

# Parts List, Wiring Diagrams

**PAE072 - 150 SERIES**

**PACKAGE A/C UNITS**



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| PAE072, PAE102 PARTS LIST |                               |                |              |              |              |              |              |              |
|---------------------------|-------------------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|
| KEY NO.                   | DESCRIPTION                   | FAST PARTS NO. | PAE072H000AA | PAE072L000AA | PAE072S000AA | PAE102H000AA | PAE102L000AA | PAE102S000AA |
| 1                         | CONTACTOR 2P 20A 24V          | 1171160        | *            | 1            | 1            | 3            | 3            | 3            |
| 1                         | CONTACTOR 2P 30A 24V          | 1171554        | 1            | *            | *            | *            | *            | *            |
| 2                         | TRANS 200/230/460>24 75VA     | 1171496        | *            | *            | *            | 1            | 1            | *            |
| 2                         | TRANS 208/230>24 40VA         | 1173691        | 1            | *            | *            | *            | *            | *            |
| 2                         | TRANSFORMER                   | 1175310        | *            | 1            | *            | *            | *            | *            |
| 2                         | TRANSFORMER 460 & 575>24 75VA | 1175311        | *            | *            | 1            | *            | *            | 1            |
| 3                         | CAP RN OV 370V 7.5            | 1171728        | *            | 1            | *            | *            | *            | *            |
| 3                         | CAP RN OV 370V 10 AERO        | 1171807        | 1            | *            | *            | *            | *            | *            |
| 3                         | CAP RN OV 370V 5              | 1172149        | *            | *            | 1            | *            | *            | *            |
| 3                         | CIRCUIT BREAKER               | 1175307        | *            | *            | *            | *            | *            | 1            |
| 3                         | CAP RN OV 370V 10+10          | 1175708        | *            | *            | *            | 1            | 1            | *            |
| 4                         | RELAY 24V DPST 9100-211Q28    | 1171809        | 1            | 1            | 1            | 1            | 1            | *            |
| 4                         | RELAY                         | 1175309        | *            | *            | *            | *            | *            | 1            |
| 5                         | BOARD TERMINAL LO VOLT 8P     | 1171488        | *            | *            | *            | 1            | 1            | 1            |
| 5                         | TERMINAL BOARD                | 1175340        | 1            | 1            | 1            | *            | *            | *            |
| 6                         | BLOWER ASY                    | 1172637        | *            | *            | *            | *            | 1            | 1            |
| 6                         | BLOWER ASY                    | 1175283        | 1            | 1            | 1            | *            | *            | *            |
| 7                         | BEARING                       | 1175424        | 2            | 2            | 2            | *            | *            | *            |
| 7                         | BEARING                       | 1175709        | *            | *            | *            | 2            | 2            | 2            |
| 8                         | WHEEL BD15x15x1 REV CV DBL    | 1171050        | *            | *            | *            | 1            | 1            | 1            |
| 8                         | BLOWER WHEEL                  | 1175318        | 1            | 1            | 1            | *            | *            | *            |
| 9                         | KEY SHAFT 1/4X1/4X1-3/4       | 1171322        | *            | *            | *            | 1            | 1            | 1            |
| 9                         | KEY                           | 1175493        | 1            | 1            | 1            | *            | *            | *            |
| 10                        | MTR BLT 3/208-460 2.5 1725    | 1171337        | *            | *            | *            | 1            | 1            | *            |
| 10                        | MOTOR BLW 230/460 3 1750      | 1175478        | 1            | 1            | 1            | *            | *            | *            |
| 10                        | MOTOR                         | 1175717        | *            | *            | *            | *            | *            | 1            |
| 11                        | PULLEY                        | 1175314        | 1            | 1            | 1            | *            | *            | *            |
| 11                        | PULLEY BLOWER 1 X 7           | 1175315        | *            | *            | *            | 1            | 1            | 1            |
| 12                        | PULLEY MOTOR 5/8 X 4.25       | 1171420        | 1            | 1            | 1            | *            | *            | *            |
| 12                        | PULLEY MOTOR 5/8 X 4.25       | 1175494        | *            | *            | *            | 1            | 1            | 1            |
| 13                        | BELT V A39 41"                | 1170556        | 1            | 1            | 1            | *            | *            | *            |
| 13                        | BELT V A51 51"                | 1175710        | *            | *            | *            | 1            | 1            | 1            |
| 14                        | COIL                          | 1175324        | 1            | 1            | 1            | *            | *            | *            |
| 14                        | COIL ASY                      | 1175398        | *            | *            | *            | 1            | 1            | 1            |
| 15                        | COIL                          | 1175322        | 1            | 1            | 1            | *            | *            | *            |
| 15                        | COIL ASY                      | 1175393        | *            | *            | *            | 1            | 1            | 1            |
| 16                        | RACEWAY                       | 1171428        | 1            | 1            | 1            | 2            | 2            | 2            |
| 17                        | FILTER AIR 16X20X2 DISP       | 1171230        | *            | *            | *            | 4            | 4            | 4            |
| 17                        | FILTER AIR                    | 1175312        | 2            | 2            | 2            | *            | *            | *            |
| 18                        | MTR CND 1/460 1/4             | 1171334        | *            | 1            | *            | *            | 2            | *            |
| 18                        | MTR CND 1/230 1/4             | 1171335        | 1            | *            | *            | 2            | *            | *            |
| 18                        | MOTOR CND 575 1 1100          | 1175303        | *            | *            | 1            | *            | *            | 2            |
| 19                        | FAN C 22" 3B 1/2" 24 INT      | 1171220        | 1            | 1            | 1            | 2            | 2            | 2            |
| 20                        | SWITCH LMT 200-M              | 1171483        | 1            | 1            | 1            | 1            | 1            | 1            |
| 21                        | CMPR-SRY682AC                 | 1175320        | 1            | *            | *            | *            | *            | *            |
| 21                        | CMPR-SRH682AC                 | 1175325        | *            | 1            | *            | *            | *            | *            |
| 21                        | COMPRESSOR (SRJ682AE)         | 1175326        | *            | *            | 1            | *            | *            | *            |
| 21                        | COMP SRY482AC                 | 1175692        | *            | *            | *            | 1            | *            | *            |
| 21                        | COMP SRH482AC                 | 1175714        | *            | *            | *            | *            | 1            | *            |

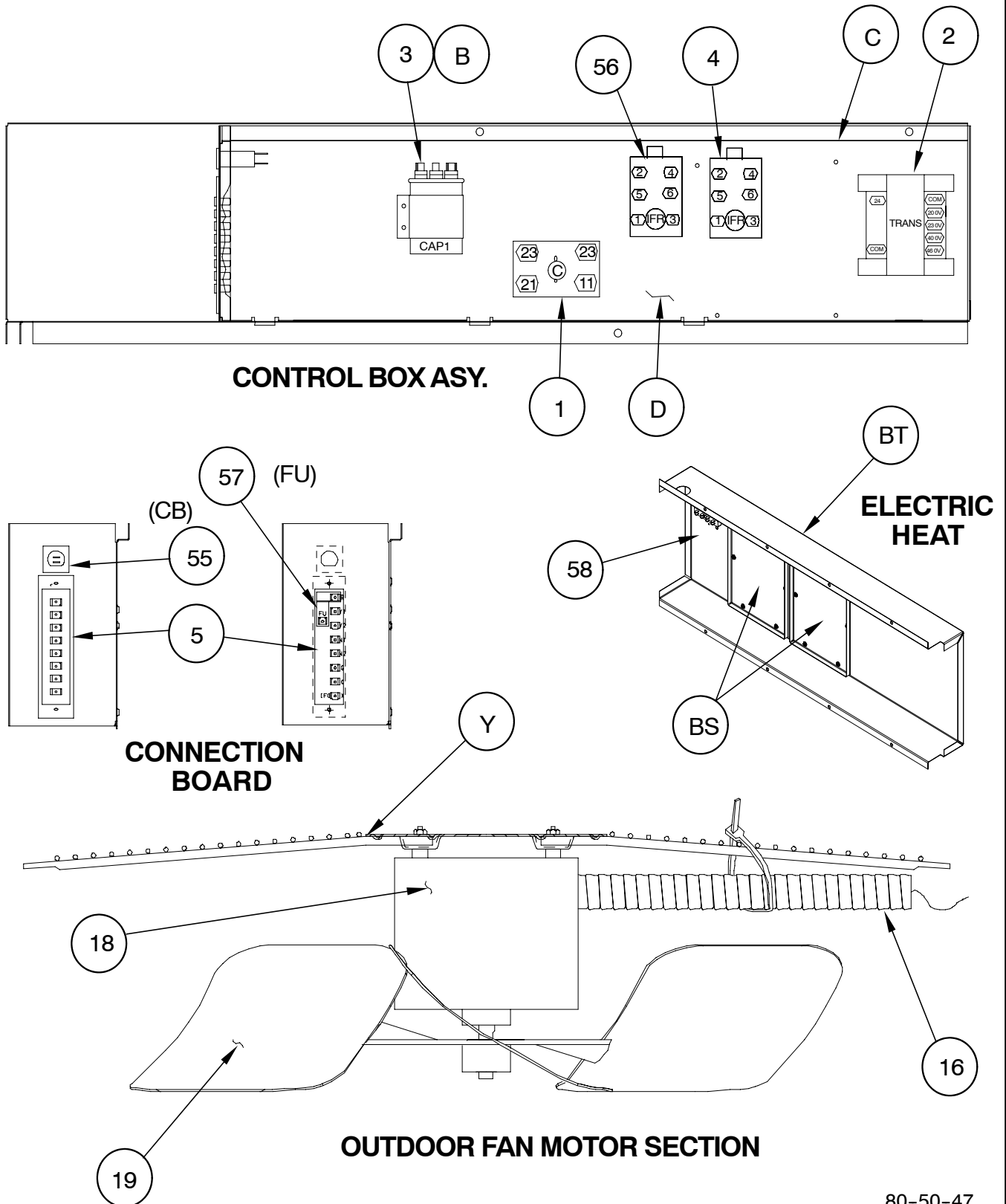
| PAE072, PAE102 PARTS LIST (continued) |                             |                |              |              |              |              |              |              |
|---------------------------------------|-----------------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|
| KEY NO.                               | DESCRIPTION                 | FAST PARTS NO. | PAE072H000AA | PAE072L000AA | PAE072S000AA | PAE102H000AA | PAE102L000AA | PAE102S000AA |
| 21                                    | COMP SRJ482AC               | 1175718        | *            | *            | *            | *            | *            | 1            |
| 21A                                   | COMP SRJ552HE               | 1175402        | *            | *            | *            | *            | *            | 1            |
| 21A                                   | COMP SRH552HE               | 1175404        | *            | *            | *            | *            | 1            | *            |
| 21A                                   | COMP SRY552HE               | 1175410        | *            | *            | *            | 1            | *            | *            |
| 22                                    | FREEZE STAT O30 C45         | 1171252        | 1            | 1            | 1            | 1            | 1            | 1            |
| 47                                    | DRIER 08 CI 3/8" IN & OUT   | 1171555        | 1            | 1            | 1            | 2            | 2            | 2            |
| 52                                    | SWITCH PRESS HI O426 C320   | 1171805        | 1            | 1            | 1            | 2            | 2            | 2            |
| 53                                    | PRESSURE SWITCH             | 1175308        | *            | *            | *            | 2            | 2            | 2            |
| 53                                    | PRESSURE SWITCH             | 1175321        | 1            | 1            | 1            | *            | *            | *            |
| 55                                    | BREAKER 3.2A 1 POLE 250V    | 1171114        | *            | *            | *            | 1            | 1            | *            |
| 55                                    | CIRCUIT BREAKER             | 1175307        | *            | *            | 1            | *            | *            | *            |
| 55                                    | CAPACITOR                   | 1175716        | *            | *            | *            | *            | *            | 1            |
| 56                                    | RELAY 24V DPST 9400-03Q228  | 1171436        | 1            | 1            | 1            | 1            | 1            | 1            |
| 57                                    | FUSE                        | 1171735        | 1            | 1            | *            | *            | *            | *            |
| 58                                    | TERMINAL BLOCK 2P 25A 125V  | 1171487        | 1            | 1            | 1            | *            | *            | *            |
| 58                                    | TERMINAL BLOCK 2P 25A 125V  | 1175339        | *            | *            | *            | 1            | 1            | 1            |
| 59                                    | SHAFT                       | 1175422        | 1            | 1            | 1            | *            | *            | *            |
| A                                     | SCROLL FAN                  | 1171445        | *            | *            | *            | 1            | 1            | 1            |
| A                                     | SCROLL                      | 1175260        | 1            | 1            | 1            | *            | *            | *            |
| AB                                    | PANEL INDOOR END            | 1171375        | *            | *            | *            | 1            | 1            | 1            |
| AB                                    | PANEL ASY                   | 1175226        | 1            | 1            | 1            | *            | *            | *            |
| AC                                    | COVER RETURN AIR            | 1171181        | *            | *            | *            | 1            | 1            | 1            |
| AC                                    | COVER ASY                   | 1175227        | 1            | 1            | 1            | *            | *            | *            |
| AD                                    | COVER SUPPLY AIR            | 1171182        | *            | *            | *            | 1            | 1            | 1            |
| AD                                    | COVER ASY                   | 1175228        | 1            | 1            | 1            | *            | *            | *            |
| AE                                    | PANEL                       | 1175293        | 1            | 1            | 1            | *            | *            | *            |
| AF                                    | POST CENTER COMP ACCESS     | 1171110        | *            | *            | *            | 1            | 1            | 1            |
| AF                                    | POST                        | 1175331        | 1            | 1            | 1            | *            | *            | *            |
| AG                                    | PARTITION                   | 1175292        | 1            | 1            | 1            | *            | *            | *            |
| AH                                    | BRACKET                     | 1175262        | 1            | 1            | 1            | *            | *            | *            |
| AH                                    | BRACKET                     | 1175400        | *            | *            | *            | 1            | 1            | 1            |
| AJ                                    | PANEL OUTDOOR ACCESS        | 1171003        | *            | *            | *            | 1            | 1            | 1            |
| AJ                                    | PANEL OUTDOOR ACCESS        | 1171846        | 1            | 1            | 1            | *            | *            | *            |
| AK                                    | GROMMET COMPRESSOR 1.25"DIA | 1171269        | *            | *            | *            | 8            | 8            | 8            |
| AK                                    | GROMMET COMPRESSOR 1.62"DIA | 1171270        | 4            | 4            | 4            | *            | *            | *            |
| AL                                    | PANEL FILTER ACCESS         | 1171386        | *            | *            | *            | 1            | 1            | 1            |
| AL                                    | PANEL                       | 1175241        | 1            | 1            | 1            | *            | *            | *            |
| AM                                    | PANEL FILTER ACCESS LOWER   | 1171382        | *            | *            | *            | 1            | 1            | 1            |
| AM                                    | PANEL                       | 1175242        | 1            | 1            | 1            | *            | *            | *            |
| AQ                                    | BRACKET                     | 1175713        | *            | *            | *            | 1            | 1            | 1            |
| B                                     | CLAMP CAPACITOR OVAL        | 1171552        | 1            | 1            | 1            | *            | *            | *            |
| BF                                    | PANEL CONTROL BOX ACCESS    | 1171362        | *            | *            | *            | 1            | 1            | 1            |
| BF                                    | PANEL                       | 1175341        | 1            | 1            | 1            | *            | *            | *            |
| BK                                    | POST CENTER FILTER ACCESS   | 1171406        | *            | *            | *            | 1            | 1            | 1            |
| BK                                    | POST. CENTER                | 1175254        | 1            | 1            | 1            | *            | *            | *            |
| BL                                    | FRAME FILTER ASY            | 1171234        | *            | *            | *            | 1            | 1            | 1            |
| BL                                    | FRAME ASY                   | 1175238        | 1            | 1            | 1            | *            | *            | *            |
| BM                                    | BASE PAN OUTDOOR            | 1171024        | *            | *            | *            | 1            | 1            | 1            |
| BM                                    | CLAMP                       | 1171537        | *            | *            | *            | 1            | 1            | 1            |

| PAE072, PAE102 PARTS LIST (continued) |                           |                |              |              |              |              |              |              |
|---------------------------------------|---------------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|
| KEY NO.                               | DESCRIPTION               | FAST PARTS NO. | PAE072H000AA | PAE072L000AA | PAE072S000AA | PAE102H000AA | PAE102L000AA | PAE102S000AA |
| BP                                    | PLATE ASY                 | 1175664        | 1            | 1            | 1            | 1            | 1            | 1            |
| BQ                                    | BRACKET                   | 1175335        | 1            | 1            | 1            | *            | *            | *            |
| BR                                    | PANEL                     | 1175337        | 1            | 1            | 1            | *            | *            | *            |
| BS                                    | PANEL                     | 1171372        | *            | *            | *            | 2            | 2            | 2            |
| BS                                    | PLATE                     | 1175332        | 2            | 2            | 2            | *            | *            | *            |
| BT                                    | HTR BRACKET               | 1171304        | *            | *            | *            | 1            | 1            | 1            |
| BT                                    | PANEL                     | 1175333        | 1            | 1            | 1            | *            | *            | *            |
| BU                                    | PANEL                     | 1175327        | 1            | 1            | 1            | *            | *            | *            |
| BV                                    | BASE PAN ASY              | 1175328        | 1            | 1            | 1            | *            | *            | *            |
| C                                     | CONTROL BOX               | 1171059        | *            | *            | *            | 1            | 1            | 1            |
| C                                     | CONTROL BOX               | 1175257        | 1            | 1            | 1            | *            | *            | *            |
| D                                     | PANEL                     | 1171373        | 1            | 1            | 1            | 1            | 1            | 1            |
| E                                     | BRACKET                   | 1175483        | 1            | 1            | 1            | *            | *            | *            |
| E                                     | BRACKET                   | 1175711        | *            | *            | *            | 1            | 1            | 1            |
| F                                     | BRACKET ASY               | 1175423        | 2            | 2            | 2            | *            | *            | *            |
| F                                     | BRACKET ASY               | 1175712        | *            | *            | *            | 2            | 2            | 2            |
| G                                     | PANEL INDOOR FAN ACCESS   | 1171004        | *            | *            | *            | 1            | 1            | 1            |
| G                                     | PANEL ASY                 | 1175229        | 1            | 1            | 1            | *            | *            | *            |
| H                                     | POST CORNER               | 1171175        | *            | *            | *            | 2            | 2            | 2            |
| H                                     | POST ASY                  | 1175230        | 2            | 2            | 2            | *            | *            | *            |
| J                                     | POST CORNER               | 1171173        | *            | *            | *            | 1            | 1            | 1            |
| J                                     | POST                      | 1175255        | 1            | 1            | 1            | *            | *            | *            |
| K                                     | PAN CONDENSATE            | 1171359        | *            | *            | *            | 1            | 1            | 1            |
| K                                     | PAN ASY                   | 1175243        | 1            | 1            | 1            | *            | *            | *            |
| L                                     | POST CORNER               | 1171177        | *            | *            | *            | 1            | 1            | 1            |
| L                                     | POST                      | 1175256        | 1            | 1            | 1            | *            | *            | *            |
| M                                     | DECK FAN                  | 1171214        | *            | *            | *            | 1            | 1            | 1            |
| M                                     | DECK                      | 1175259        | 1            | 1            | 1            | *            | *            | *            |
| N                                     | BRACKET COIL (HEADER END) | 1171070        | 1            | 1            | 1            | 1            | 1            | 1            |
| P                                     | PLATE COMP MOUNTING       | 1171393        | *            | *            | *            | 1            | 1            | 1            |
| P                                     | PLATE                     | 1175270        | 1            | 1            | 1            | *            | *            | *            |
| Q                                     | COVER ASY TOP             | 1171365        | *            | *            | *            | 1            | 1            | 1            |
| Q                                     | COVER ASY                 | 1175280        | 1            | 1            | 1            | *            | *            | *            |
| R                                     | INDOOR BASE PAN           | 1171307        | *            | *            | *            | 1            | 1            | 1            |
| R                                     | BASE PAN ASY              | 1175231        | 1            | 1            | 1            | *            | *            | *            |
| S                                     | BRACKET BASE (CORNER)     | 1171071        | 2            | 2            | 2            | 2            | 2            | 2            |
| T                                     | PANEL END SKIRT           | 1171206        | *            | *            | *            | 1            | 1            | 1            |
| T                                     | RAIL                      | 1175263        | 1            | 1            | 1            | *            | *            | *            |
| U                                     | RAIL BASE                 | 1171031        | *            | *            | *            | 1            | 1            | 1            |
| U                                     | RAIL                      | 1175265        | 1            | 1            | 1            | *            | *            | *            |
| V                                     | RAIL BASE                 | 1171033        | *            | *            | *            | 1            | 1            | 1            |
| V                                     | RAIL                      | 1175266        | 1            | 1            | 1            | *            | *            | *            |
| W                                     | RAIL                      | 1175279        | 1            | 1            | 1            | *            | *            | *            |
| W                                     | BASE RAIL (ICP)           | 1175313        | *            | *            | *            | 1            | 1            | 1            |
| X                                     | PLATE BLOCKOFF            | 1171040        | *            | *            | *            | 1            | 1            | 1            |
| X                                     | PLATE                     | 1175294        | 1            | 1            | 1            | *            | *            | *            |
| Y                                     | GRILLE OUTLET             | 1171267        | 1            | 1            | 1            | 2            | 2            | 2            |
| Z                                     | COVER CONTROL             | 1171169        | 1            | 1            | 1            | 1            | 1            | 1            |
| PARTS NOT SHOWN                       |                           |                |              |              |              |              |              |              |

| PAE072, PAE102 PARTS LIST (continued) |                          |                |              |              |              |              |              |              |
|---------------------------------------|--------------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|
| KEY NO.                               | DESCRIPTION              | FAST PARTS NO. | PAE072H000AA | PAE072L000AA | PAE072S000AA | PAE102H000AA | PAE102L000AA | PAE102S000AA |
| 11                                    | PLUG ASSEMBLY ECONOMIZER | 1171405        | 1            | 1            | 1            | 1            | 1            | 1            |
| 12                                    | WIRE HARNESS ASY         | 1173199        | *            | *            | *            | 1            | 1            | 1            |
| 13                                    | HARNESS ASY              | 1175245        | *            | 1            | *            | *            | *            | *            |
| 14                                    | HARNESS ASY (COM WIRING) | 1175281        | 1            | 1            | 1            | *            | *            | *            |
| 15                                    | HARNESS ASY (PL6)        | 1175284        | 1            | 1            | 1            | *            | *            | *            |
| 16                                    | HARNESS ASY (PAC)        | 1175329        | 1            | 1            | 1            | *            | *            | *            |
| 17                                    | HARNESS ASY              | 1175391        | *            | *            | *            | 1            | 1            | 1            |
| 18                                    | HARNESS ASY              | 1175407        | *            | *            | *            | 1            | 1            | 1            |
| 19                                    | HARNESS ASY              | 1175408        | *            | *            | *            | 1            | 1            | 1            |
| 20                                    | HARNESS ASY (IFM)        | 1175663        | 1            | *            | *            | *            | *            | *            |
| 21                                    | HARNESS ASY              | 1175707        | *            | *            | *            | 1            | 1            | 1            |

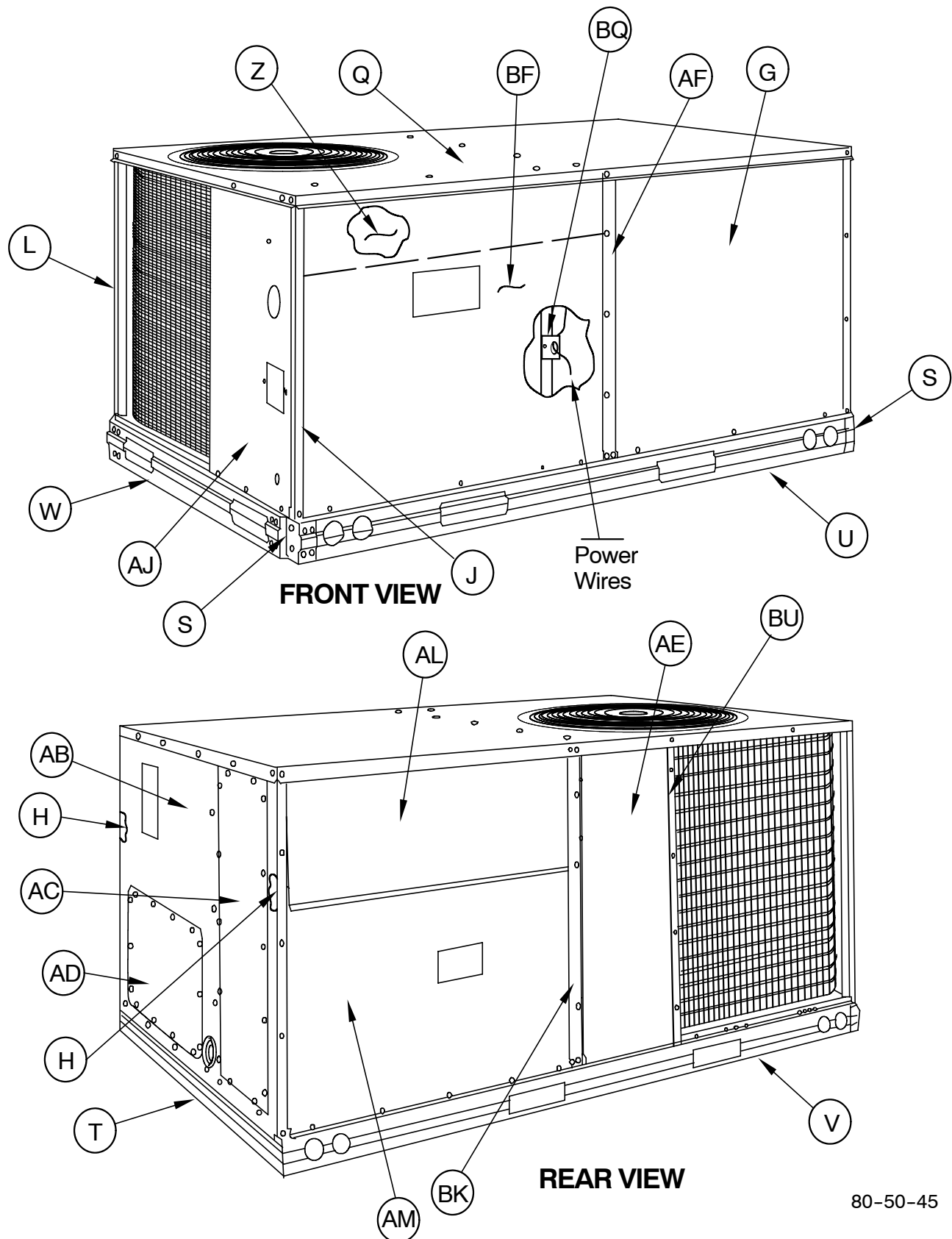
# PAE072

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



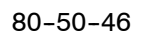
80-50-47

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



80-50-45

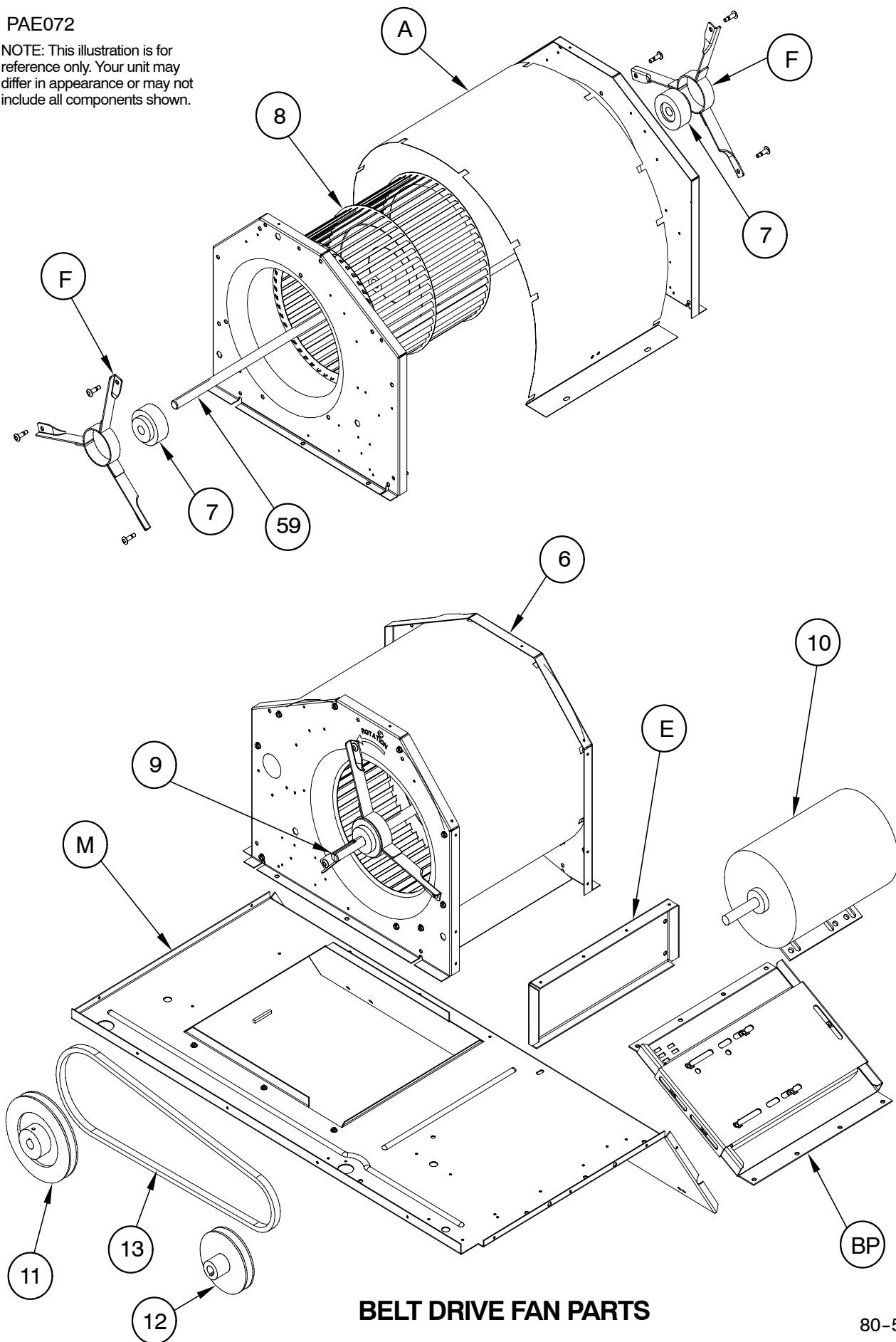
NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown.





PAE072

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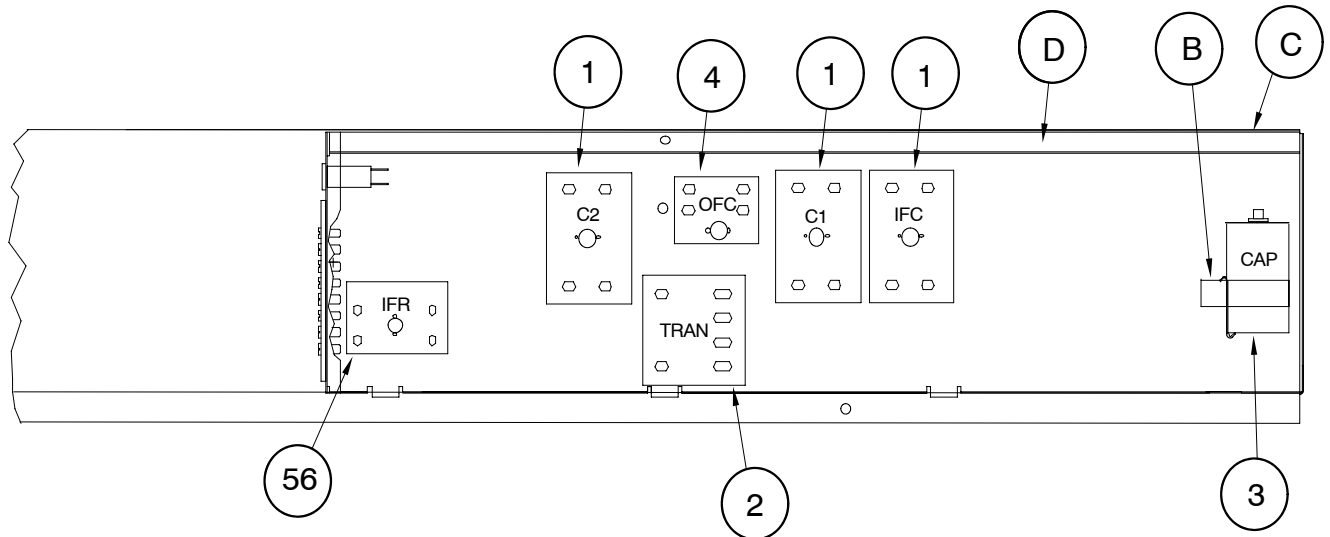


## BELT DRIVE FAN PARTS

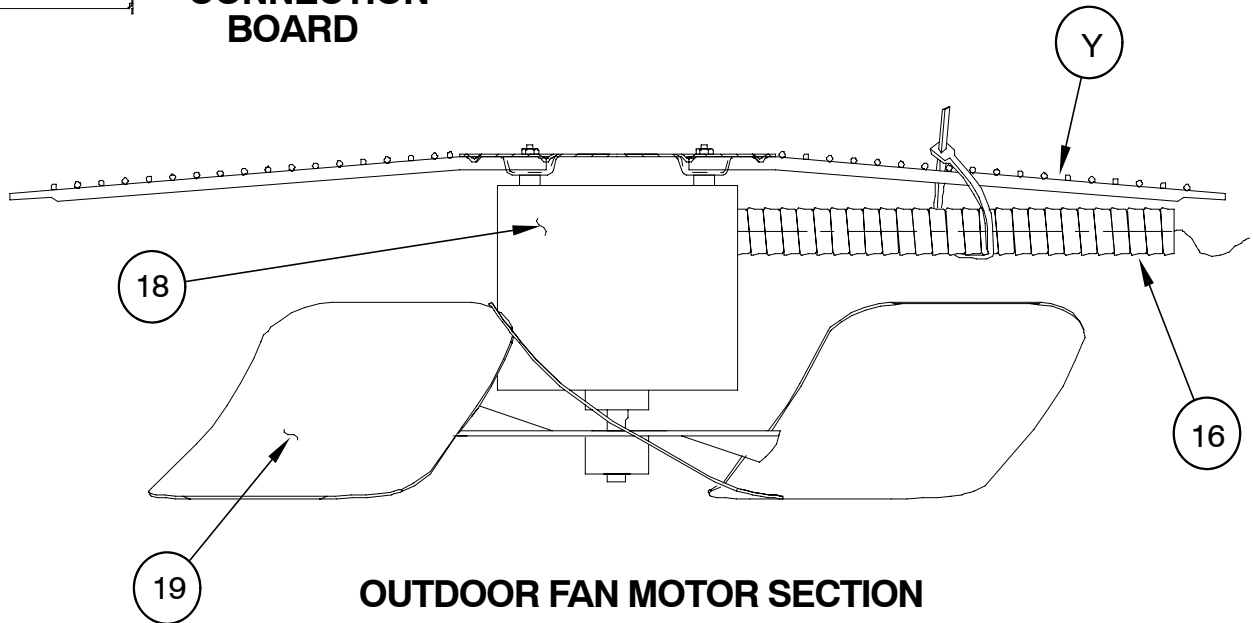
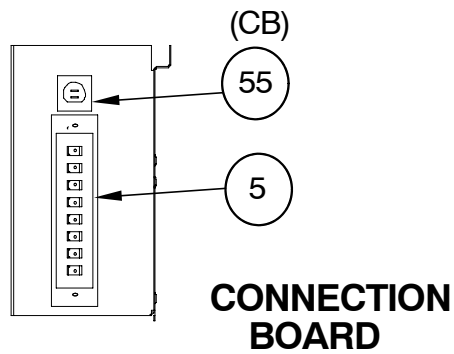
80-51-47

# PAE102

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



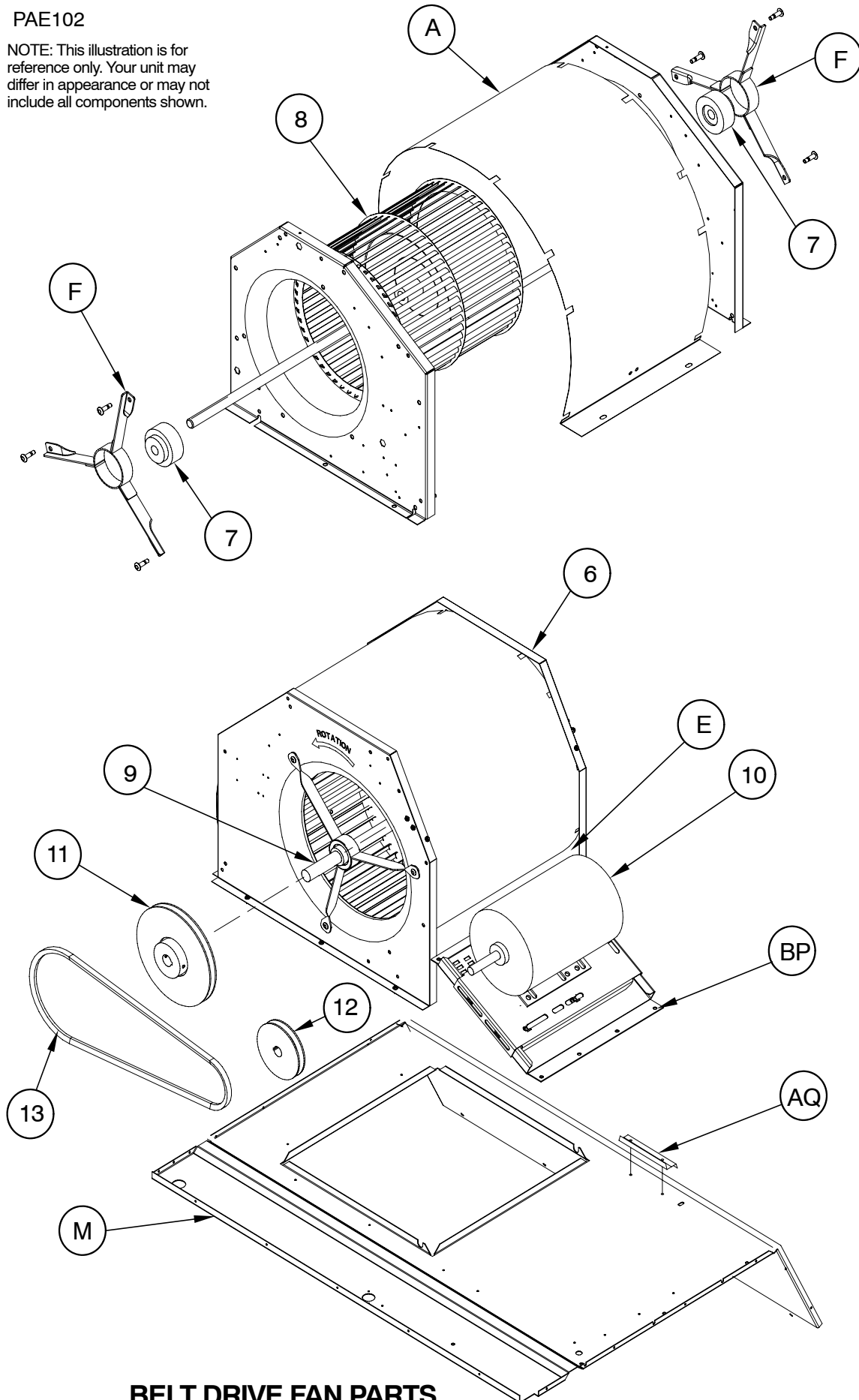
## CONTROL BOX



## OUTDOOR FAN MOTOR SECTION

# PAE102

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

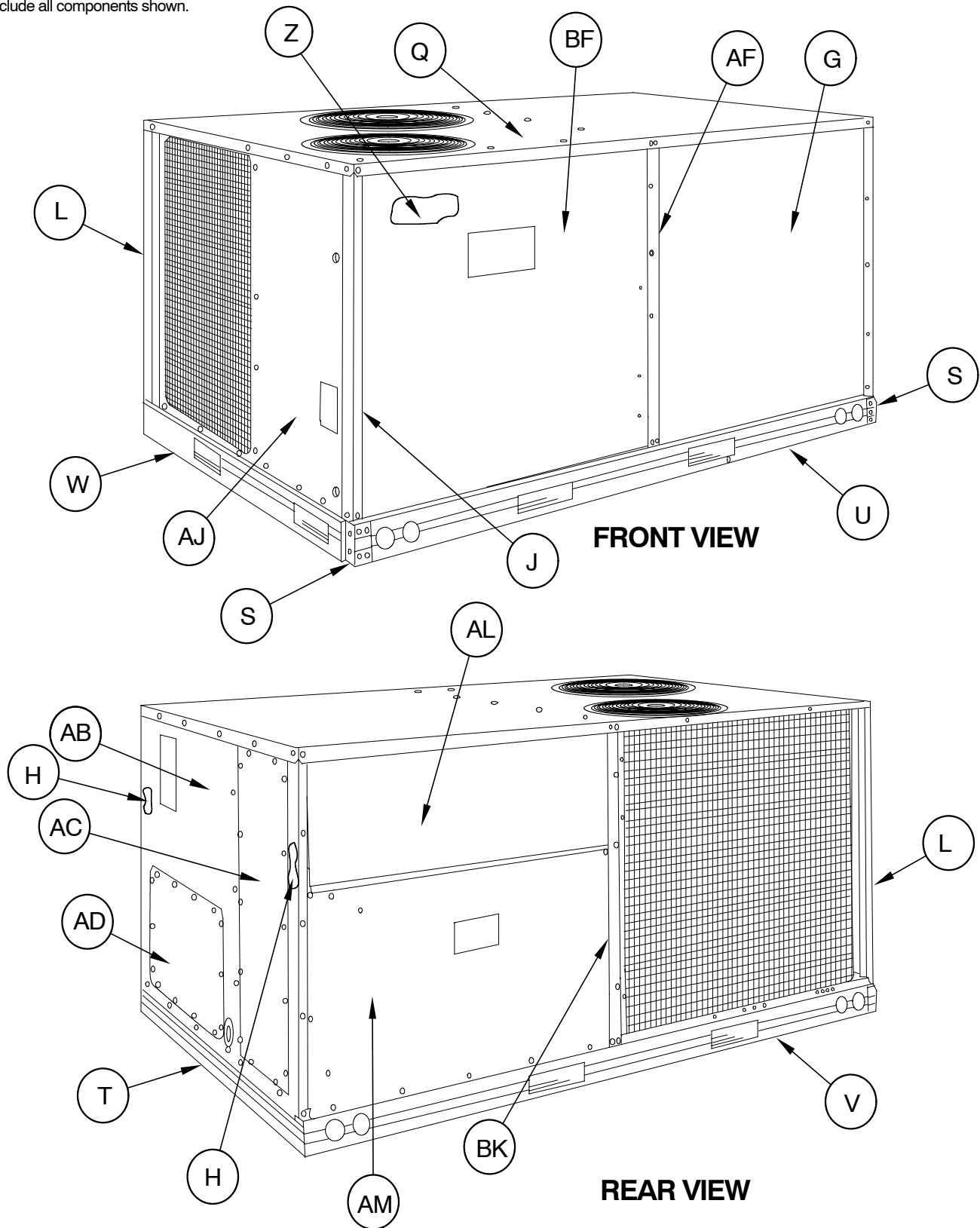


**BELT DRIVE FAN PARTS**

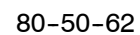
80-50-59

# PAE102

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



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| PAE090 PARTS LIST |                              |                |              |              |              |  |
|-------------------|------------------------------|----------------|--------------|--------------|--------------|--|
| KEY NO.           | DESCRIPTION                  | FAST PARTS NO. | PAE090H000AA | PAE090L000AA | PAE090S000AA |  |
| 1                 | PANEL INDOOR END             | 1171375        | 1            | 1            | 1            |  |
| 2                 | COVER SUPPLY AIR             | 1171182        | 1            | 1            | 1            |  |
| 3                 | COVER RETURN AIR             | 1171181        | 1            | 1            | 1            |  |
| 4                 | PANEL INDOOR FAN ACCESS      | 1171004        | 1            | 1            | 1            |  |
| 5                 | POST CORNER                  | 1171175        | 2            | 2            | 2            |  |
| 6                 | POST CENTER FILTER ACCESS    | 1171406        | 1            | 1            | 1            |  |
| 7                 | COIL COND                    | 1171547        | 1            | 1            | 1            |  |
| 8                 | POST CORNER                  | 1171173        | 1            | 1            | 1            |  |
| 9                 | POST CORNER                  | 1171177        | 1            | 1            | 1            |  |
| 10                | POST CENTER COMP ACCESS      | 1171110        | 1            | 1            | 1            |  |
| 11                | COVER ASY TOP                | 1171365        | 1            | 1            | 1            |  |
| 12                | PANEL OUTDOOR ACCESS         | 1171003        | 1            | 1            | 1            |  |
| 13                | PANEL CONTROL BOX ACCESS     | 1171362        | 1            | 1            | 1            |  |
| 15                | RAIL BASE                    | 1171031        | 1            | 1            | 1            |  |
| 16                | PANEL END SKIRT              | 1171206        | 1            | 1            | 1            |  |
| 17                | SEAL DRAIN LINE ROUND        | 1171447        | 1            | 1            | 1            |  |
| 17A               | SEAL DRAIN LINE SQUARE       | 1171202        | 1            | 1            | 1            |  |
| 18                | RAIL BASE                    | 1171033        | 1            | 1            | 1            |  |
| 19                | PANEL FILTER ACCESS          | 1171386        | 1            | 1            | 1            |  |
| 20                | PANEL FILTER ACCESS LOWER    | 1171382        | 1            | 1            | 1            |  |
| 23                | RAIL BASE                    | 1171032        | 1            | 1            | 1            |  |
| 24                | BRACKET BASE (CORNER)        | 1171071        | 2            | 2            | 2            |  |
| 25                | PAINT DARK GREY 16OZ AEROSOL | 1171357        | 1            | 1            | 1            |  |
| 32                | PAN CONDENSATE               | 1171359        | 1            | 1            | 1            |  |
| 33                | BRACKET COIL (HEADER END)    | 1171070        | 1            | 1            | 1            |  |
| 35                | PANEL                        | 1171372        | 2            | 2            | 2            |  |
| 37                | COMP CR42K6-TFD-960          | 1171141        | *            | 2            | *            |  |
| 37                | COMP CR42K6-TF5-960          | 1171142        | 2            | *            | *            |  |
| 37                | COMP CR42K6-TFE-960          | 1171146        | *            | *            | 2            |  |
| 38                | GROMMET COMPRESSOR 1.25"DIA  | 1171269        | 8            | 8            | 8            |  |
| 39                | BOLT HEX HEAD COMPRESSOR MTG | 1171056        | 8            | 8            | 8            |  |
| 40                | CONTROL BOX ASY COMPLETE     | 1171137        | 1            | 1            | *            |  |
| 44                | CONTROL BOX                  | 1171059        | 1            | 1            | 1            |  |
| 45                | PANEL                        | 1171373        | 1            | 1            | 1            |  |
| 46                | CLAMP                        | 1171537        | 1            | 1            | 1            |  |
| 47                | CAP RN OV 370V 10+10         | 1171105        | 1            | 1            | 1            |  |
| 48                | BREAKER 3.2A 1 POLE 250V     | 1171114        | 1            | 1            | 1            |  |
| 49                | CONTACTOR 2P 30A 24V         | 1171163        | 1            | 1            | 1            |  |
| 50                | RELAY 24V DPST 9400-03Q228   | 1171436        | 1            | 1            | 1            |  |
| 51                | TRANS 200/230/460>24 75VA    | 1171496        | 1            | 1            | 1            |  |
| 52                | BOARD TERMINAL LO VOLT 8P    | 1171488        | 1            | 1            | 1            |  |
| 54                | CONTACTOR 2P 20A 24V         | 1171160        | 2            | 2            | 2            |  |
| 55                | RELAY 24V DPDT R8222D1121    | 1171435        | 1            | 1            | 1            |  |
| 56                | GRILLE OUTLET                | 1171267        | 2            | 2            | 2            |  |
| 57                | FAN C 22" 3B 1/2" 24 INT     | 1171220        | 2            | 2            | 2            |  |
| 58                | MTR CND 1/230 1/4            | 1171335        | 2            | *            | *            |  |
| 58                | MTR CND 1/460 1/4            | 1171551        | *            | 2            | 2            |  |
| 59                | RACEWAY                      | 1171428        | 2            | 2            | 2            |  |
| 60                | SWITCH LMT 200-M             | 1171483        | 1            | 1            | 1            |  |
| 61                | FREEZE STAT O30 C45          | 1171252        | 1            | 1            | 1            |  |

**PAE090 PARTS LIST (continued)**

| KEY NO.         | DESCRIPTION                  | FAST PARTS NO. | PAE090H000AA | PAE090L000AA | PAE090S000AA |
|-----------------|------------------------------|----------------|--------------|--------------|--------------|
| 64              | TERMINAL BLOCK 2P 25A 125V   | 1171487        | 1            | 1            | 1            |
| 65              | COIL EVAP                    | 1171546        | 1            | 1            | 1            |
| 66              | WIRE HARNESS ASY PL6         | 1171526        | 1            | 1            | 1            |
| 67              | BRACKET (575V)               | 1171069        | *            | *            | 1            |
| 68              | TRANS 240/480>120/240 .75KVA | 1171497        | *            | *            | 2            |
| 70              | MTR BLT 3/208-460 2.5 1725   | 1171337        | 1            | 1            | 1            |
| 71              | PULLEY 1 X 6.93 AM74         | 1171422        | 1            | 1            | 1            |
| 72              | PULLEY 5/8 X 4.00            | 1171426        | 1            | 1            | 1            |
| 73              | BELT V A48 50"               | 1171516        | 1            | 1            | 1            |
| 74              | DECK FAN                     | 1171214        | 1            | 1            | 1            |
| 76              | BRACKET ASY                  | 1171062        | 2            | 2            | 2            |
| 77              | PLATE FAN                    | 1171395        | 1            | 1            | 1            |
| 78              | PLATE FAN                    | 1171396        | 1            | 1            | 1            |
| 79              | SCROLL FAN                   | 1171445        | 1            | 1            | 1            |
| 80              | SHAFT BLR                    | 1171452        | 1            | 1            | 1            |
| 81              | PLATE MOTOR                  | 1171388        | 1            | 1            | 1            |
| 82              | BRACKET ASY MOTOR MOUNT      | 1171345        | 1            | 1            | 1            |
| 83              | PLATE                        | 1171391        | 1            | 1            | 1            |
| 84              | BRACKET MOTOR                | 1171077        | 1            | 1            | 1            |
| 85              | BOLT CARRIAGE 5/16-18 X 10   | 1171057        | 1            | 1            | 1            |
| 87              | BEARING BALL 1"              | 1171037        | 2            | 2            | 2            |
| 88              | WHEEL BD15x15x1 REV CV DBL   | 1171050        | 1            | 1            | 1            |
| 91              | FRAME FILTER ASY             | 1171234        | 1            | 1            | 1            |
| 92              | RETAINER FILTER              | 1171239        | 1            | 1            | 1            |
| 93              | RETAINER FILTER              | 1171238        | 1            | 1            | 1            |
| 94              | RETAINER FILTER              | 1171240        | 2            | 2            | 2            |
| 95              | FILTER AIR 16X20X2 DISP      | 1171230        | 4            | 4            | 4            |
| PARTS NOT SHOWN |                              |                |              |              |              |
| II              | PLATE BLOCKOFF               | 1171040        | 1            | 1            | 1            |
| II              | BLOWER ASY                   | 1171043        | 1            | 1            | 1            |
| II              | CAP FLARE                    | 1171101        | 4            | 4            | 4            |
| II              | COVER CONTROL                | 1171169        | 1            | 1            | 1            |
| II              | PANEL FILTER ACCESS          | 1171200        | 1            | 1            | 1            |
| II              | SWITCH PRESS HI O426 C320    | 1171303        | 2            | 2            | 2            |
| II              | HTR BRACKET                  | 1171304        | 1            | 1            | 1            |
| II              | KEY SHAFT 1/4X1/4X1-3/4      | 1171322        | 1            | 1            | 1            |
| II              | PANEL                        | 1171384        | 1            | 1            | 1            |
| II              | PLUG                         | 1171401        | 1            | 1            | 1            |
| II              | PLUG ASSEMBLY ECONOMIZER     | 1171405        | 1            | 1            | 1            |
| II              | SWITCH PRESS LO O07 C22      | 1171412        | 2            | 2            | 2            |
| II              | RACEWAY-24VT                 | 1171429        | 1            | 1            | 1            |
| II              | SUPPORT TRACK                | 1171472        | 1            | 1            | 1            |
| II              | FITTING ACCESS               | 1171507        | 2            | 2            | 2            |
| II              | CORE VALVE                   | 1171508        | 8            | 8            | 8            |
| II              | BELT DRIVE FAN PARTS (STD)   | 1171531        | 1            | 1            | 1            |
| II              | HEADER ASY UPPER             | 1171540        | 1            | 1            | 1            |
| II              | HEADER ASY LOWER             | 1171545        | 1            | 1            | 1            |
| II              | DRIER 08 CI 3/8" IN & OUT    | 1171555        | 2            | 2            | 2            |
| II              | WIRE HARNESS ASY             | 1173199        | 1            | 1            | 1            |
| II              | CONV KIT NAT>LP              | AXB345LPA      | 1            | 1            | 1            |

| PAE120, PAE150 PARTS LIST |                               |                |              |              |              |              |              |              |
|---------------------------|-------------------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|
| KEY NO.                   | DESCRIPTION                   | FAST PARTS NO. | PAE120H000AA | PAE120L000AA | PAE120S000AA | PAE150H000AA | PAE150L000AA | PAE150S000AA |
| 1                         | PANEL INDOOR END              | 1171308        | 1            | 1            | *            | 1            | 1            | *            |
| 1                         | PANEL INDOOR FAN ACCESS       | 1171364        | *            | *            | 1            | *            | *            | 1            |
| 2                         | COVER SUPPLY AIR              | 1171182        | 1            | 1            | 1            | 1            | 1            | 1            |
| 3                         | COVER RETURN AIR              | 1171180        | 1            | 1            | 1            | 1            | 1            | 1            |
| 4                         | PANEL INDOOR FAN ACCESS       | 1171364        | 1            | 1            | *            | 1            | 1            | *            |
| 4                         | PANEL OUTDOOR ACCESS          | 1171368        | *            | *            | 1            | *            | *            | 1            |
| 5                         | POST CORNER                   | 1171309        | 2            | 2            | 2            | 2            | 2            | 2            |
| 6                         | POST CENTER FILTER ACCESS     | 1171109        | 1            | 1            | 1            | 1            | 1            | 1            |
| 7                         | COIL COND                     | 1171129        | *            | *            | *            | 1            | 1            | 1            |
| 7                         | COIL COND                     | 1171538        | *            | *            | *            | 1            | 1            | 1            |
| 7                         | COIL COND                     | 1171541        | 1            | 1            | 1            | *            | *            | *            |
| 8                         | POST CORNER                   | 1171172        | 1            | 1            | 1            | 1            | 1            | 1            |
| 9                         | POST CORNER                   | 1171174        | 1            | 1            | 1            | 1            | 1            | 1            |
| 10                        | POST CENTER COMP ACCESS       | 1171407        | 1            | 1            | 1            | 1            | 1            | 1            |
| 11                        | COVER ASY TOP                 | 1171365        | 1            | 1            | 1            | 1            | 1            | 1            |
| 12                        | PANEL OUTDOOR ACCESS          | 1171368        | 1            | 1            | *            | 1            | 1            | *            |
| 12                        | PANEL                         | 1171387        | *            | *            | 1            | *            | *            | 1            |
| 12                        | PULLEY MOTOR 7/8 X 4.25 1VL44 | 1171424        | *            | *            | *            | 1            | *            | *            |
| 13                        | PANEL CONTROL BOX ACCESS      | 1171363        | 1            | 1            | 1            | 1            | 1            | 1            |
| 15                        | RAIL BASE                     | 1171031        | 1            | 1            | 1            | 1            | 1            | 1            |
| 16                        | PANEL END SKIRT               | 1171206        | 1            | 1            | 1            | 1            | 1            | 1            |
| 17                        | SEAL DRAIN LINE ROUND         | 1171447        | 1            | 1            | 1            | 1            | 1            | 1            |
| 17A                       | SEAL DRAIN LINE SQUARE        | 1171202        | 1            | 1            | 1            | 1            | 1            | 1            |
| 18                        | RAIL BASE                     | 1171033        | 1            | 1            | 1            | 1            | 1            | 1            |
| 19                        | PANEL FILTER ACCESS LOWER     | 1171382        | *            | *            | 1            | *            | *            | *            |
| 19                        | PANEL FILTER ACCESS           | 1171385        | 1            | *            | *            | 1            | 1            | 1            |
| 19                        | PANEL FILTER ACCESS           | 1171790        | *            | 1            | *            | *            | *            | *            |
| 20                        | PANEL INDOOR END              | 1171308        | *            | *            | 1            | *            | *            | 1            |
| 20                        | PANEL FILTER ACCESS LOWER     | 1171382        | 1            | 1            | *            | 1            | 1            | *            |
| 23                        | RAIL BASE                     | 1171032        | 1            | 1            | 1            | 1            | 1            | 1            |
| 24                        | BRACKET BASE (CORNER)         | 1171071        | 2            | 2            | 2            | 2            | 2            | 2            |
| 25                        | PAINT DARK GREY 16OZ AEROSOL  | 1171357        | 1            | 1            | 1            | 1            | 1            | 1            |
| 32                        | PAN CONDENSATE                | 1171359        | 1            | 1            | 1            | 1            | 1            | 1            |
| 33                        | BRACKET COIL (HEADER END)     | 1171070        | 1            | 1            | 1            | 1            | 1            | 1            |
| 34                        | BASE PAN OUTDOOR              | 1171025        | *            | *            | *            | 1            | *            | *            |
| 35                        | PANEL                         | 1171372        | 2            | 2            | 2            | 2            | 2            | 2            |
| 37                        | COMP ZR68KC-TF5-950           | 1171559        | *            | *            | *            | 2            | *            | *            |
| 37                        | COMP ZR68KC-TFD-950           | 1171560        | *            | *            | *            | *            | 2            | *            |
| 37                        | COMP ZR68KC-TFE-950           | 1171561        | *            | *            | *            | *            | *            | 2            |
| 37                        | COMP SRY582AE 230/3/60        | 1171976        | 2            | *            | *            | *            | *            | *            |
| 37                        | COMP SRH582AE 460/3/60        | SRH582AE       | *            | 2            | *            | *            | *            | *            |
| 37                        | COMP SRJ582AE 575/3/60        | SRJ582AE       | *            | *            | 2            | *            | *            | *            |
| 38                        | GROMMET COMPRESSOR 1.25"DIA   | 1171269        | 8            | 8            | 8            | *            | *            | *            |
| 38                        | GROMMET COMPRESSOR 1.62"DIA   | 1171270        | *            | *            | *            | 8            | 8            | 8            |
| 39                        | BOLT HEX HEAD COMPRESSOR MTG  | 1171056        | 8            | 8            | 8            | 8            | 8            | 8            |
| 44                        | CONTROL BOX                   | 1171059        | 1            | 1            | 1            | 1            | 1            | 1            |
| 45                        | PANEL                         | 1171373        | 1            | 1            | 1            | 1            | 1            | 1            |
| 46                        | CLAMP                         | 1171537        | 1            | 1            | 1            | 1            | 1            | 1            |
| 47                        | CAP RN OV 370V 10+10          | 1171105        | 1            | 1            | 1            | 1            | 1            | 1            |

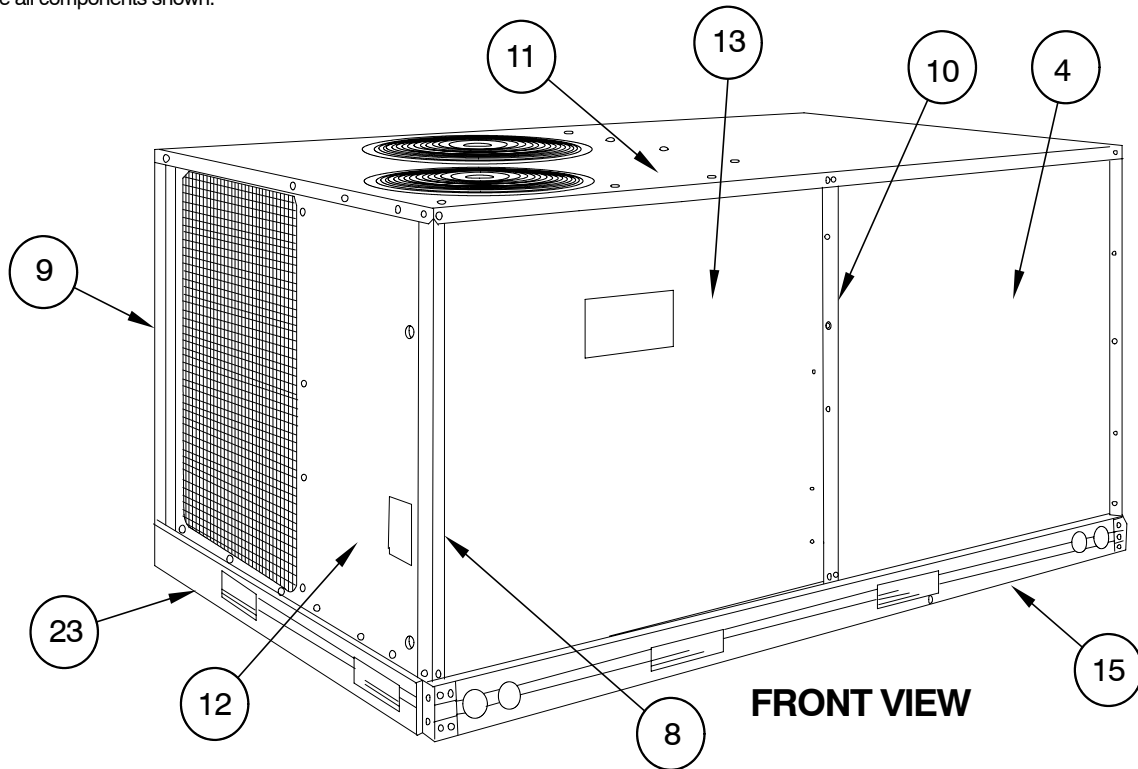


| PAE120, PAE150 PARTS LIST (continued) |                               |                |              |              |              |              |              |              |
|---------------------------------------|-------------------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|
| KEY NO.                               | DESCRIPTION                   | FAST PARTS NO. | PAE120H000AA | PAE120L000AA | PAE120S000AA | PAE150H000AA | PAE150L000AA | PAE150S000AA |
| 48                                    | BREAKER 3.2A 1 POLE 250V      | 1171114        | 1            | 1            | 1            | 1            | 1            | 1            |
| 49                                    | CONTACTOR 2P 20A 24V          | 1171160        | *            | *            | *            | 1            | 3            | 3            |
| 49                                    | CONTACTOR 2P 30A 24V          | 1171163        | 1            | 1            | 1            | *            | *            | *            |
| 50                                    | RELAY 24V DPST 9400-03Q228    | 1171436        | 1            | 1            | 1            | 1            | 1            | 1            |
| 51                                    | TRANS 200/230/460>24 75VA     | 1171496        | 1            | 1            | 1            | 1            | 1            | 1            |
| 52                                    | BOARD TERMINAL LO VOLT 8P     | 1171488        | 1            | 1            | 1            | 1            | 1            | 1            |
| 54                                    | CONTACTOR 2P 20A 24V          | 1171160        | 2            | 2            | 2            | *            | *            | *            |
| 54                                    | CONTACTOR 2P 30A 24V          | 1171554        | *            | *            | *            | 2            | *            | *            |
| 55                                    | RELAY 24V DPDT R8222D1121     | 1171435        | 1            | 1            | 1            | 1            | 1            | 1            |
| 56                                    | GRILLE OUTLET                 | 1171267        | 2            | 2            | 2            | 2            | 2            | 2            |
| 57                                    | FAN C 22" 3B 1/2" 24 INT      | 1171220        | 2            | 2            | 2            | 2            | 2            | 2            |
| 58                                    | MTR CND 1/460 1/4             | 1171334        | *            | *            | *            | *            | 2            | 2            |
| 58                                    | MTR CND 1/230 1/4             | 1171335        | 2            | *            | *            | 2            | *            | *            |
| 58                                    | MTR CND 1/460 1/4             | 1171551        | *            | 2            | 2            | *            | *            | *            |
| 59                                    | RACEWAY                       | 1171428        | 2            | 2            | 2            | 2            | 2            | 2            |
| 60                                    | SWITCH LMT 200-M              | 1171483        | 1            | 1            | 1            | 1            | 1            | 1            |
| 61                                    | FREEZE STAT O30 C45           | 1171252        | 1            | 1            | 1            | 1            | 1            | 1            |
| 64                                    | TERMINAL BLOCK 2P 25A 125V    | 1171487        | *            | 1            | 1            | 1            | 1            | 1            |
| 65                                    | COIL EVAP                     | 1171123        | *            | *            | *            | 1            | 1            | 1            |
| 65                                    | EVAP COIL                     | 1171564        | 1            | 1            | 1            | *            | *            | *            |
| 66                                    | WIRE HARNESS ASY PL6          | 1171526        | 1            | 1            | 1            | *            | *            | *            |
| 66                                    | WIRE HARNESS                  | 1171891        | *            | *            | *            | 1            | 1            | 1            |
| 67                                    | BRACKET (575V)                | 1171069        | *            | *            | 1            | *            | *            | 1            |
| 68                                    | TRANS 240/480>120/240 1KVA    | 1171495        | *            | *            | *            | *            | *            | 2            |
| 68                                    | TRANS 240/480>120/240 .75KVA  | 1171497        | *            | *            | 2            | *            | *            | *            |
| 70                                    | MTR BLT 3/208-460 5.0 1740    | 1171312        | *            | *            | *            | 1            | 1            | 1            |
| 70                                    | MTR BLT 3/208-460 2.5 1725    | 1171337        | 1            | 1            | 1            | *            | *            | *            |
| 71                                    | PULLEY 1 X 6.25 BK65          | 1171417        | *            | *            | *            | 1            | 1            | 1            |
| 71                                    | PULLEY 1 X 6.93 AM74          | 1171422        | 1            | 1            | 1            | *            | *            | *            |
| 72                                    | PULLEY MOTOR 5/8 X 4.25       | 1171420        | 1            | 1            | 1            | *            | *            | *            |
| 72                                    | PULLEY MOTOR 7/8 X 4.25 1VL44 | 1171424        | *            | *            | *            | *            | 1            | 1            |
| 73                                    | BELT V B48 51"                | 1171512        | *            | *            | *            | 1            | 1            | 1            |
| 73                                    | BELT V A49 51"                | 1171513        | 1            | 1            | 1            | *            | *            | *            |
| 74                                    | DECK FAN                      | 1171214        | 1            | 1            | 1            | 1            | 1            | 1            |
| 76                                    | BRACKET ASY                   | 1171062        | 2            | 2            | 2            | 2            | 2            | 2            |
| 77                                    | PLATE FAN DRIVE SIDE          | 1171227        | 1            | 1            | 1            | 1            | 1            | 1            |
| 78                                    | PLATE FAN                     | 1171218        | 1            | 1            | 1            | 1            | 1            | 1            |
| 79                                    | SCROLL FAN                    | 1171223        | 1            | 1            | 1            | 1            | 1            | 1            |
| 80                                    | SHAFT BLR                     | 1171452        | 1            | 1            | 1            | 1            | 1            | 1            |
| 81                                    | PLATE MOTOR                   | 1171388        | 1            | 1            | 1            | 1            | 1            | 1            |
| 82                                    | BRACKET ASY MOTOR MOUNT       | 1171078        | 1            | 1            | 1            | 1            | 1            | 1            |
| 83                                    | PLATE                         | 1171399        | 1            | 1            | 1            | 1            | 1            | 1            |
| 84                                    | BRACKET MOTOR                 | 1171077        | 1            | 1            | 1            | 1            | 1            | 1            |
| 85                                    | BOLT CARRIAGE 5/16-18 X 10    | 1171057        | 1            | 1            | 1            | 1            | 1            | 1            |
| 87                                    | BEARING BALL 1"               | 1171037        | 2            | 2            | 2            | 2            | 2            | 2            |
| 88                                    | WHEEL BD15x15x1 REV CV DBL    | 1171050        | 1            | 1            | 1            | 1            | 1            | 1            |
| 90A                                   | BRACKET                       | 1171063        | *            | *            | *            | 1            | 1            | 1            |
| 90B                                   | BREAKER 7.4A 3 POLE 480V      | 1171079        | *            | *            | *            | *            | 1            | 1            |
| 90B                                   | BREAKER 15A 3 POLE 240V       | 1171080        | *            | *            | *            | 1            | *            | *            |

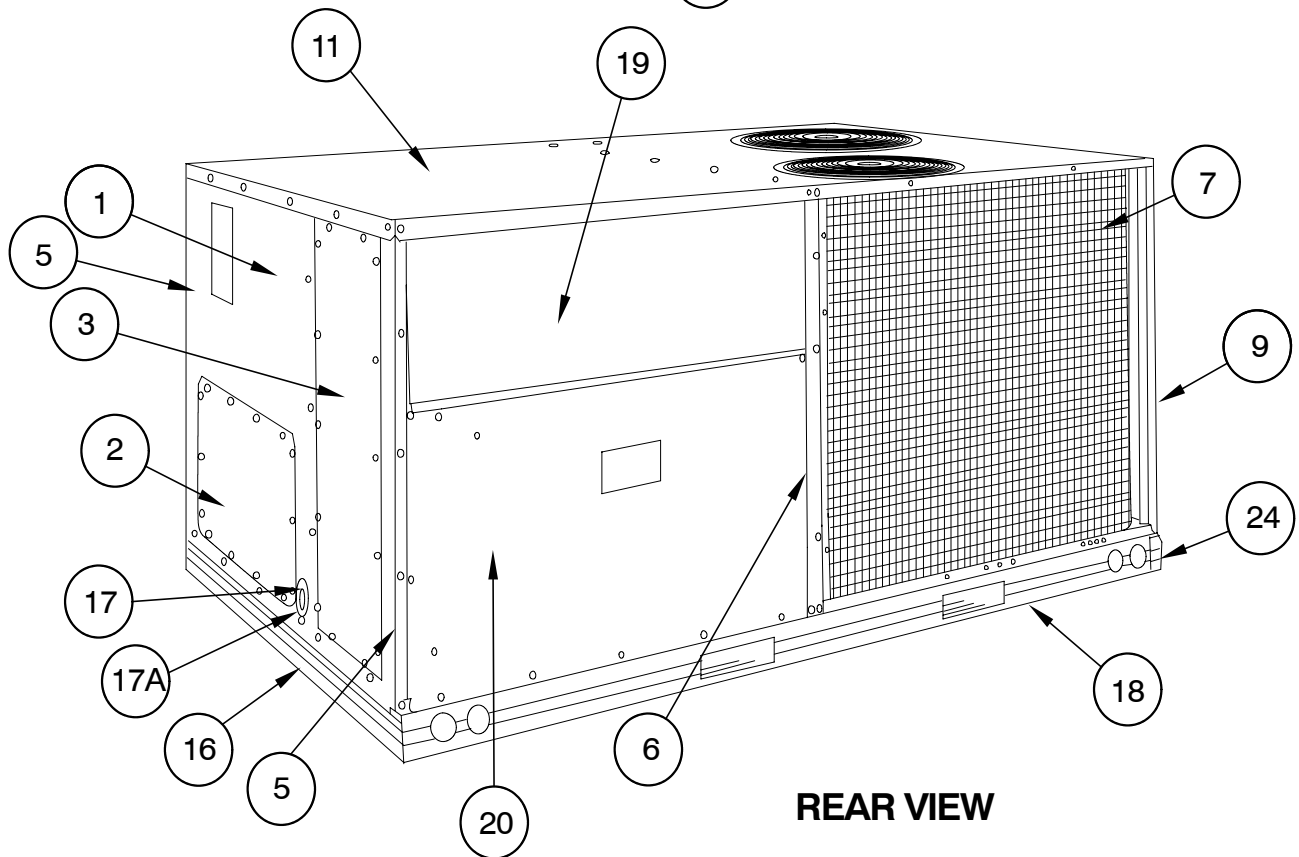
| PAE120, PAE150 PARTS LIST (continued) |                            |                |              |              |              |              |              |              |
|---------------------------------------|----------------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|
| KEY NO.                               | DESCRIPTION                | FAST PARTS NO. | PAE120H000AA | PAE120L000AA | PAE120S000AA | PAE150H000AA | PAE150L000AA | PAE150S000AA |
| 91                                    | FRAME ASY ECON TRACK       | 1171205        | 1            | 1            | 1            | 1            | 1            | 1            |
| 92                                    | RETAINER FILTER            | 1171239        | 1            | 1            | 1            | 1            | 1            | 1            |
| 93                                    | RETAINER FILTER            | 1171238        | 1            | 1            | 1            | 1            | 1            | 1            |
| 94                                    | FILTER RETAINER            | 1171536        | 2            | 2            | 2            | 2            | 2            | 2            |
| 95                                    | FILTER AIR 20X20X2 DISP    | 1171231        | 4            | 4            | 4            | 4            | 4            | 4            |
| PARTS NOT SHOWN                       |                            |                |              |              |              |              |              |              |
| ]]                                    | CAP FLARE                  | 1171101        | 4            | 4            | 4            | 4            | 4            | 4            |
| ]]                                    | CAP SEAL                   | 1171102        | 4            | 4            | 4            | *            | *            | *            |
| ]]                                    | COVER CONTROL              | 1171169        | 1            | 1            | 1            | 1            | 1            | 1            |
| ]]                                    | CORE VALVE                 | 1171170        | 4            | 4            | 4            | *            | *            | *            |
| ]]                                    | HEADER ASY UPPER           | 1171275        | *            | *            | *            | 1            | 1            | 1            |
| ]]                                    | HEADER ASY LOWER           | 1171278        | *            | *            | *            | 1            | 1            | 1            |
| ]]                                    | SWITCH PRESS HI O426 C320  | 1171303        | 2            | 2            | 2            | 2            | 2            | 2            |
| ]]                                    | HTR BRACKET                | 1171304        | 1            | 1            | 1            | 1            | 1            | 1            |
| ]]                                    | KEY SHAFT 1/4X1/4X1-3/4    | 1171322        | 1            | 1            | 1            | 1            | 1            | 1            |
| ]]                                    | RACEWAY 24V                | 1171326        | 1            | 1            | 1            | 1            | 1            | 1            |
| ]]                                    | PANEL                      | 1171374        | 1            | 1            | 1            | 1            | 1            | 1            |
| ]]                                    | PANEL FILTER ACCESS LOWER  | 1171382        | *            | 1            | 1            | *            | *            | 1            |
| ]]                                    | PLUG                       | 1171401        | 1            | 2            | 1            | 1            | 1            | 1            |
| ]]                                    | PLUG ASSEMBLY ECONOMIZER   | 1171405        | 1            | 1            | 1            | 1            | 1            | 1            |
| ]]                                    | SWITCH PRESS LO O07 C22    | 1171412        | 2            | 2            | 2            | 2            | 2            | 2            |
| ]]                                    | RECEPTACLE                 | 1171430        | *            | *            | 1            | *            | *            | *            |
| ]]                                    | RELAY SENSING              | 1171434        | *            | *            | *            | 2            | *            | *            |
| ]]                                    | SUPPORT TRACK              | 1171472        | 1            | 1            | 1            | 1            | 1            | 1            |
| ]]                                    | TERMINAL BLOCK 2P 25A 125V | 1171487        | 1            | *            | *            | *            | *            | *            |
| ]]                                    | FITTING ACCESS             | 1171507        | 2            | 2            | 2            | 2            | 2            | 2            |
| ]]                                    | CORE VALVE                 | 1171508        | 8            | 8            | 8            | 8            | 8            | 8            |
| ]]                                    | WIRE HARNESS               | 1171520        | *            | 1            | *            | *            | 1            | *            |
| ]]                                    | HEADER ASY LOWER           | 1171530        | 1            | 1            | 1            | *            | *            | *            |
| ]]                                    | BELT DRIVE FAN PARTS (STD) | 1171532        | 1            | 1            | 1            | *            | *            | *            |
| ]]                                    | BELT DRIVE FAN PARTS (ALT) | 1171534        | *            | *            | *            | 1            | *            | *            |
| ]]                                    | BELT DRIVE FAN PARTS (ALT) | 1171535        | *            | *            | *            | *            | 1            | 1            |
| ]]                                    | DRIER 08 CI 3/8" IN & OUT  | 1171555        | 2            | 2            | 2            | 2            | 2            | 2            |
| ]]                                    | PANEL FILTER ACCESS        | 1171789        | *            | *            | *            | 1            | *            | *            |
| ]]                                    | PANEL FILTER ACCESS        | 1171790        | *            | *            | *            | *            | 1            | *            |
| ]]                                    | PANEL FILTER ACCESS        | 1171797        | 1            | *            | *            | *            | *            | *            |
| ]]                                    | WIRE HARNESS ASY           | 1173199        | 1            | 1            | 1            | 1            | 1            | 1            |
| ]]                                    | CONV KIT NAT>LP            | AXB345LPA      | 1            | 1            | 1            | 1            | 1            | 1            |

# PAE090, PAE120, PAE150

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



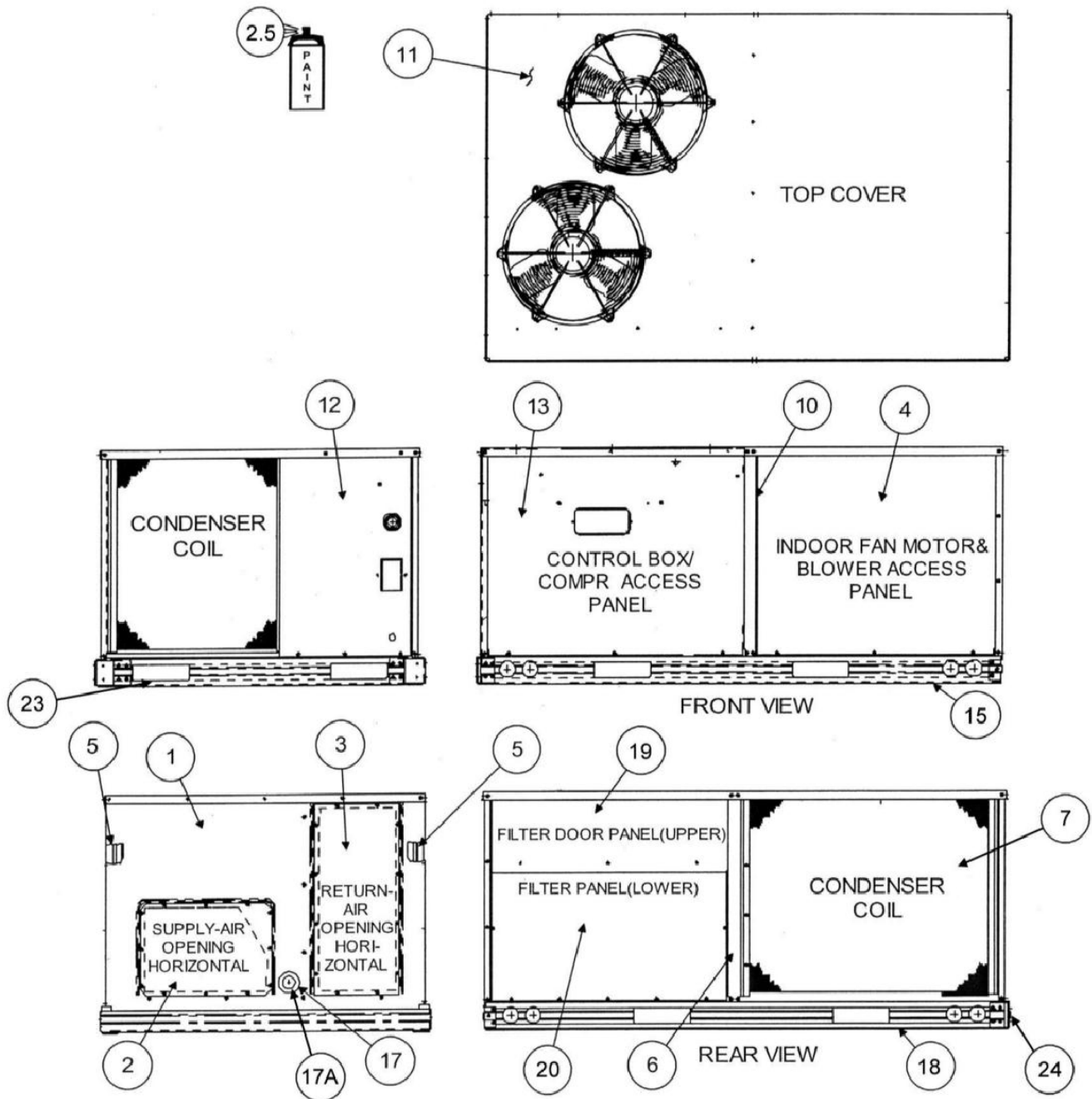
**FRONT VIEW**



**REAR VIEW**

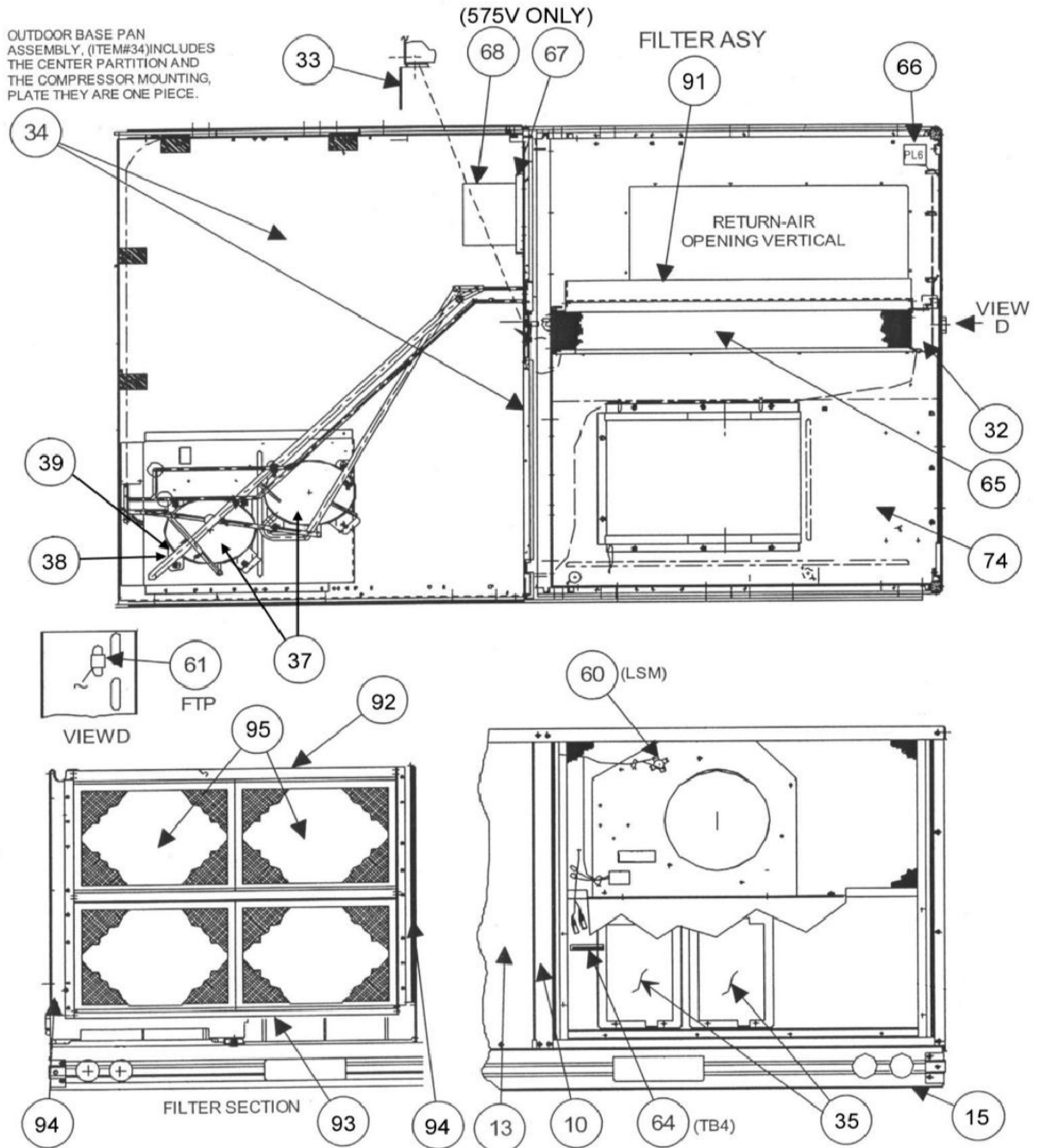
PAE090, PAE120, PAE150

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



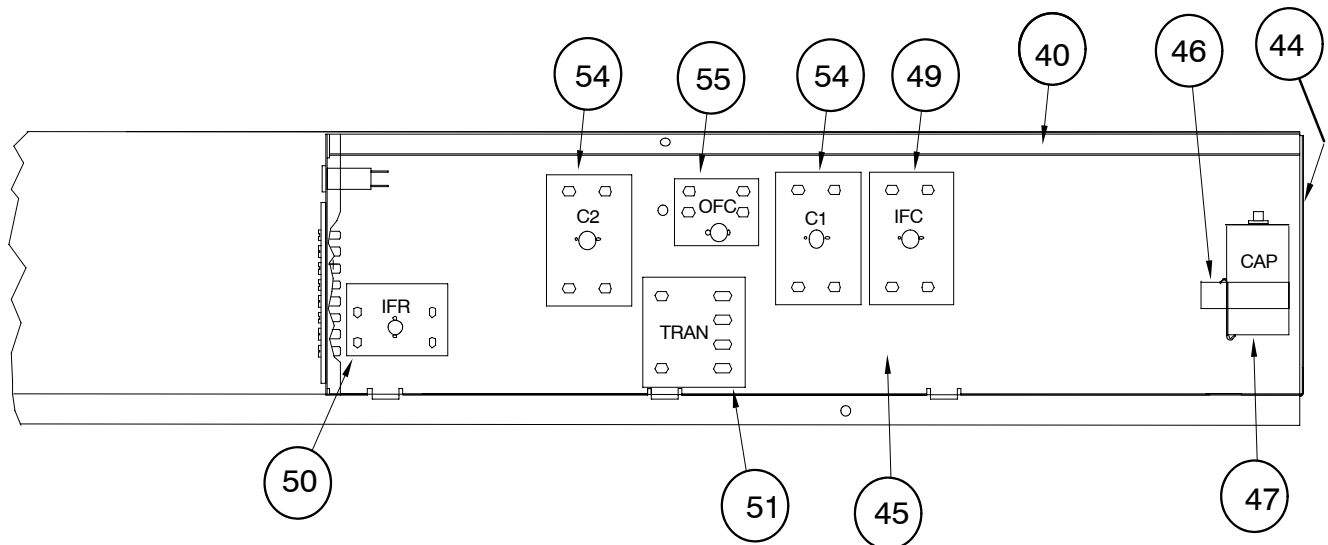
PAE090, PAE120, PAE150

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

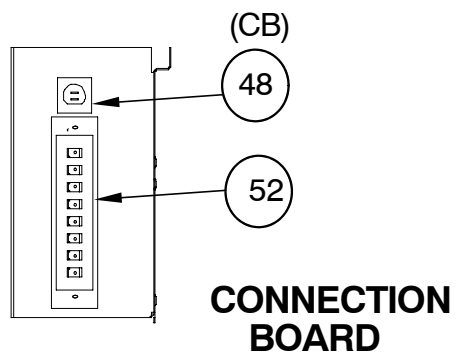


PAE090, PAE120, PAE150

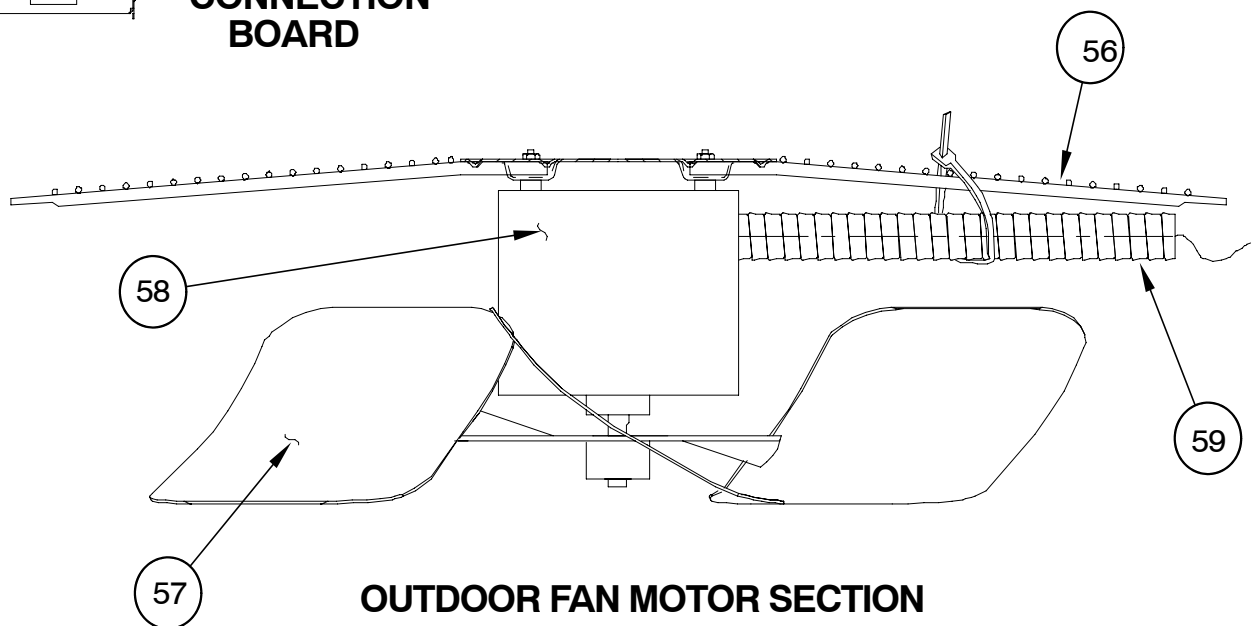
NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown.



**CONTROL BOX**

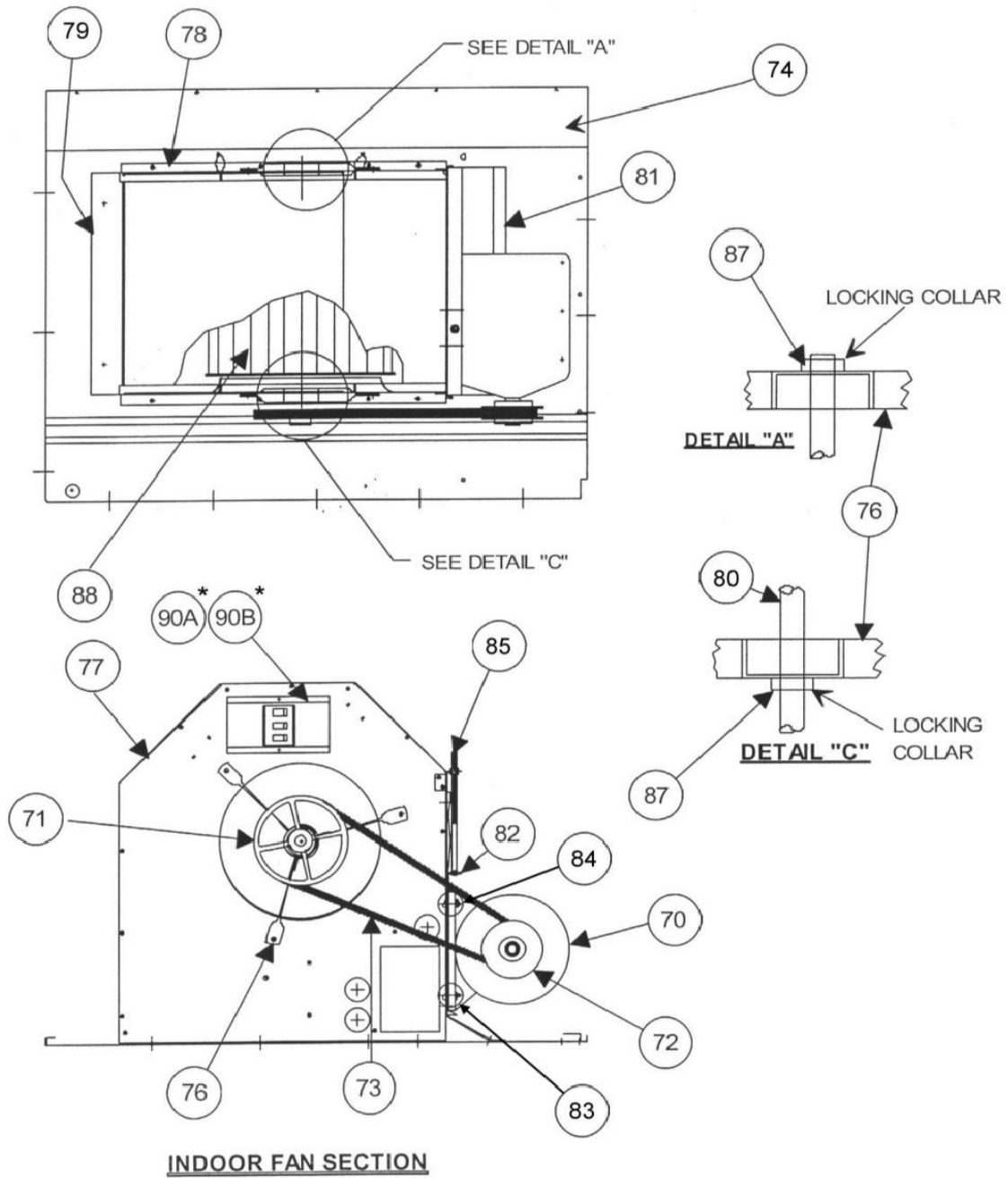


**CONNECTION BOARD**

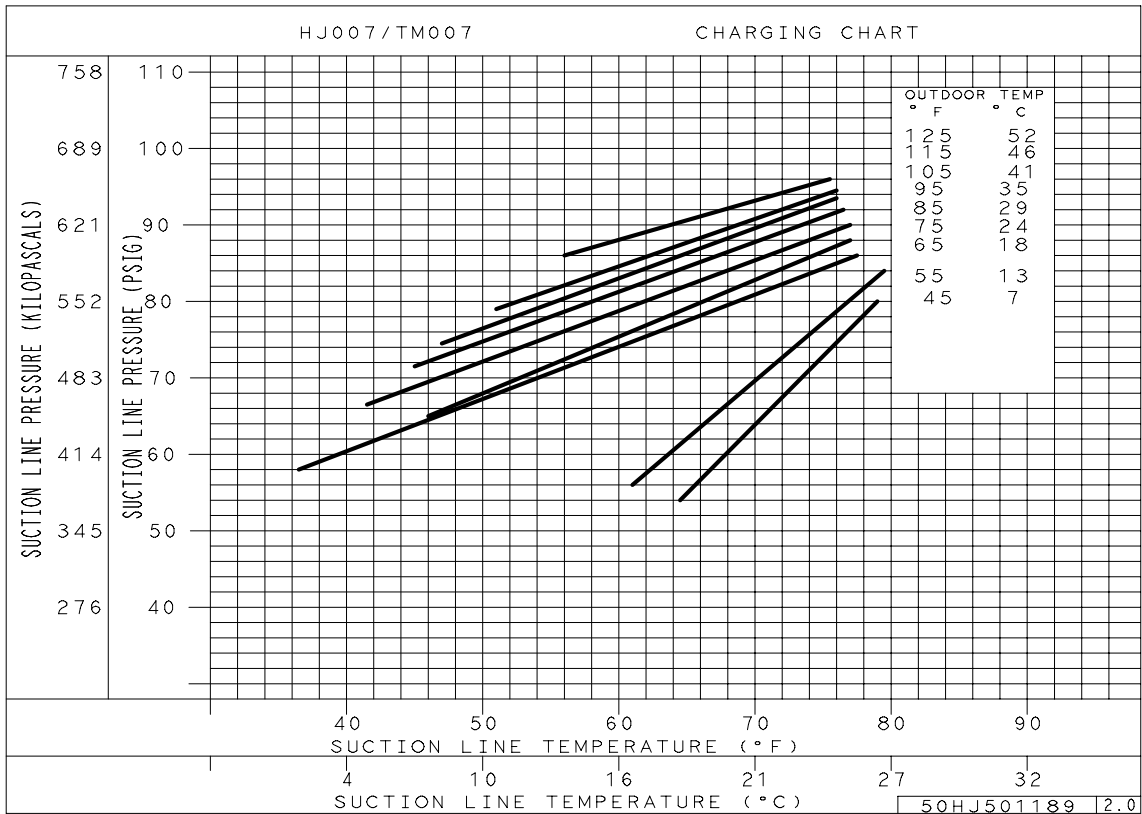


**OUTDOOR FAN MOTOR SECTION**

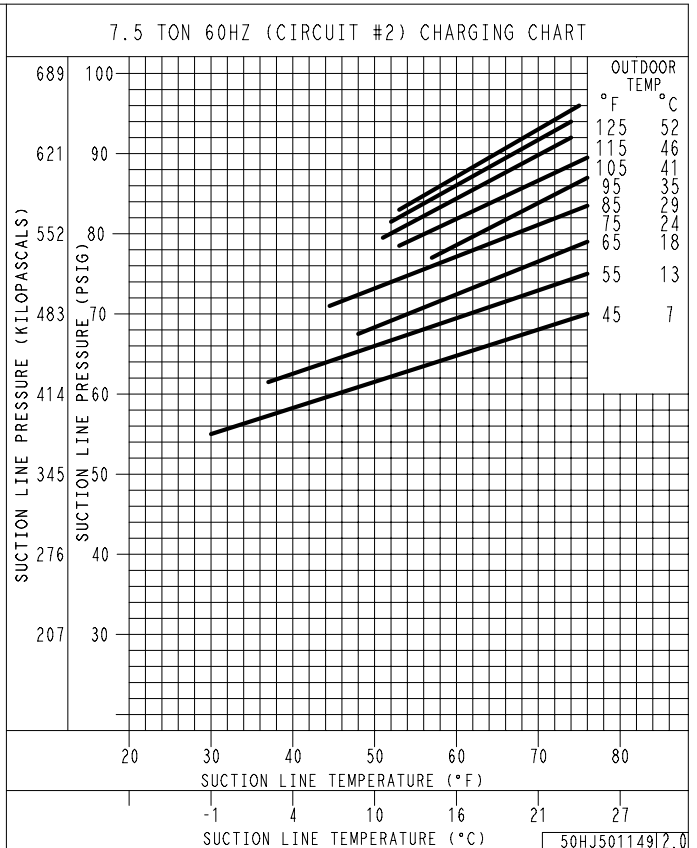
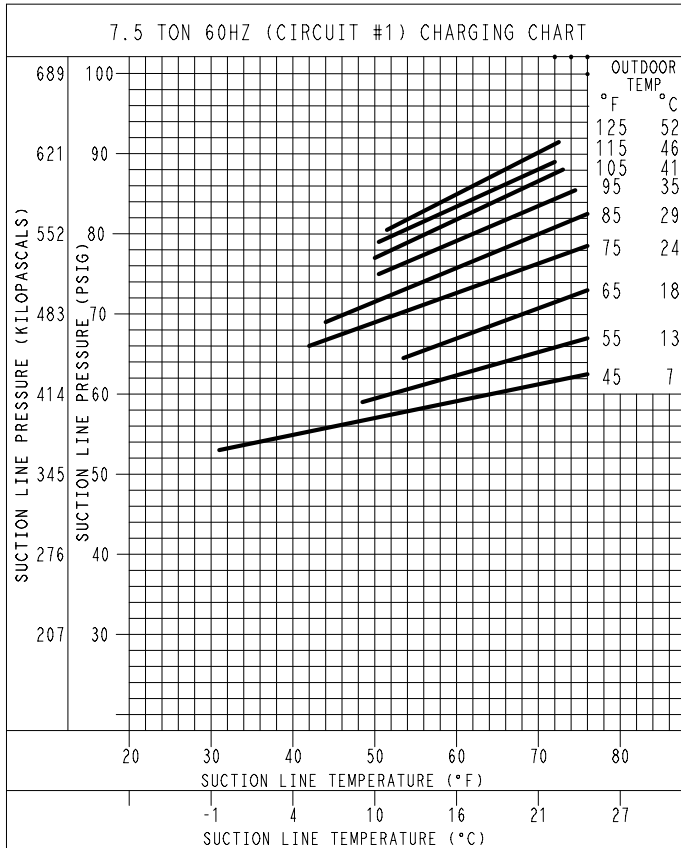
\*MAY NOT BE USED ON ALL UNITS



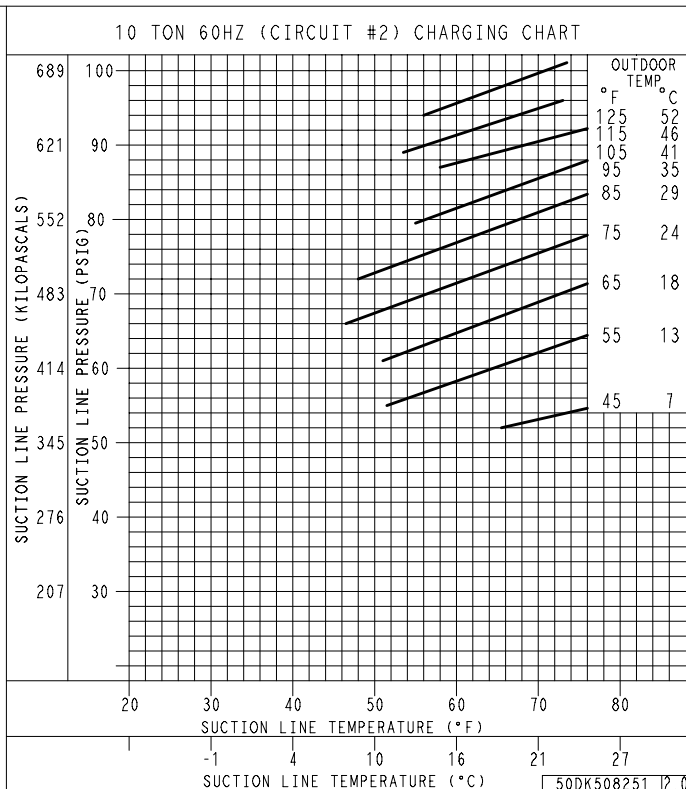
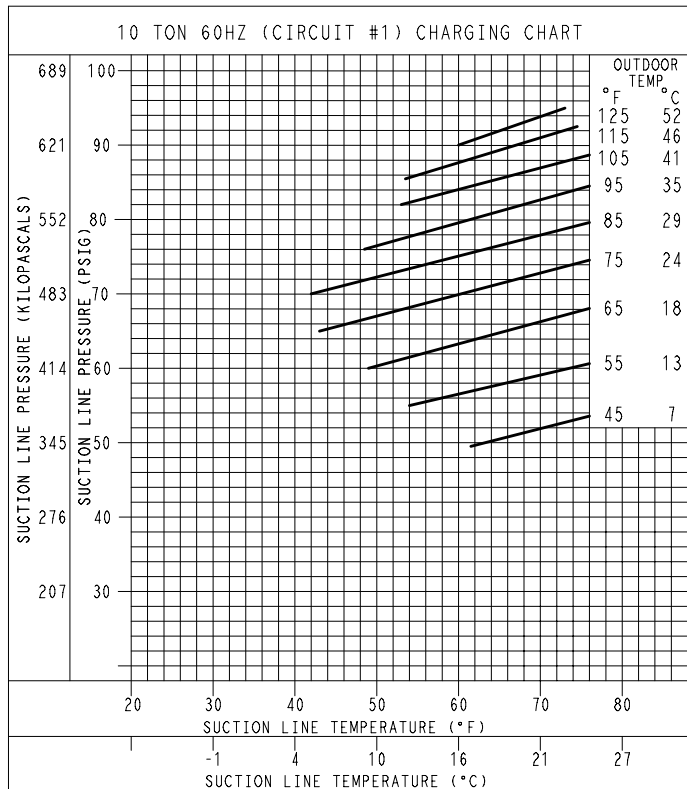
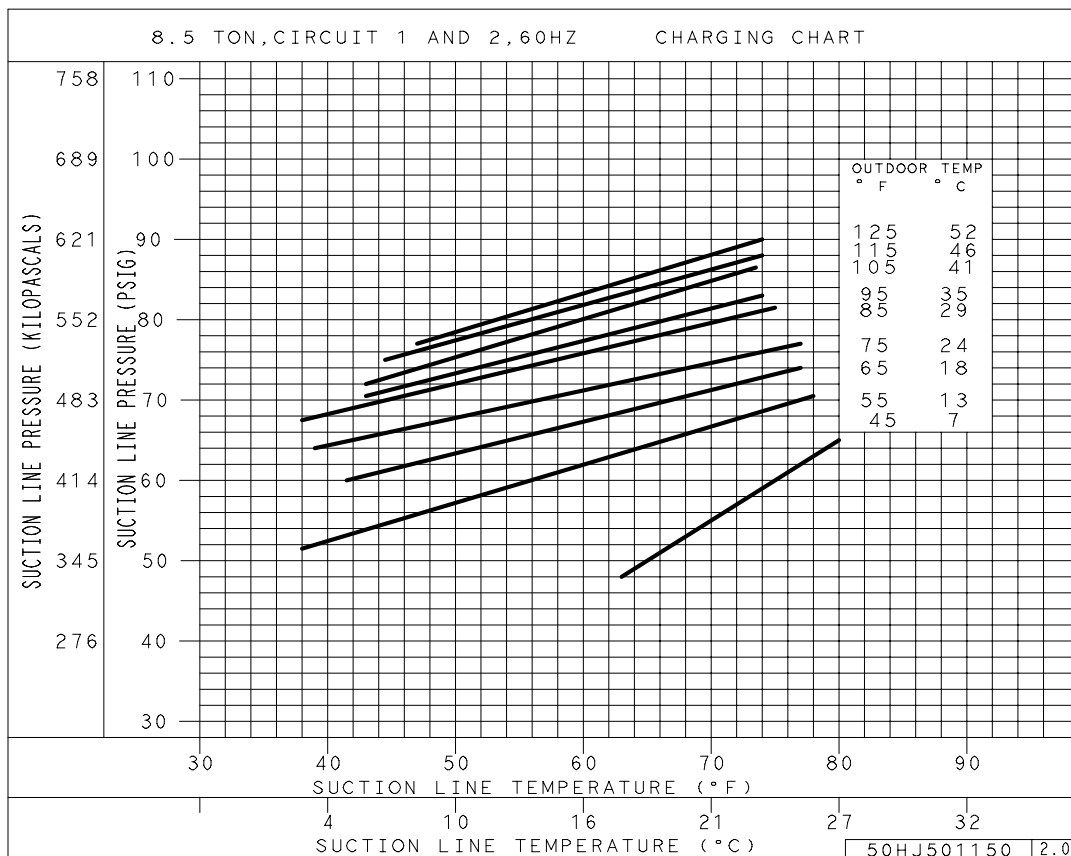
PAE072

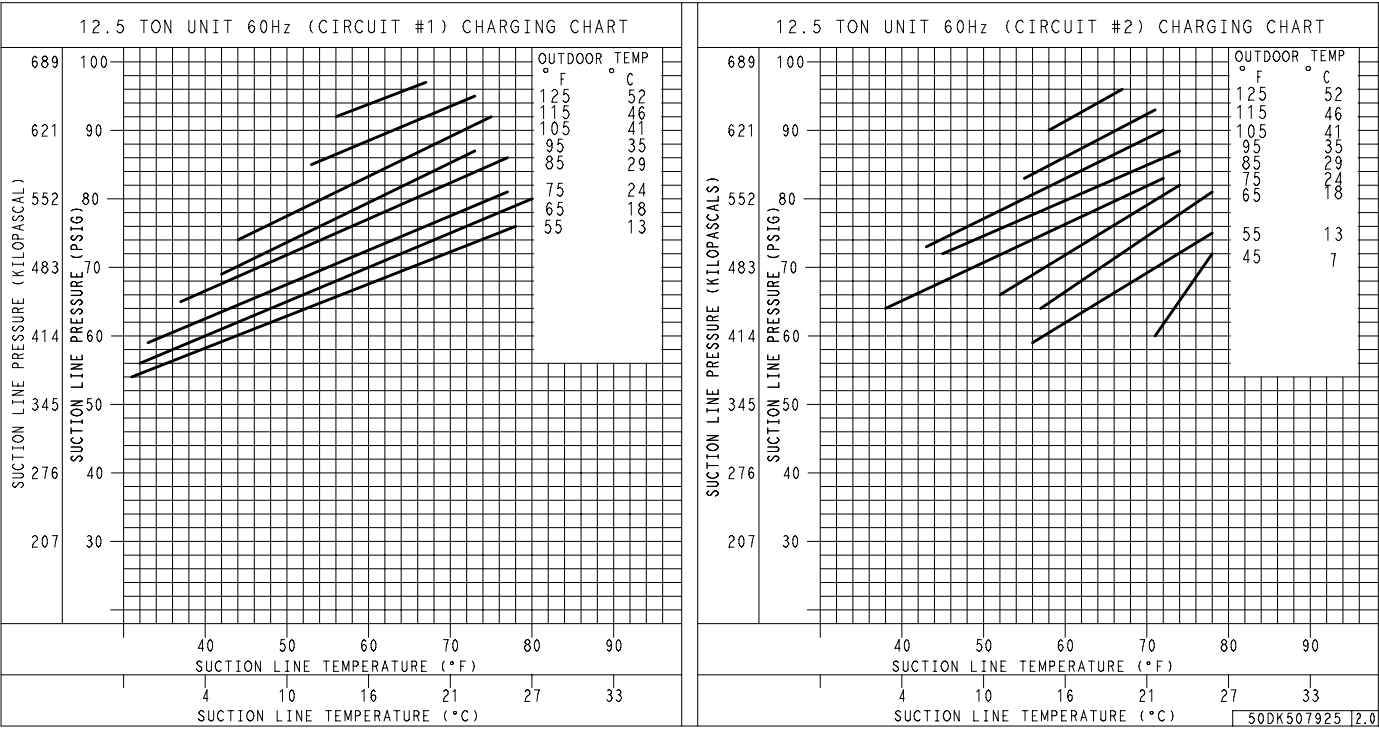


PAE090









SCHEMATIC

RELOCATE TO  
SINGLE POINT  
BOX WHEN USED.

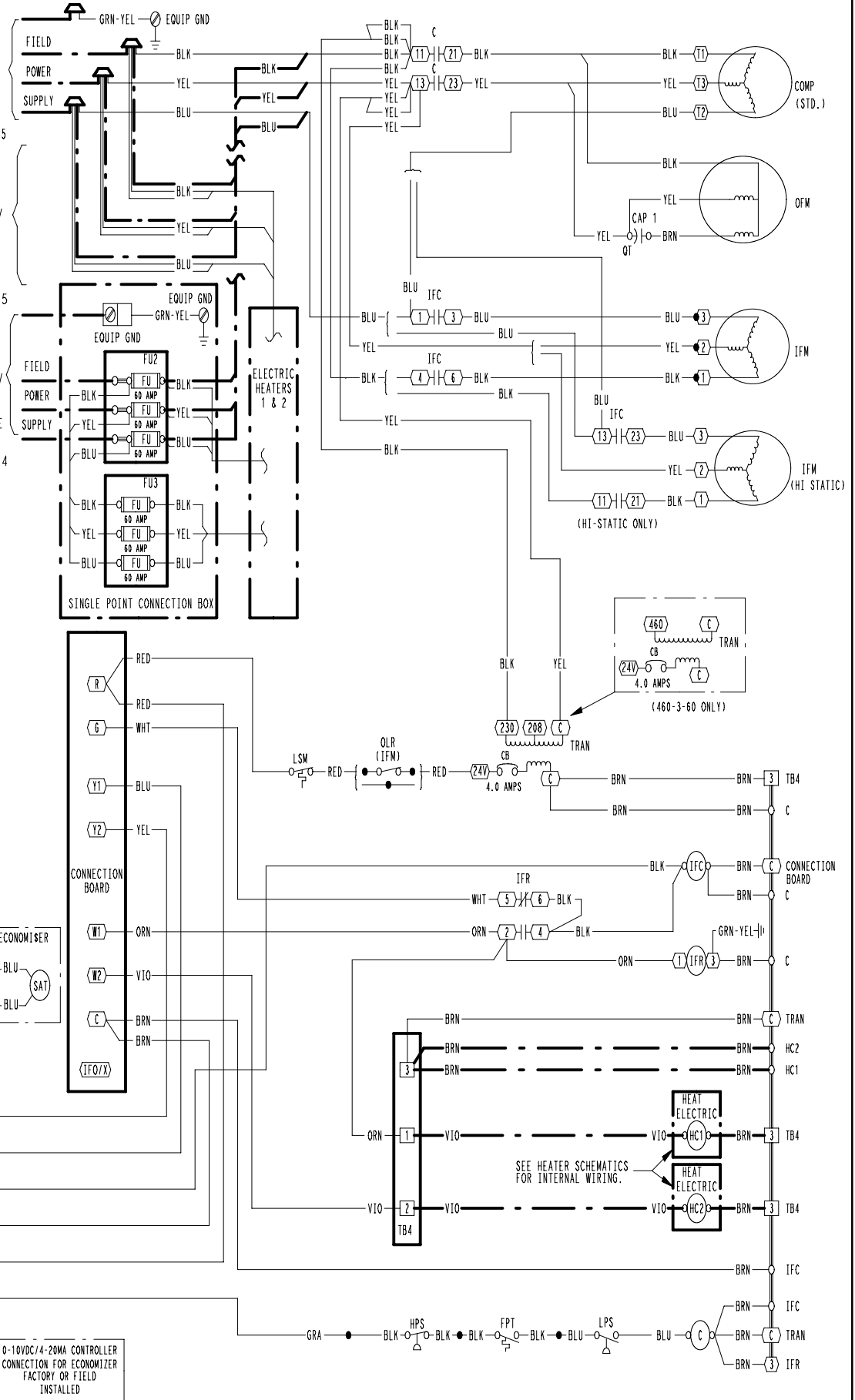
SEE NOTE#5

USED WITH  
ELECTRIC HEAT  
OPTION ONLY.  
FOR ALL 208/230V  
HEATER OPTIONS  
UP TO 17.0 KW.  
FOR ALL 460V  
HEATER OPTIONS.

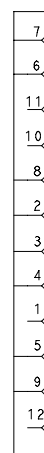
SEE NOTE#5

USED WITH  
ELECTRIC HEAT  
OPTION ONLY.  
FOR ALL 208/230V  
HEATER OPTIONS  
WITH OVER 17.0  
KW. MAXIMUM WIRE  
SIZE 2/0 AWG

SEE NOTE#4



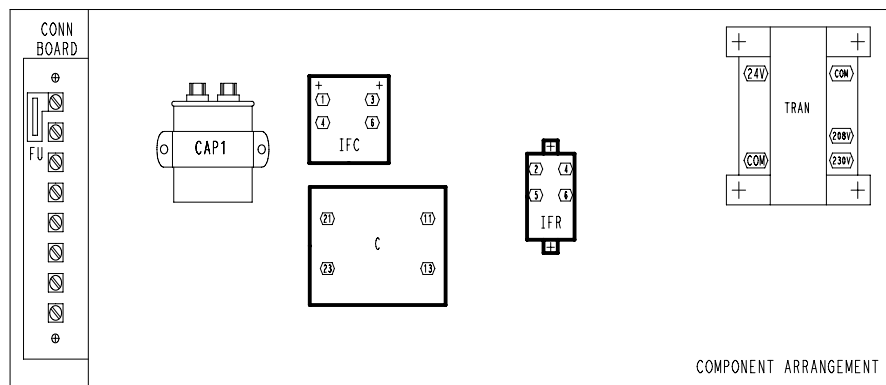
# ECONOMIZER WIRING (FIELD CONNECTED)

PL6-R  
FOR ECON  
UNIT

## NOTES

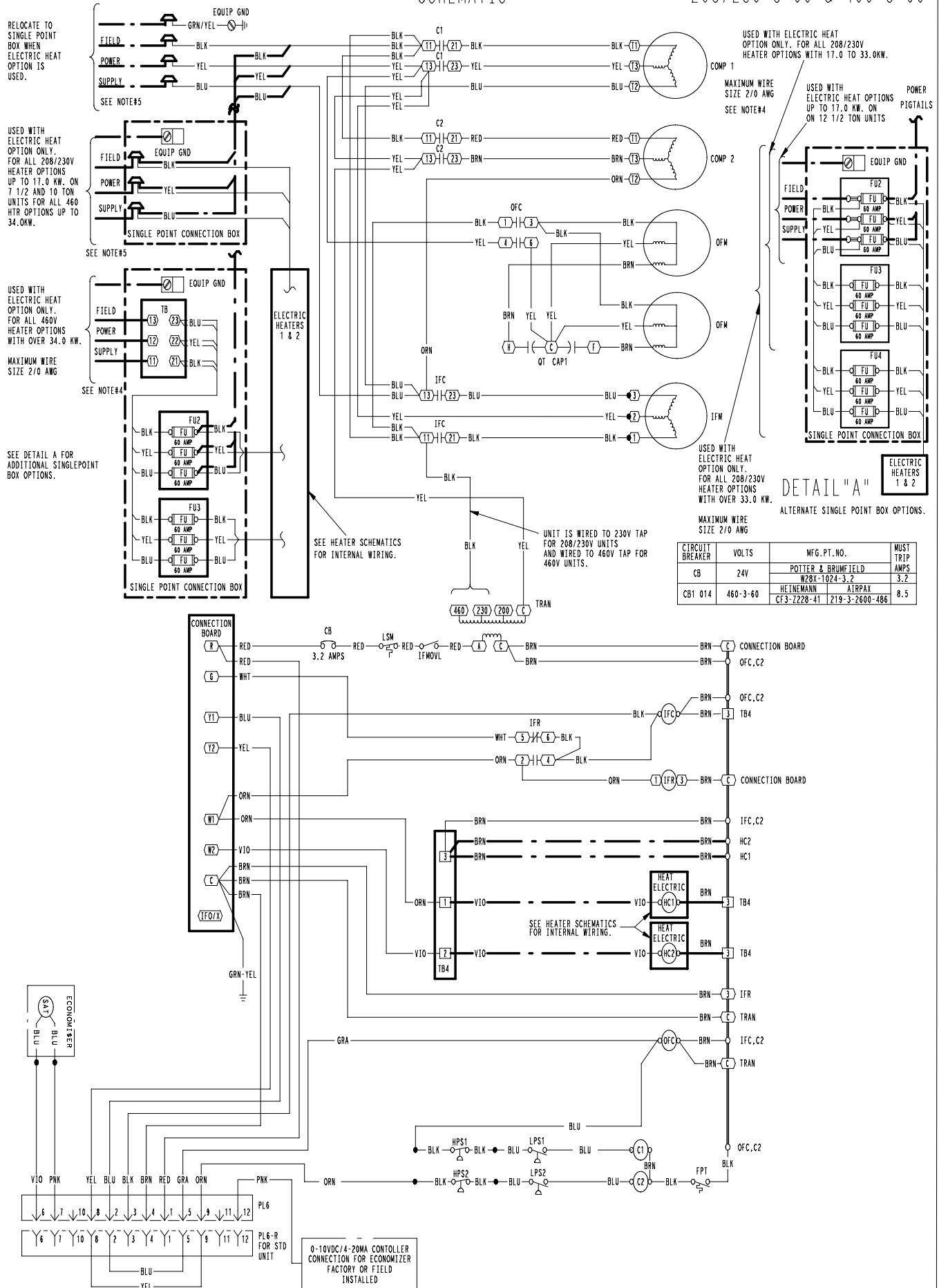
1. IF ANY OF THE ORIGINAL WIRE FURNISHED MUST BE REPLACED. IT MUST BE REPLACED WITH TYPE 90 C WIRE OR ITS EQUIVALENT.
2. COMPRESSOR AND FAN MOTORS ARE THERMALLY PROTECTED. THREE PHASE MOTORS ARE PROTECTED AGAINST PRIMARY SINGLE PHASING CONDITIONS.
3. TRAN IS WIRED FOR 230V UNIT. IF UNIT IS TO BE RUN WITH 208V POWER SUPPLY DISCONNECT BLK WIRE FROM 230V TAP (ORN) AND CONNECT TO 208V TAP (RED). INSULATE END OF 230V WIRE.
4. USE COPPER, COPPER CLAD ALUMINUM OR ALUMINUM CONDUCTORS.
5. USE COPPER CONDUCTORS ONLY.

|      |                                   |
|------|-----------------------------------|
| C    | CONTACTOR, COMPRESSOR             |
| CAP  | CAPACITOR                         |
| CB   | CIRCUIT BREAKER                   |
| CC   | COOLING COMPENSATOR               |
| CLO  | COMPRESSOR LOCKOUT                |
| COMP | COMPRESSOR MOTOR                  |
| FPT  | FREEZE UP PROTECTION THERMOSTAT   |
| FU   | FUSE                              |
| GND  | GROUND                            |
| HPS  | HIGH PRESSURE SWITCH              |
| IAQ  | INDOOR AIR QUALITY SENSORS        |
| IARH | INDOOR AIR RELATIVE HUMIDITY SEN  |
| IFC  | INDOOR FAN CONTACTOR              |
| IFM  | INDOOR FAN MOTOR                  |
| LA   | LOW AMBIENT LOCKOUT               |
| LPS  | LOW PRESSURE SWITCH               |
| LSM  | LIMIT SWITCH (MANUAL RESET)       |
| OARH | OUTDOOR AIR RELATIVE HUMIDITY SEN |
| OAT  | OUTDOOR AIR TEMP. SEN             |
| OFM  | OUTDOOR FAN MOTOR                 |
| OLR  | OVERLOAD RELAY                    |
| P    | PLUG                              |
| PL   | PLUG ASSEMBLY                     |
| POT  | POTENTIOMETER                     |
| QT   | QUADRUPLE TERMINAL                |
| R    | RELAY                             |
| RAT  | RETURN AIR TEMP. SEN              |
| SAT  | SUPPLY AIR TEMP. SEN              |
| TB   | TERMINAL BLOCK                    |
| TDR  | TIME DELAY RELAY                  |
| TRAN | TRANSFORMER                       |



## LEGEND

|  |                                    |
|--|------------------------------------|
|  | FIELD SPLICE                       |
|  | MARKED WIRE                        |
|  | TERMINAL (MARKED)                  |
|  | TERMINAL (UNMARKED)                |
|  | TERMINAL BLOCK                     |
|  | SPLICE                             |
|  | SPLICE (MARKED)                    |
|  | FACTORY WIRING                     |
|  | FIELD CONTROL WIRING               |
|  | FIELD POWER WIRING                 |
|  | ACCESSORY OR OPTIONAL WIRING       |
|  | TO INDICATE COMMON POTENTIAL ONLY: |
|  | NOT TO REPRESENT WIRING            |



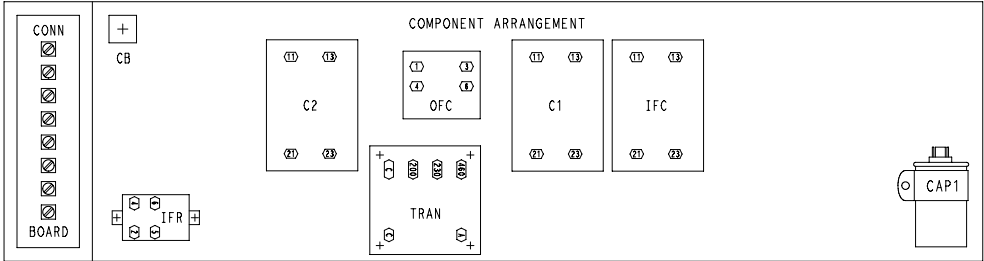
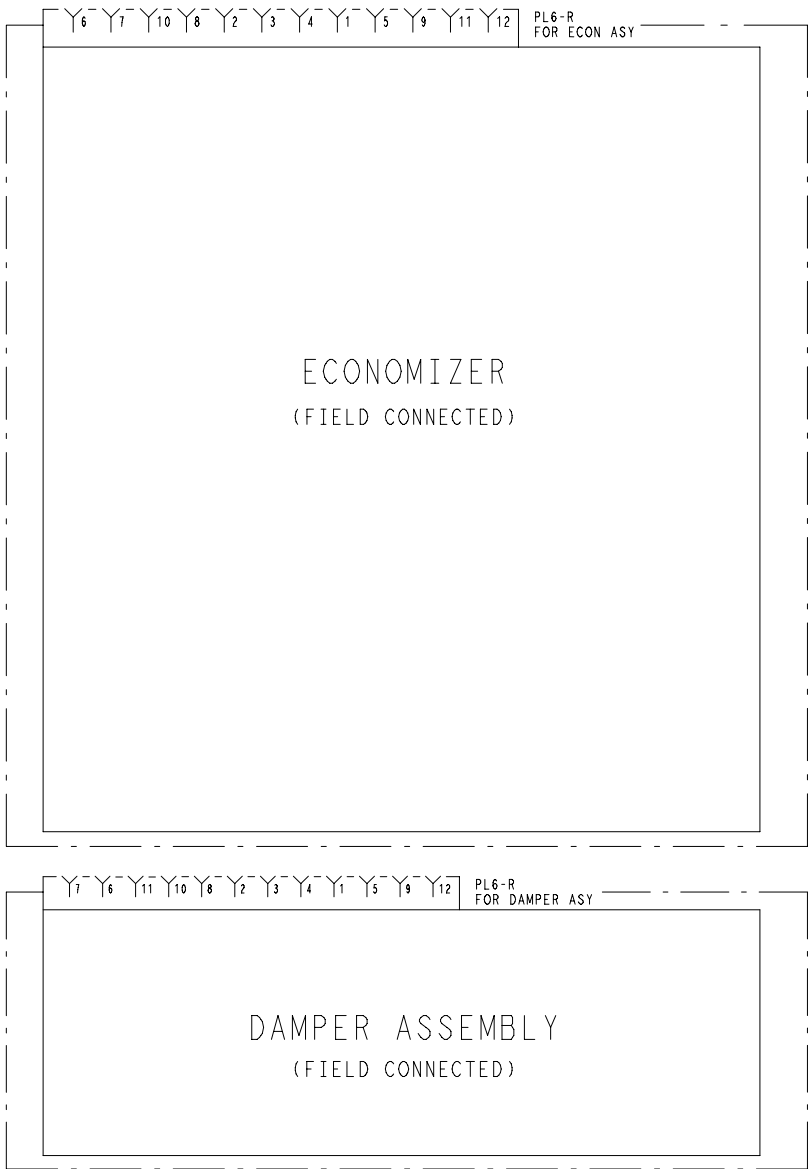
NOTES

- 1. IF ANY OF THE ORIGINAL WIRE FURNISHED MUST BE REPLACED, IT MUST BE REPLACED WITH TYPE 90 C WIRE OR ITS EQUIVALENT.
- 2. COMPRESSOR AND FAN MOTORS ARE THERMALLY PROTECTED. THREE PHASE MOTORS ARE PROTECTED AGAINST PRIMARY SINGLE PHASING CONDITIONS.
- 3. TRAN IS WIRED FOR 230V UNIT. IF UNIT IS TO BE RUN WITH 208V POWER SUPPLY DISCONNECT BLK WIRE FROM 230V TAP (ORN) AND CONNECT TO 208V TAP (RED). INSULATE END OF 230V TAP.
- 4. USE COPPER, COPPER CLAD ALUMINUM OR ALUMINUM CONDUCTORS.
- 5. USE COPPER CONDUCTORS ONLY.

|        |                                 |
|--------|---------------------------------|
| AHA    | ADJUSTABLE HEAT ANTICIPATOR     |
| C      | CONTACTOR, COMPRESSOR           |
| CAP    | CAPACITOR                       |
| CB     | CIRCUIT BREAKER                 |
| CC     | COOLING COMPENSATOR             |
| COMP   | COMPRESSOR MOTOR                |
| FPT    | FREEZE UP PROTECTION THERMOSTAT |
| FU     | FUSE                            |
| GND    | GROUND                          |
| HC     | HEATER CONTACTOR (STRIP HEAT)   |
| HPS    | HIGH PRESSURE SWITCH            |
| IFC    | INDOOR FAN CONTACTOR            |
| IFM    | INDOOR FAN MOTOR                |
| IFMOVL | INDOOR FAN MOTOR OVERLOAD       |
| IFR    | INDOOR FAN RELAY                |
| LPS    | LOW PRESSURE SWITCH             |
| LSM    | LIMIT SWITCH (MANUAL RESET)     |
| MTR    | MOTOR                           |
| OAT    | OUTDOOR AIR THERMOSTAT          |
| OFM    | OUTDOOR FAN MOTOR               |
| P      | PLUG                            |
| PL     | PLUG ASSEMBLY                   |
| QT     | QUADRUPLE TERMINAL              |
| R      | RELAY                           |
| SAT    | SUPPLY AIR THERMOSTAT           |
| SEN    | SENSOR                          |
| TB     | TERMINAL BLOCK                  |
| TC     | THERMOSTAT-COOLING              |
| TH     | THERMOSTAT-HEATING              |
| TRAN   | TRANSFORMER                     |

LEGEND

-  FIELD SPlice
-  MARKED WIRE
-  TERMINAL (MARKED)
-  TERMINAL (UNMARKED)
-  TERMINAL BLOCK
-  SPLICE
-  SPLICE (MARKED)
-  FACTORY WIRING
-  FIELD CONTROL WIRING
-  FIELD POWER WIRING
-  ACCESSORY OR OPTIONAL WIRING
-  TO INDICATE COMMON POTENTIAL ONLY: NOT TO REPRESENT WIRING

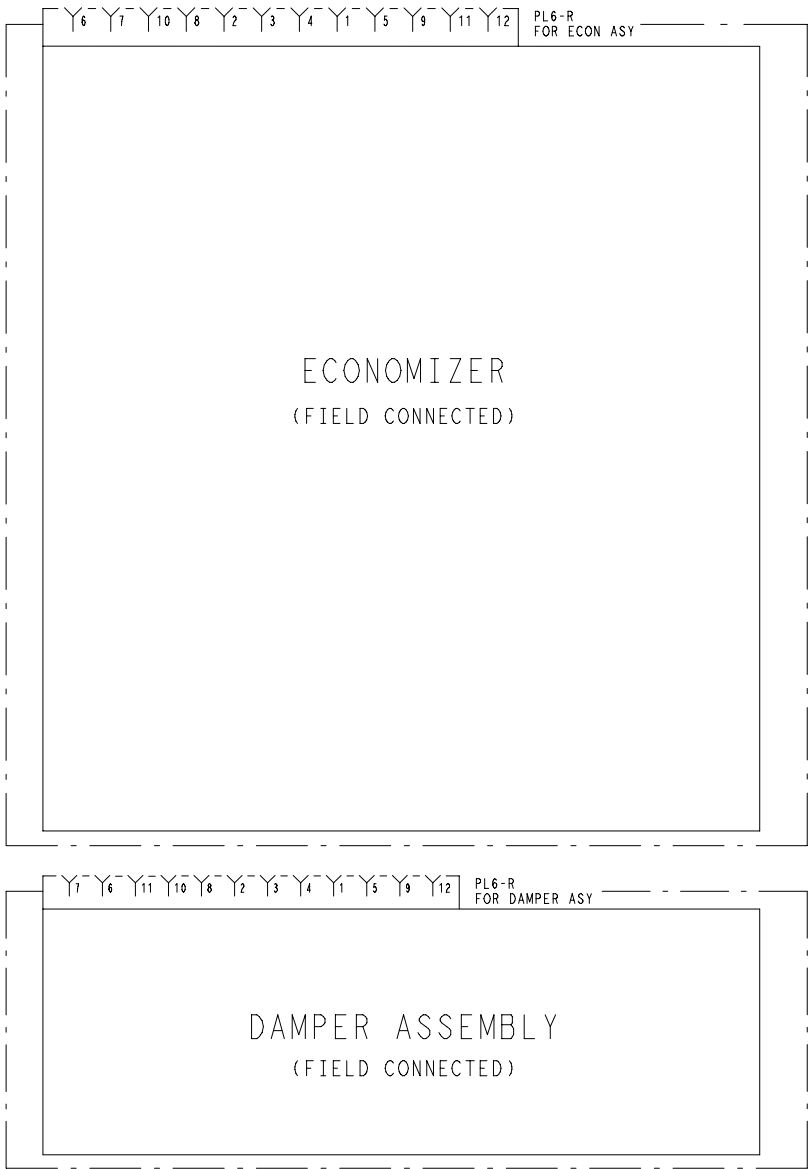


|            |     |
|------------|-----|
| 50DK509342 | 3.0 |
|------------|-----|

## SCHEMATIC



| CIRCUIT<br>BREAKER | VOLTS    | MFG. PT. NO.               | MUST<br>TRIP |
|--------------------|----------|----------------------------|--------------|
| CB                 | 24V      | POTTER & BRUMFIELD         | AMPS         |
|                    |          | W28X-1024-3.2              | 3.2          |
| CB1 014            | 460-3-60 | HEINEMANN AIRPAX           | 8.5          |
|                    |          | CF3-7228-41 219-3-2600-486 |              |



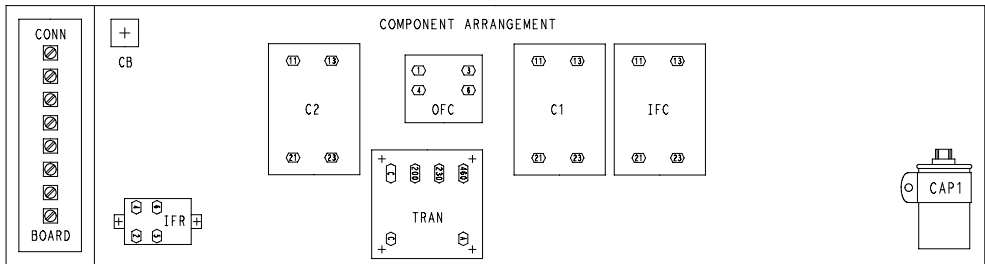
NOTES

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- 3. USE COPPER, COPPER CLAD ALUMINUM OR ALUMINUM CONDUCTORS.
- 4. USE COPPER CONDUCTORS ONLY.

|       |                                 |
|-------|---------------------------------|
| AHA   | ADJUSTABLE HEAT ANTICIPATOR     |
| C     | CONTACTOR, COMPRESSOR           |
| CAP   | CAPACITOR                       |
| CB    | CIRCUIT BREAKER                 |
| CC    | COOLING COMPENSATOR             |
| COMP  | COMPRESSOR MOTOR                |
| FPT   | FREEZE UP PROTECTION THERMOSTAT |
| FU    | FUSE                            |
| GND   | GROUND                          |
| HC    | HEATER CONTACTOR (STRIP HEAT)   |
| HPS   | HIGH PRESSURE SWITCH            |
| IFC   | INDOOR FAN CONTACTOR            |
| IFM   | INDOOR FAN MOTOR                |
| IFMOV | INDOOR FAN MOTOR OVERLOAD       |
| IFR   | INDOOR FAN RELAY                |
| LPS   | LOW PRESSURE SWITCH             |
| LSM   | LIMIT SWITCH (MANUAL RESET)     |
| MTR   | MOTOR                           |
| OAT   | OUTDOOR AIR THERMOSTAT          |
| OFM   | OUTDOOR FAN MOTOR               |
| P     | PLUG                            |
| PL    | PLUG ASSEMBLY                   |
| QT    | QUADRUPLE TERMINAL              |
| R     | RELAY                           |
| SAT   | SUPPLY AIR THERMOSTAT           |
| SEN   | SENSOR                          |
| TB    | TERMINAL BLOCK                  |
| TC    | THERMOSTAT-COOLING              |
| TH    | THERMOSTAT-HEATING              |
| TRAN  | TRANSFORMER                     |

LEGEND

- FIELD SPLICE
- MARKED WIRE
- TERMINAL (MARKED)
- TERMINAL (UNMARKED)
- TERMINAL BLOCK
- SPLICE
- SPLICE (MARKED)
- FACTORY WIRING
- FIELD CONTROL WIRING
- FIELD POWER WIRING
- ACCESSORY OR OPTIONAL WIRING
- TO INDICATE COMMON POTENTIAL ONLY:
- NOT TO REPRESENT WIRING



50DK509343 3.0