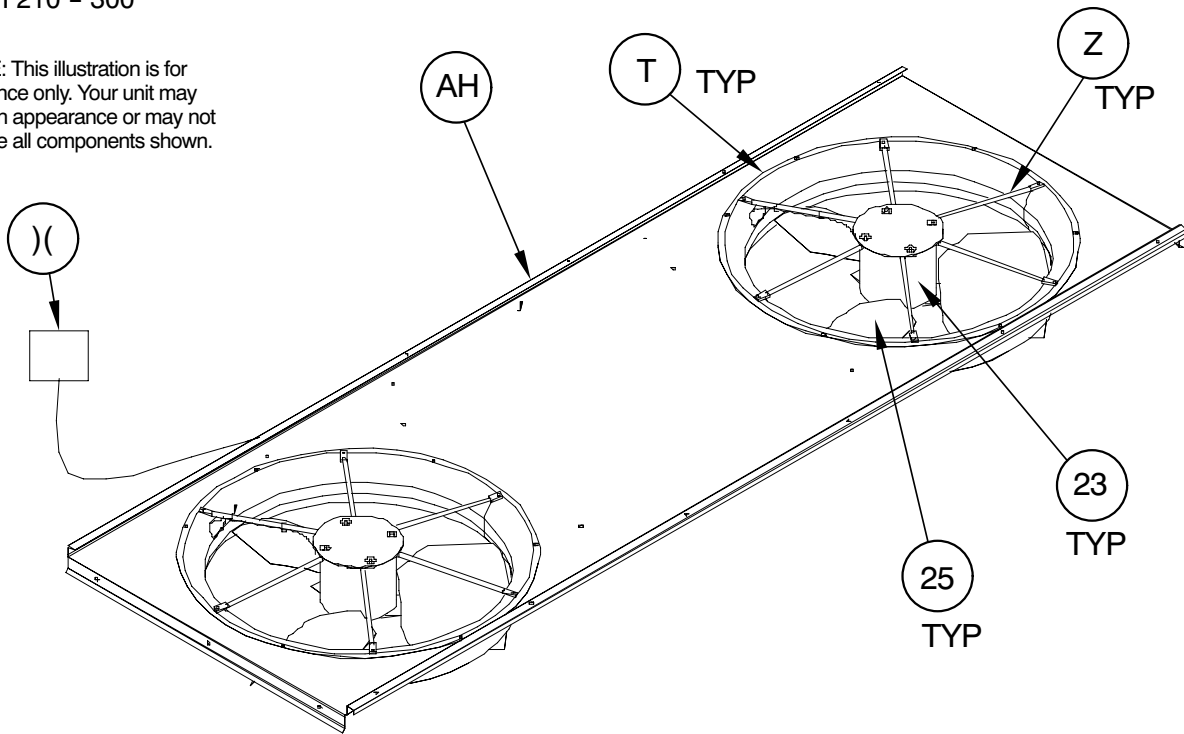
NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown.



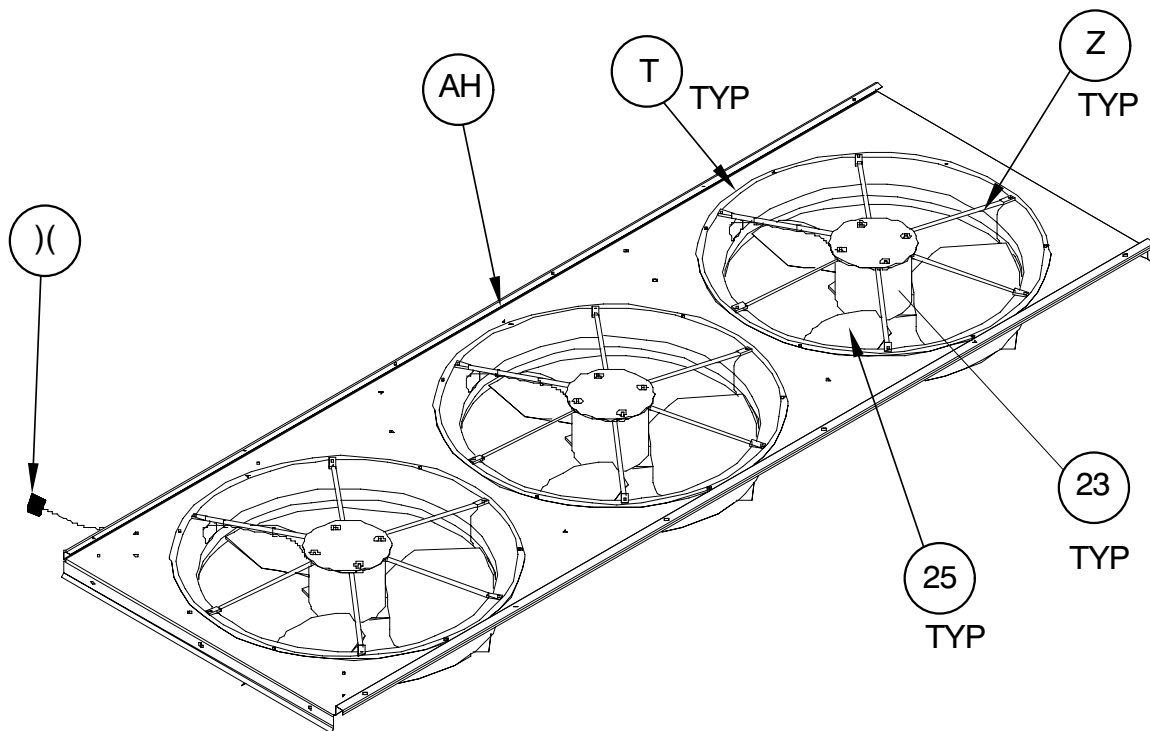
PAH 210 – 300

20 TON OUTDOOR FAN SECTION

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25 TON OUTDOOR FAN SECTION

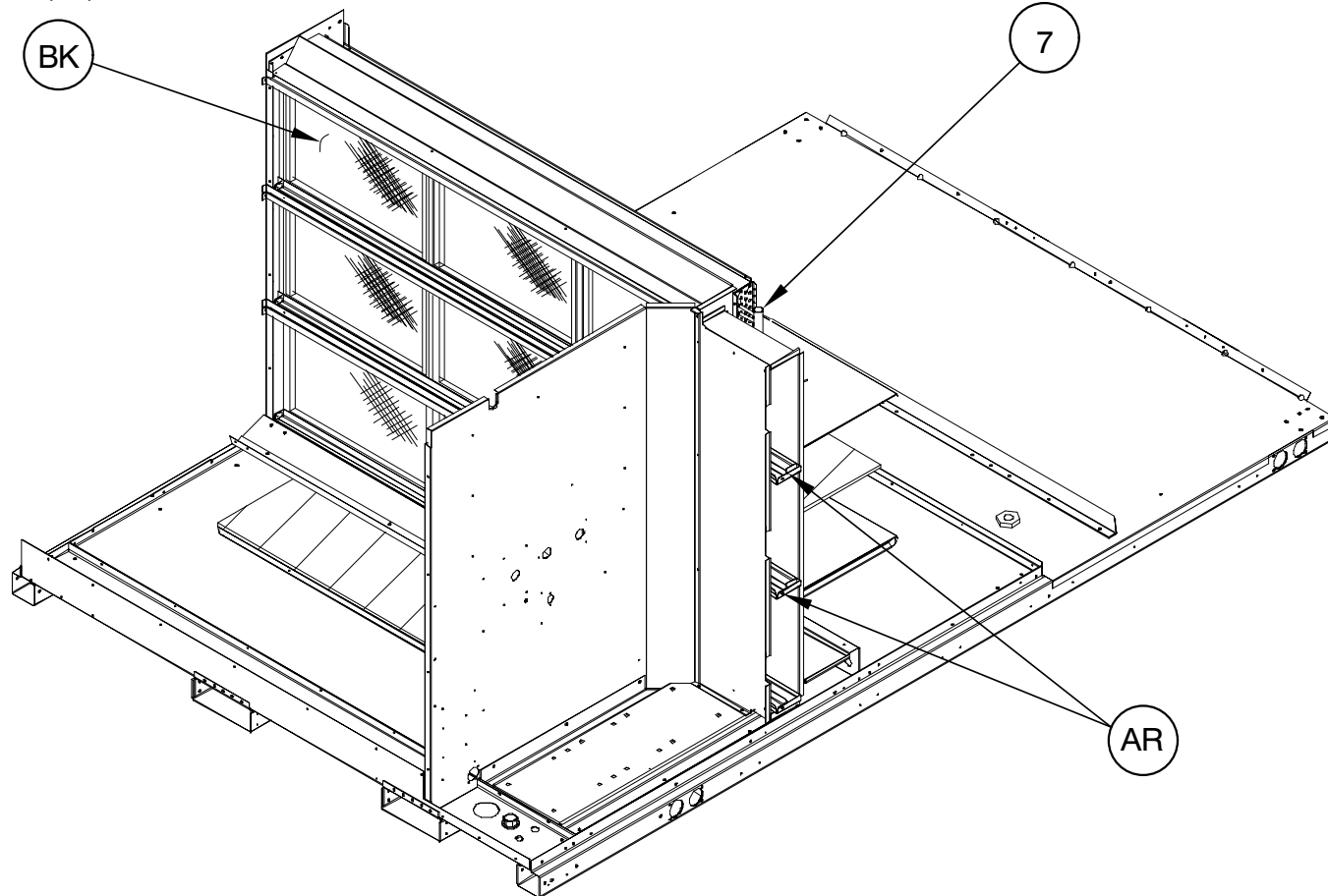


80-52-33

NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown.

FILTER GROUP

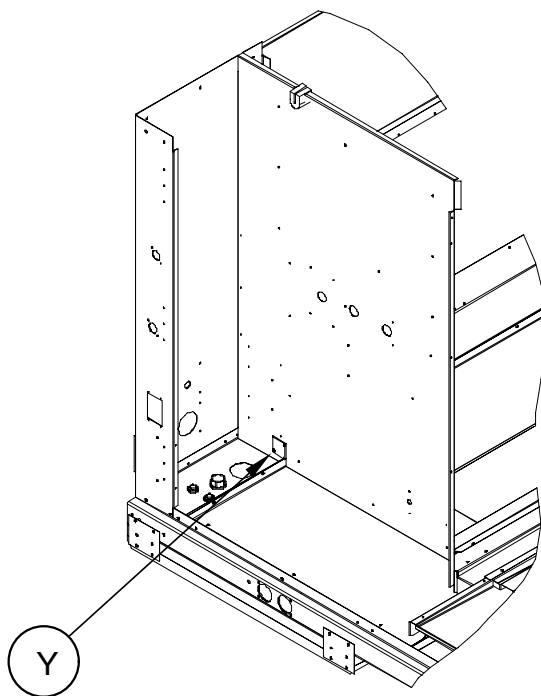
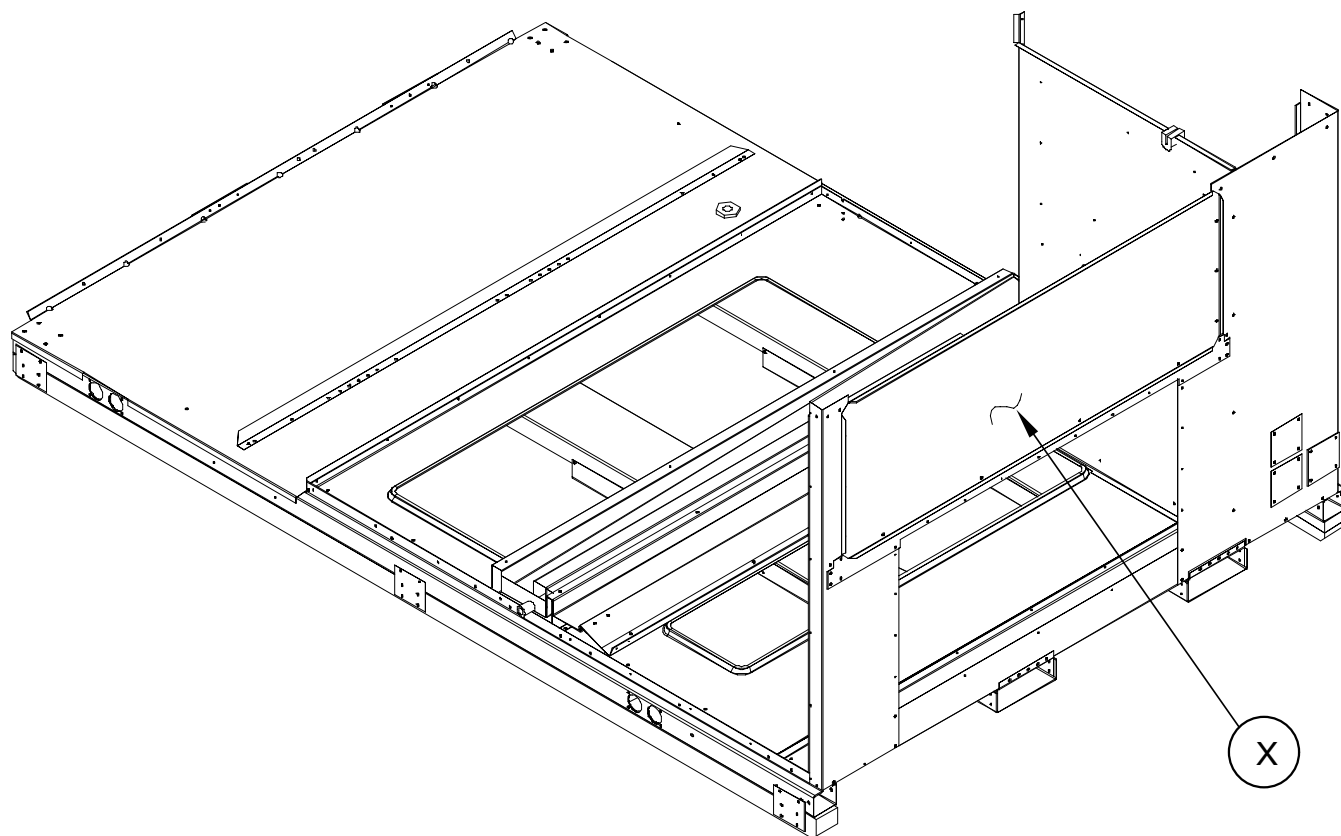
TYP. (9) PLACES



PAH 210 – 300

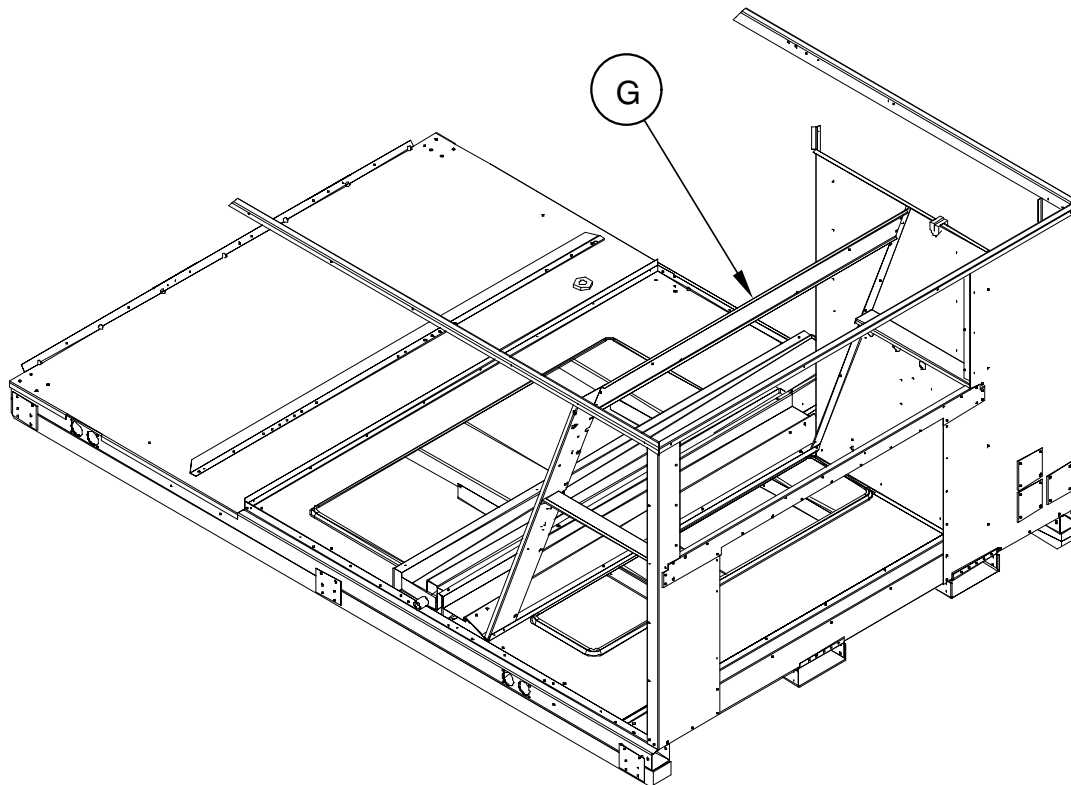
NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown.

NO INTAKE

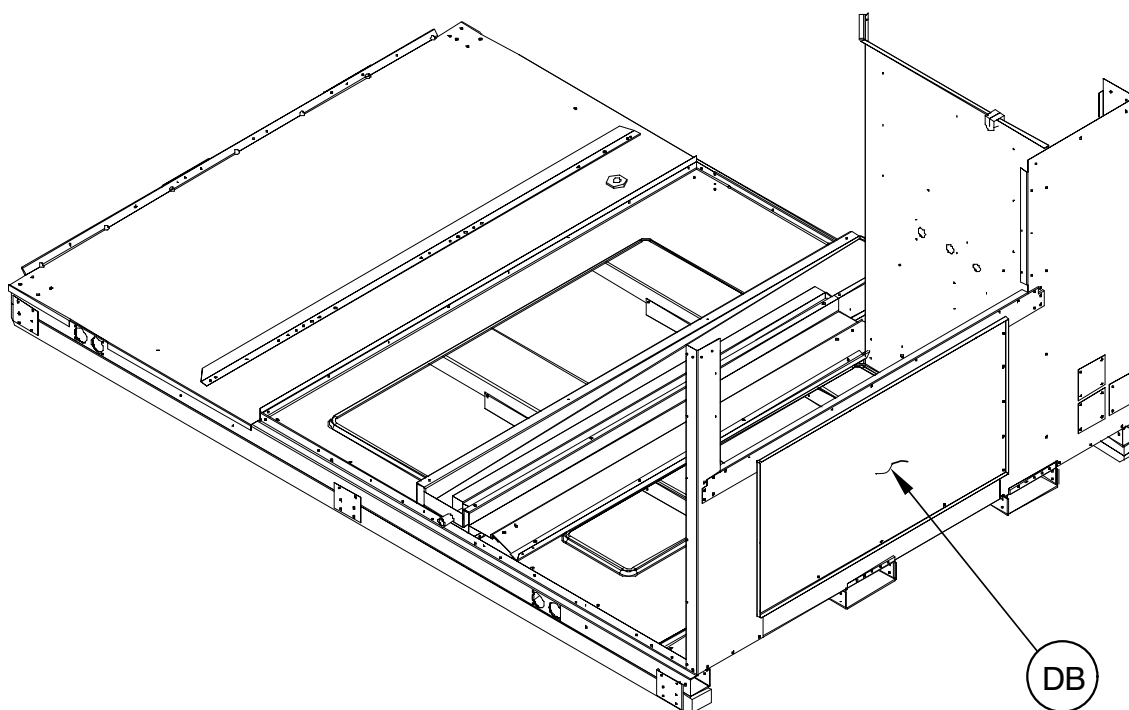


PAH 210 – 300

NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown.



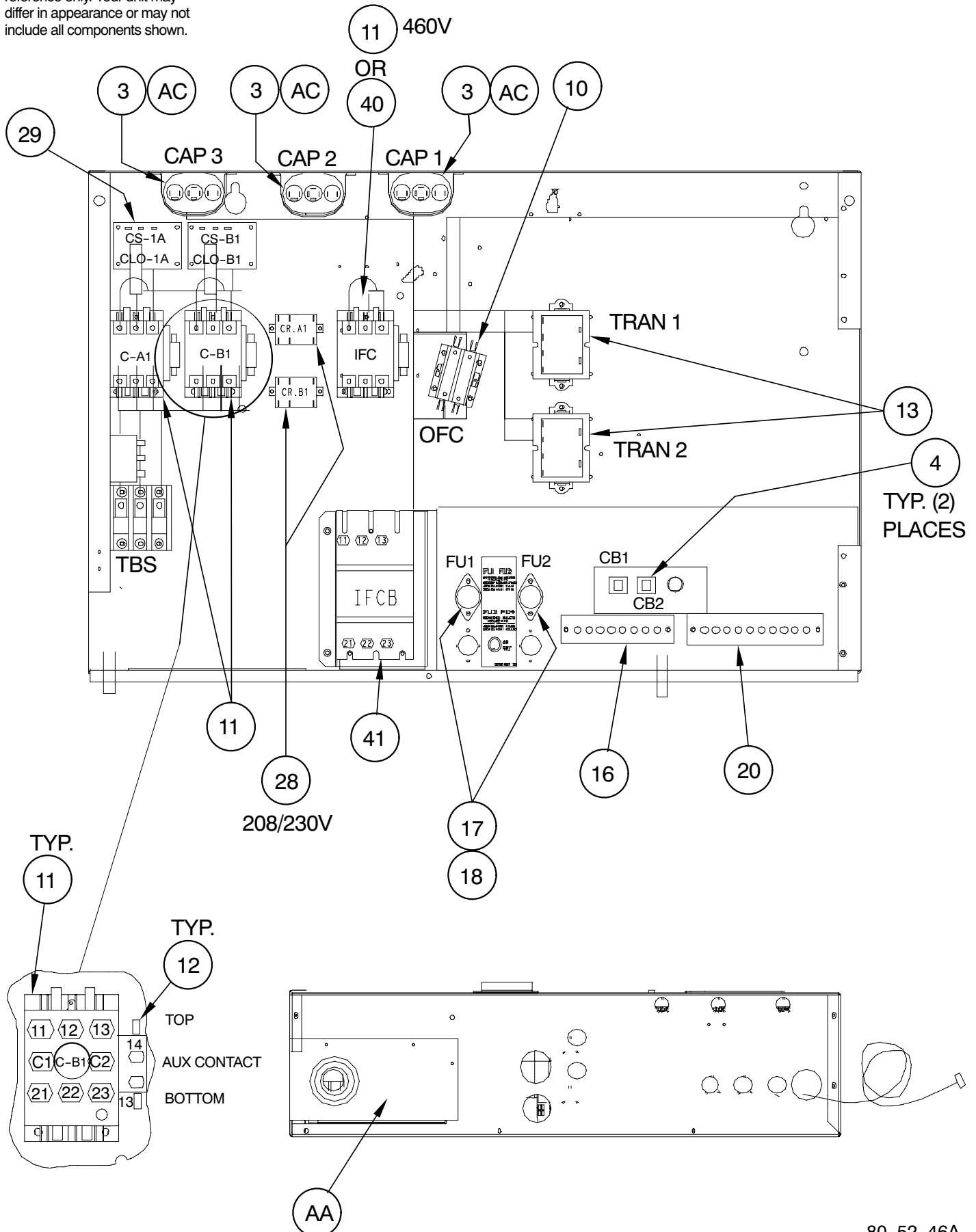
NO EXHAUST ASY



80-52-50

CONTROL BOX GROUP

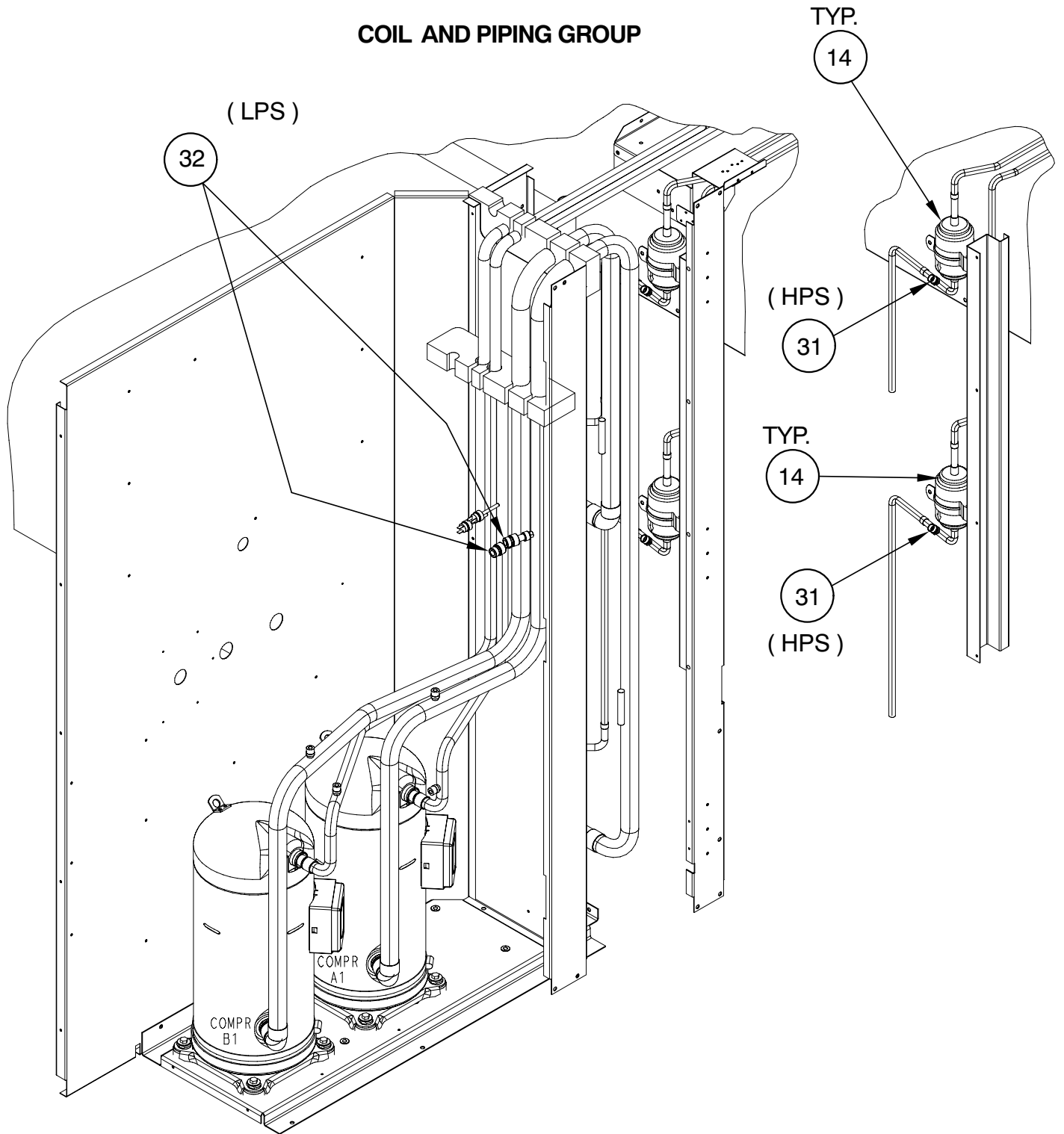
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PAH 300

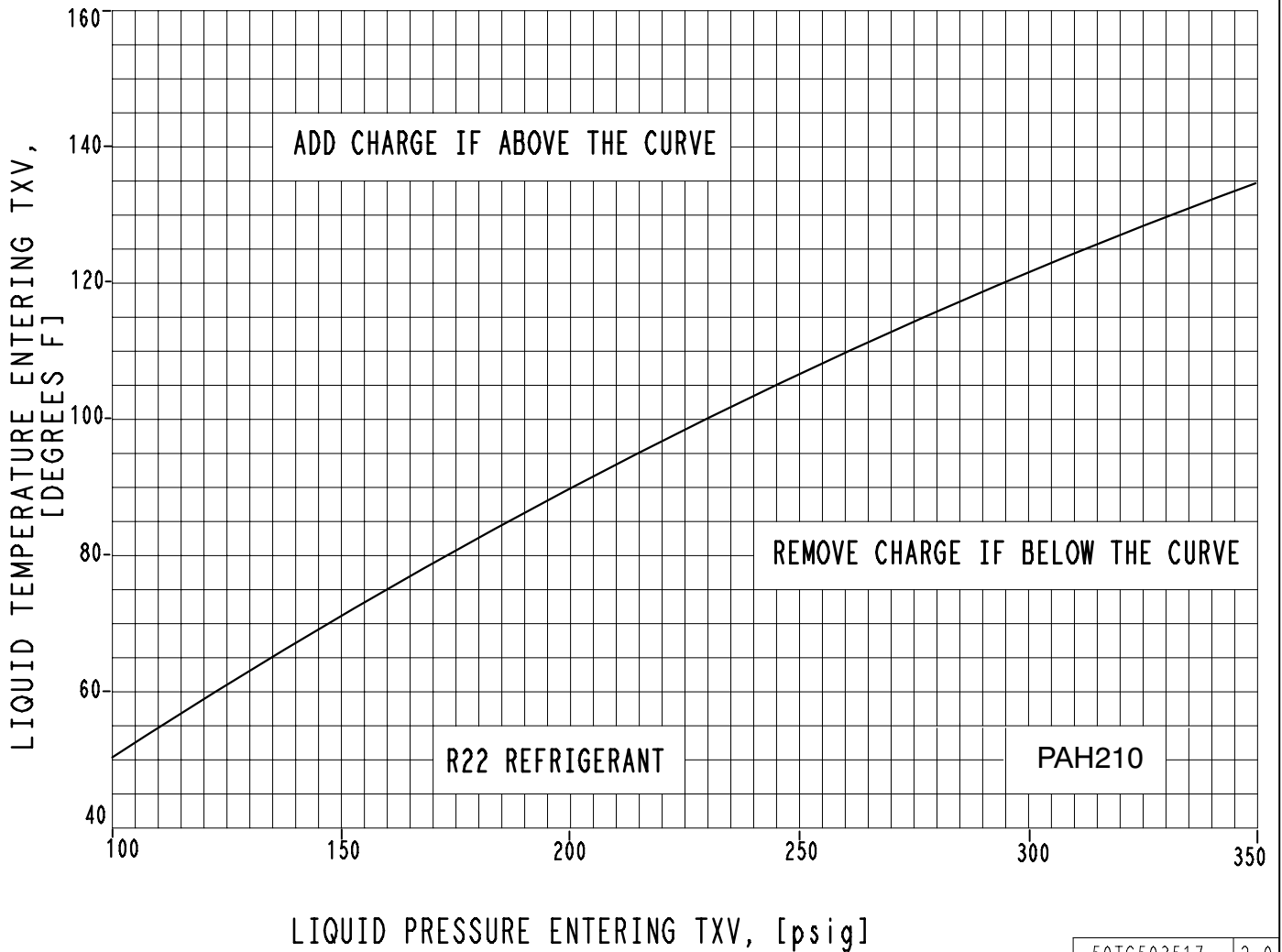
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COIL AND PIPING GROUP



PAH 210

CHARGING CHART (ALL CIRCUITS) ALL OUTDOOR FANS MUST BE OPERATING

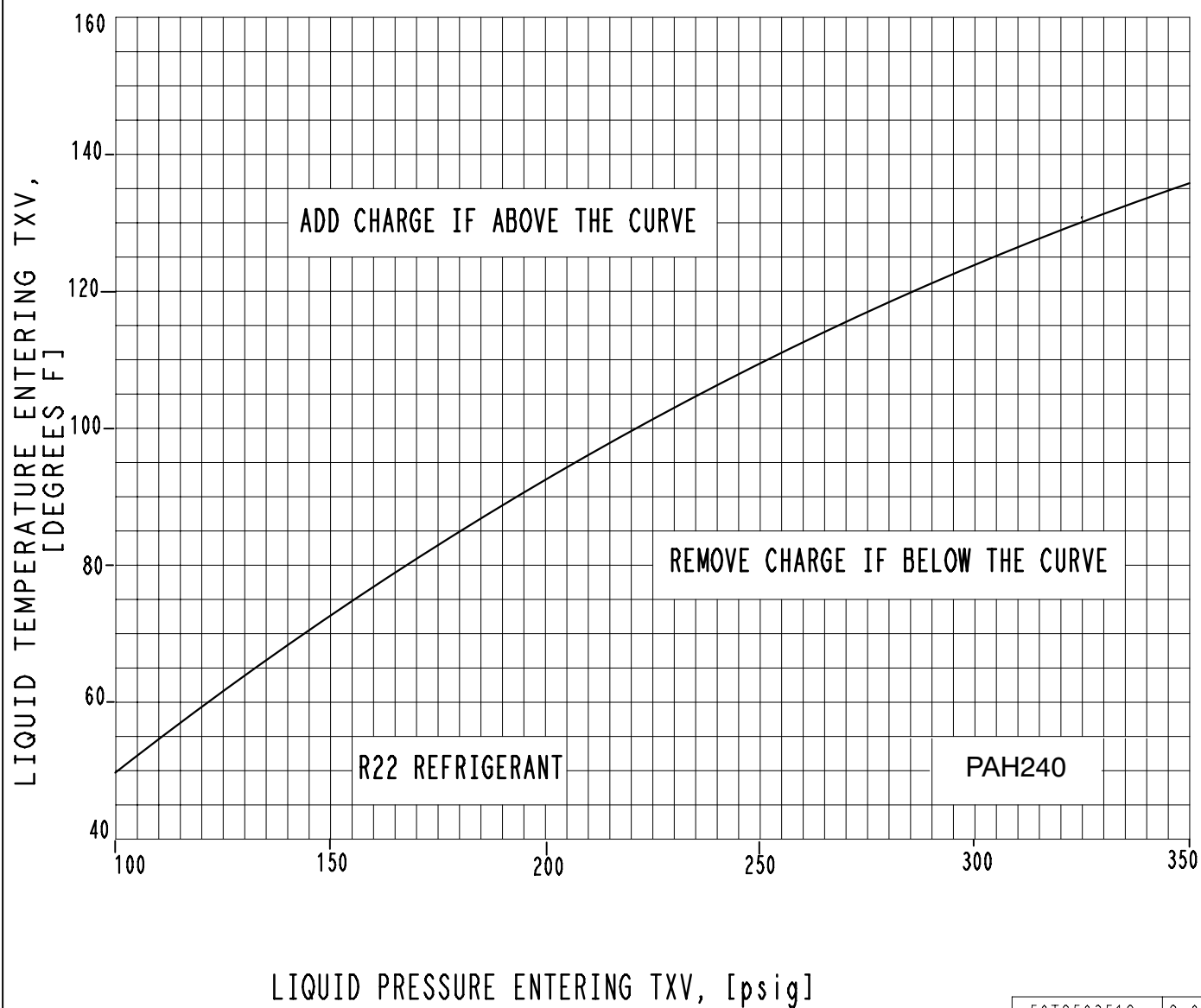


50TG503517

2.0

PAH 240

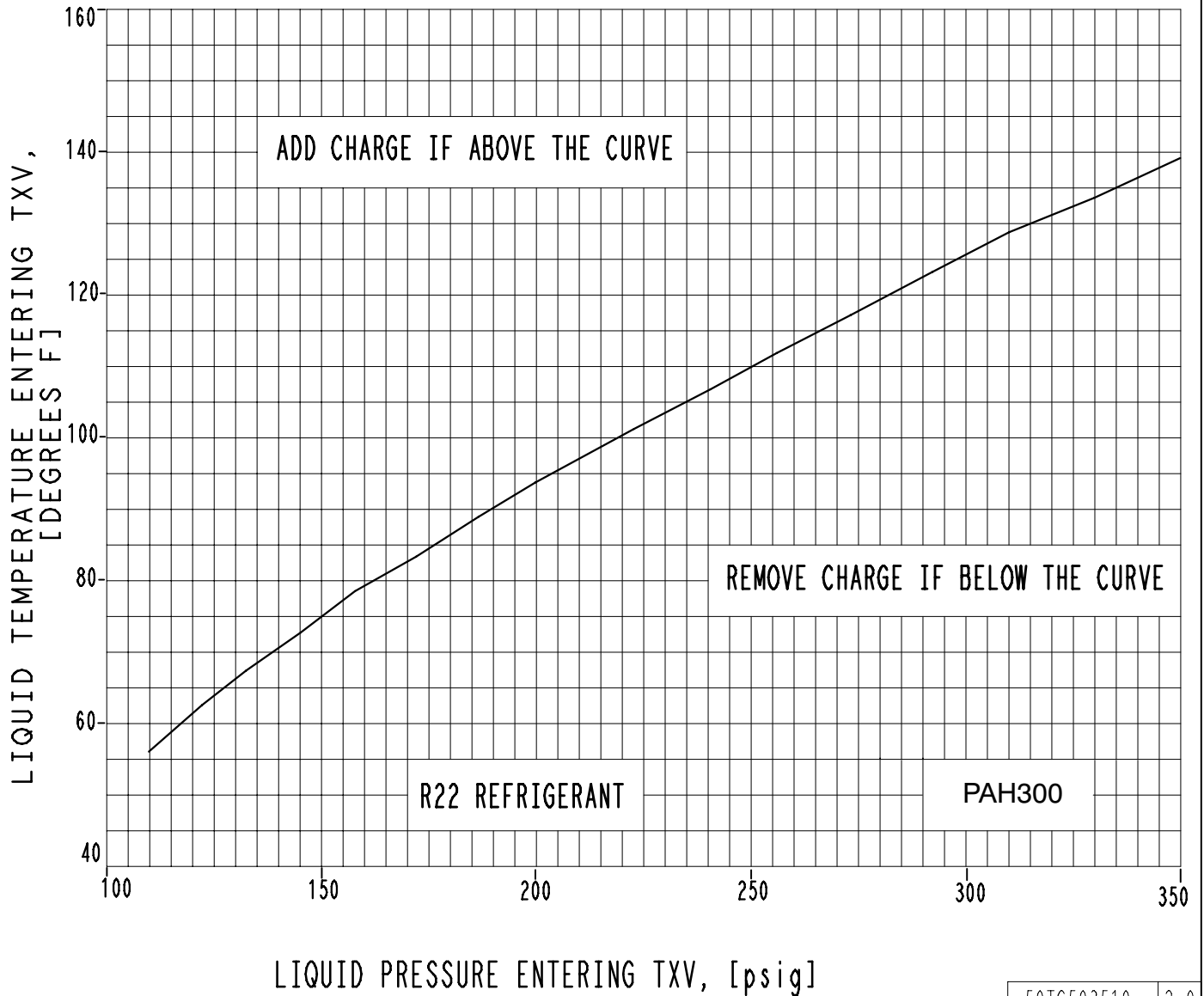
CHARGING CHART (ALL CIRCUITS) ALL OUTDOOR FANS MUST BE OPERATING



50TG503518 2.0

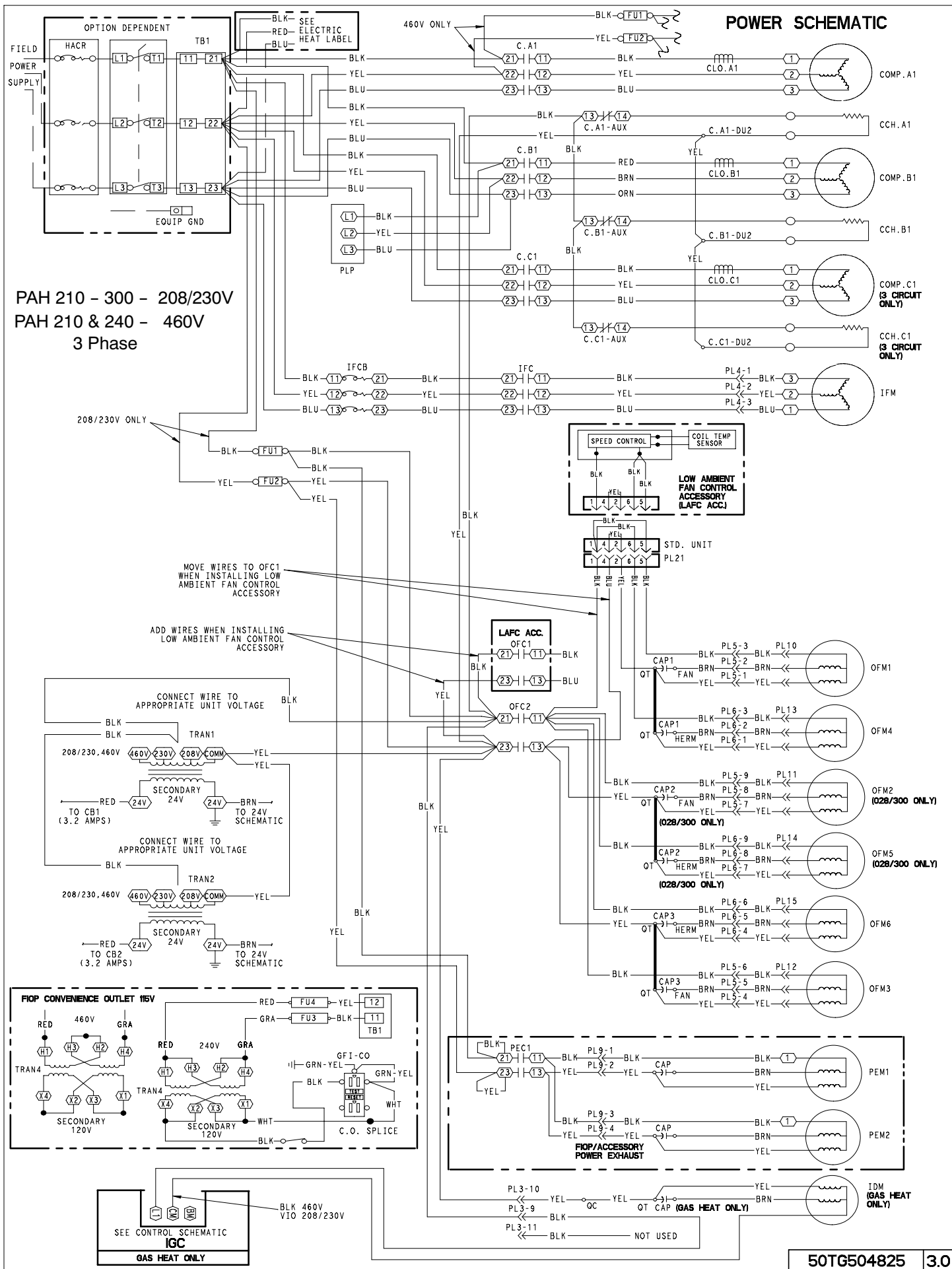
PAH 300

CHARGING CHART (ALL CIRCUITS) ALL OUTDOOR FANS MUST BE OPERATING



50TG503519 2.0

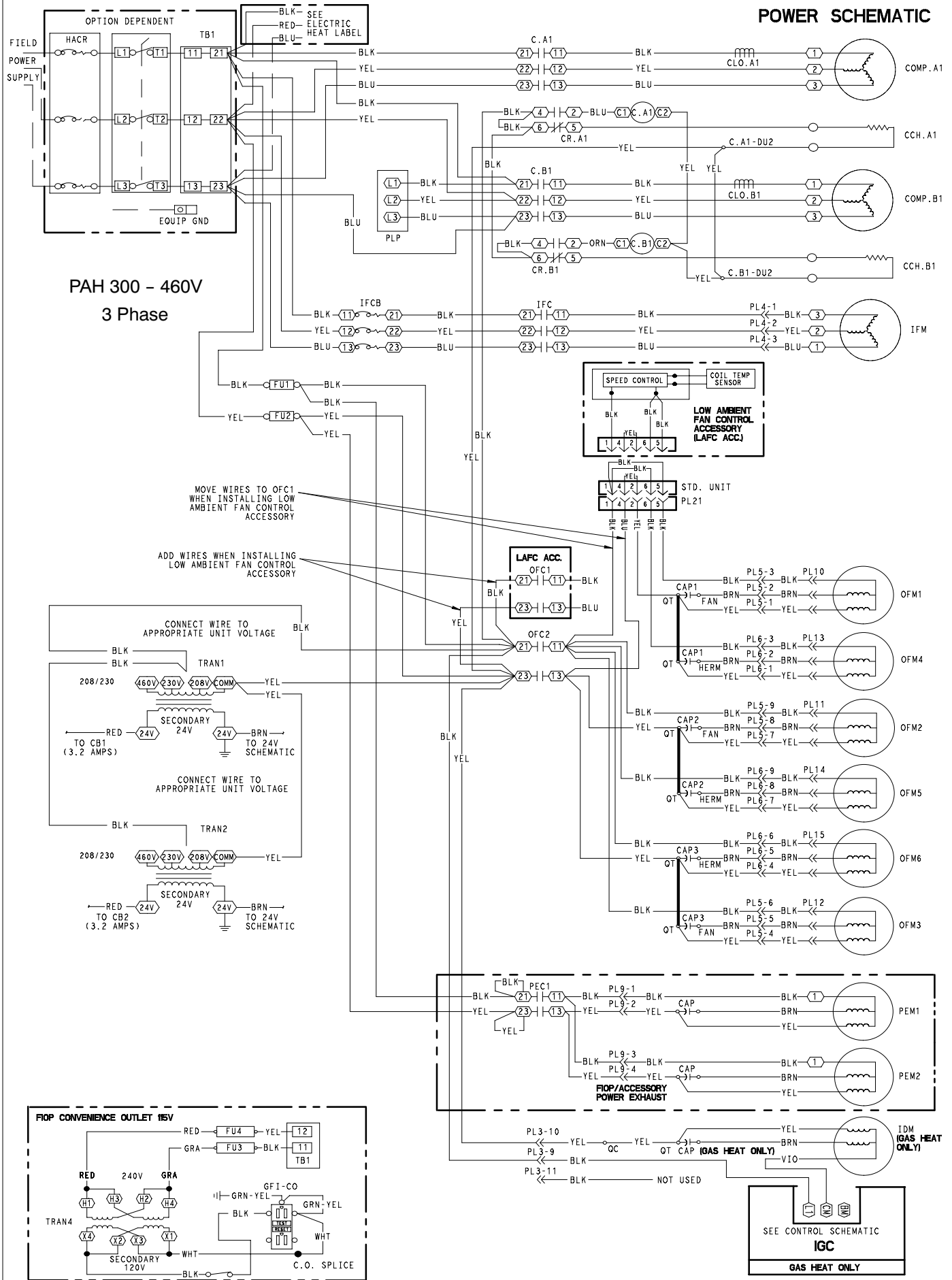
PAH 210 – 300 208 / 230V, PAH 210 & 240 460V



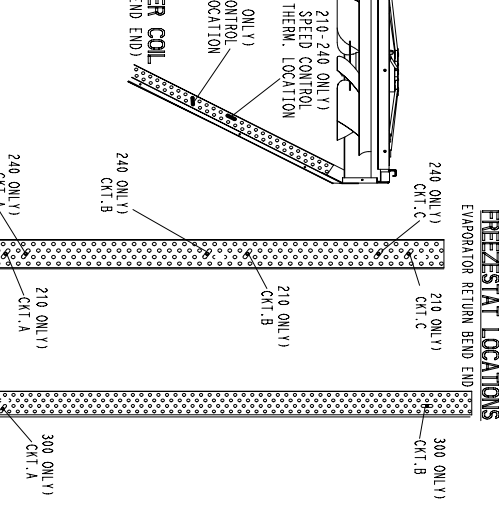
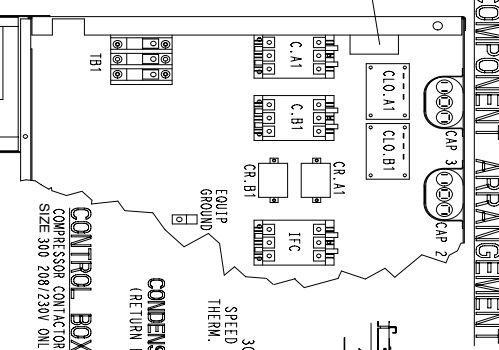
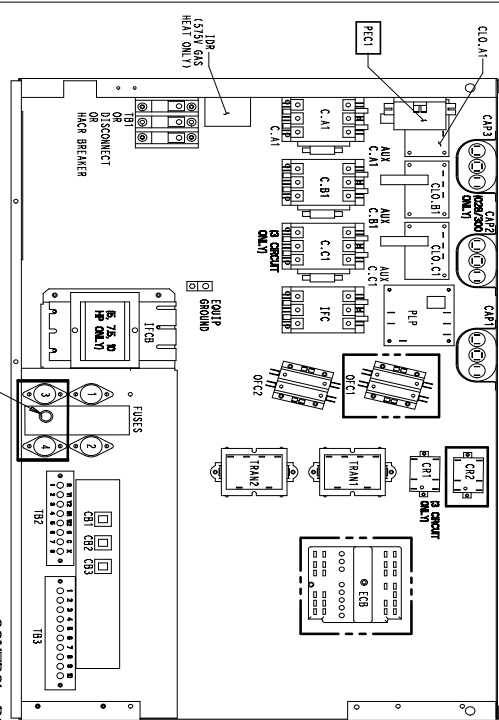
PAH 300 - 460V

POWER SCHEMATIC

PAH 300 - 460V 3 Phase



COMPONENT ARRANGEMENT



FREEZE/STAT LOCATIONS

PLUG LOCATION REFERENCE
PL1 CONTROL BOX
PL3 HEAT SECTION PARTITION
PL4 (INDOOR FAN MOTOR)
PL5 (CONDENSER SECTION)
PL6 (CONDENSER SECTION)
PL7 (ECONOMIZER MOTOR)
PL8 (ECONOMIZER MOTOR)
PL9 (POWER EXHAUST MOTOR)
PL10 (CONDENSER SECTION)
PL11 (CONDENSER SECTION)
PL12 (CONDENSER SECTION)
PL13 (CONDENSER SECTION)
PL14 (CONDENSER SECTION)
PL15 (CONDENSER SECTION)
PL16 (FAN SECTION)
PL17 (ECONOMIZER SECTION)
PL18 (ECONOMIZER SECTION)
PL19 (CONDENSER SECTION)
PL20 (CONDENSER SECTION)
PL21 (CONDENSER SECTION)

