

iHybrid<sup>®</sup> **DUAL FUEL GAS HEAT PUMP**  
**DF6SF – "B" SERIES**  
**15 SEER MODELS**



**IMPORTANT**

- This document is primarily intended to assist qualified individuals experienced in the proper repair or servicing of this appliance. Only factory authorized parts or accessory kits may be used with this product. Improper installation, service, adjustment, or maintenance may cause explosion, fire, electrical shock or other hazardous conditions which may result in personal injury or property damage.
- Some local codes require licensed installation / service personnel to service this type of equipment. Under no circumstances should the equipment owner attempt to install parts or service this equipment. Failure to comply with this warning could result in property damage, personal injury, or death.

## DF6SF ("B" SERIES) DUAL FUEL GAS HEAT PUMP

| ITEM | DESCRIPTION                                  | 2 TON      | 3 TON      | 4 TON      | 5 TON      |
|------|--|------------|------------|------------|------------|
|      |  | X24K-080CB | X36K-100CB | X48K-120CB | X60K-120CB |
|      |  | 920986B    | 920988B    | 920990B    | 920992B    |
| 1    | ASSY, CAP, DUCT, HORIZONTAL (NOT SHOWN)      | 283101R    | 283101R    | 283101R    | 283101R    |
| 2    | DROP-IN ORIFICE                              | 295481R    | 295481R    | 295481R    | 295481R    |
| 3    | CORE, CHARGING PORT, STD FITTING (NOT SHOWN) | 662103     | 662103     | 662103     | 662103     |
|      | CORE, CHARGING PORT, HI-FLOW (NOT SHOWN)     | 664331     | 664331     | 664331     | 664331     |
| 4    | PANEL, HEAT EX. DIVIDER, 34"                 | D05072R    | -          | -          | -          |
|      | PANEL, HEAT EX. DIVIDER, 38"                 | -          | D05075R    | -          | -          |
| 5    | BOTTOM PAN ASSY                              | D05480R    | D05480R    | D05480R    | D05481R    |
| 6    | RAIL, BASE, 47.23" LG                        | 277551R    | 277551R    | 277551R    | 277551R    |
| 7    | RAIL, BASE, 55.63" LG                        | 277552     | 277552     | 277552     | 277552     |
| 8    | DIVIDER PANEL ASSY, 34"                      | D05504R    | -          | -          | -          |
|      | DIVIDER PANEL ASSY, 38"                      | -          | M0060722R  | -          | -          |
|      | BLOWER PANEL ASSY, 42"                       | -          | -          | M0060704R  | M0060704R  |
| 9    | DUCT CAP ASSY                                | D05530R    | D05530R    | D05530R    | D05530R    |
| 10   | BLOWER PANEL ASSY, 34"                       | D05542R    | -          | -          | -          |
|      | BLOWER PANEL ASSY, 38"                       | -          | D05543R    | -          | -          |
|      | BLOWER PANEL ASSY, 42"                       | -          | -          | M0060714R  | M0060714R  |
| 11   | ASSY, SRV PNL, INSULATED, 34" LOUVERED       | 296638R    | -          | -          | -          |
|      | ASSY, SRV PNL, INSULATED, 38" LOUVERED       | -          | 296639R    | -          | -          |
|      | ASSY, SRV PNL, INSULATED, 42" LOUVERED       | -          | -          | M0060703R  | M0060703R  |
| 12   | SUPPLY PANEL ASSY, 34"                       | D05552R    | -          | -          | -          |
|      | SUPPLY PANEL ASSY, 38"                       | -          | D05557R    | -          | -          |
| 13   | RETURN PANEL ASSY, 34"                       | D05565R    | -          | -          | -          |
|      | RETURN PANEL ASSY, 38"                       | -          | D05566R    | -          | -          |
|      | RETURN PANEL ASSY, 42"                       | -          | -          | M0060707R  | M0060707R  |
| 14   | CORNER PANEL ASSY, 34"                       | D05628R    | -          | -          | -          |
|      | CORNER PANEL ASSY, 38"                       | -          | D05629R    | -          | -          |
|      | CORNER PANEL ASSY, 42"                       | -          | -          | M0060708R  | M0060708R  |
| 15   | ASSY, CLOSE-OFF PANEL, 38"                   | -          | D05683R    | -          | -          |
|      | ASSY, CLOSE-OFF PANEL, 42"                   | -          | -          | M0060710R  | M0060710R  |
| 16   | PAN, DRAIN                                   | 669190     | 669190     | 669190     | 669190     |
| 17   | POST, CORNER, 34"                            | D09996R    | -          | -          | -          |
|      | POST, CORNER, 38"                            | -          | D09997R    | -          | -          |
| 18   | PANEL, FRONT, 34"                            | 298892R    | -          | -          | -          |
|      | PANEL, FRONT, 38"                            | -          | 298893R    | -          | -          |
|      | PANEL, FRONT, 42"                            | -          | -          | 298894R    | 298894R    |
| 19   | WRAPPER, BLWR, HSG, 9/10X10                  | 297214R    | 297214R    | -          | -          |
|      | WRAPPER, BLWR, HSG, 11X10                    | -          | -          | 297219R    | 297219R    |
| 20   | WHEEL, BLOWER 10 X 10                        | 667207R    | 667207R    | 667207R    | 667207R    |
| 21   | MTR, VS, PROG, DF, 1/2HP, 15 SEER, 5.0       | M0091101R  | -          | -          | -          |
|      | MTR, VS, PROG, DF, 3/4HP, 15 SEER, 5.0       | -          | 100660511  | -          | -          |
|      | MTR, VS, PROG, DF, 1HP, 15 SEER, 5.0         | -          | -          | M0091103R  | M0091103R  |
| 22   | CONTACTOR                                    | 624712     | 624712     | 624713     | 624713     |
| 23   | TRANSFORMER 40 VA                            | 621709R    | 621709R    | 621709R    | 621709R    |

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| ITEM | DESCRIPTION                                      | 2 TON      | 3 TON      | 4 TON      | 5 TON      |
|------|--|------------|------------|------------|------------|
|      |  | X24K-080CB | X36K-100CB | X48K-120CB | X60K-120CB |
|      |  | 920986B    | 920988B    | 920990B    | 920992B    |
| 24   | CAPAC, RUN 35/5/370                              | 01-0083    | -          | -          | -          |
|      | CAPAC, RUN 40/7.5/370                            | -          | 01-0269    | -          | -          |
|      | CAPAC, RUN 30/5/370                              | -          | -          | 01-0082    | -          |
|      | CAPAC, RUN 40/7.5/440                            | -          | -          | -          | 01-0292    |
| 25   | IGNITION / BLOWER CONTROL, 2 STG, 2 SPD          | 921378     | 921378     | 921378     | 921378     |
| 26   | SWITCH, LOW PRESSURE (NOT SHOWN)                 | 632393     | 632393     | 632393     | 632393     |
| 27   | BOARD, DEMAND DEFROST W/ DELAY                   | 920806     | 920806     | 920806     | 920806     |
| 28   | DEMAND DEFROST SENSOR (NOT SHOWN)                | 624740     | 624740     | 624740     | 624740     |
| 29   | PLUG, MOLDED, LV, 2-STAGE, .25 TERMS (NOT SHOWN) | 634682     | 634682     | 634682     | 634682     |
|      | PLUG, MOLDED, HV, (NOT SHOWN)                    | 634715R    | 634715R    | 634715R    | 634715R    |
| 30   | AMBIENT SENSOR (NOT SHOWN)                       | 626551     | 626551     | 626551     | 626551     |
| 31   | EXHAUST DUCT ASSY                                | 263420R    | 263420R    | 263420R    | 263420R    |
| 32   | TOUCH UP PAINT, GREY                             | 903598     | 903598     | 903598     | 903598     |
| 33   | INDUCER MOTOR, 2 SPD, 230V                       | 921379     | 921379     | 921379     | 921379     |
| 34   | SWITCH, PRESSURE, DUAL, NO., .50"/.70"W.C.       | 632555     | 632555     | 632555     | 632555     |
| 35   | GASKET, COLLECTOR PAN                            | 689506     | 689506     | 689506     | 689506     |
| 36   | GASKET, INDUCER MOTOR MOUNTING                   | 689518     | 689518     | 689518     | 689518     |
| 37   | HEAT EXCH. PANEL ASSY, 4 TUBE                    | 100660504  | -          | -          | -          |
|      | HEAT EXCH. PANEL ASSY, 5 TUBE                    | -          | 100660507  | M0042501   | M0042501   |
| 38   | LIMIT SWITCH, MAIN AIR                           | 626484     | 1006606    | 626432     | 626432     |
| 39   | PAN, COLLECTOR ASSY, 1.25" ORIFICE               | D10326     | -          | -          | -          |
|      | PAN, COLLECTOR ASSY, 1.375" ORIFICE              | -          | D10322     | -          | -          |
|      | PAN, COLLECTOR ASSY, 1.53" ORIFICE               | -          | -          | 100653203  | 100653203  |
| 40   | BURNER ASSY, 2 STG VALVE, 4 TUBE                 | M0034105R  | -          | -          | -          |
|      | BURNER ASSY, 2 STG VALVE, 5 TUBE                 | -          | 293323R    | 293322R    | 293322R    |
| 41   | BRACKET, EXT. SERV PT                            | 298552R    | 298552R    | 298552R    | 298552R    |
| 42   | LIMIT SWITCH, 320° F FLAME ROLLOUT               | 626547     | 626547     | 626547     | 626547     |
| 43   | SENSOR, FLAME                                    | 632396     | 632396     | 632396     | 632396     |
| 44   | BURNER, INSHOT                                   | 660812     | 660812     | 660812     | 660812     |
| 45   | REPL. HAIL GUARD KIT (NOT SHOWN)                 | 921213     | 921213     | 921213     | 921213     |
| 46   | ORIFICE, MAIN BURNER, #43 DRILL (NOT SHOWN)      | -          | -          | 661043     | 661043     |
|      | ORIFICE, MAIN BURNER, #45 DRILL (NOT SHOWN)      | 661045     | 661045     | -          | -          |
| 47   | MANIFOLD, GAS, 4 BURNER                          | 664304     | -          | -          | -          |
|      | MANIFOLD, GAS, 5 BURNER                          | -          | 664305     | 664305     | 664305     |
| 48   | DRIER, FILTER, BIFLOW                            | 669762     | 669762     | 669762     | 669762     |
| 49   | COVER, EXHAUST VENT                              | 265240R    | 265240R    | 265240R    | 265240R    |
| 50   | SUPPORT, COIL, 38"                               | -          | 263395     | -          | -          |
|      | SUPPORT, COIL, 42"                               | -          | -          | 263396     | 263396     |
| 51   | COIL, INDOOR                                     | 283091R    | D06255R    | 2B3721R    | 2B4001R    |
| 52   | TXV, INDOOR                                      | 664343     | 664346     | 664348     | 664275     |

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| ITEM | DESCRIPTION                                       | 2 TON      | 3 TON      | 4 TON      | 5 TON      |
|------|---|------------|------------|------------|------------|
|      |   | X24K-080CB | X36K-100CB | X48K-120CB | X60K-120CB |
|      |   | 920986B    | 920988B    | 920990B    | 920992B    |
| 53   | COMP, COPE,ZPS20K5E-PFV-230                       | 921844     | -          | -          | -          |
|      | COMP, COPE,ZPS30K5E-PFV-230                       | -          | 921769     | -          | -          |
|      | COMP, COPE,ZPS40K5E-PFV-230                       | -          | -          | 921659     | -          |
|      | COMP, COPE,ZPS49K5E-PFV-230                       | -          | -          | -          | 921793     |
| 54   | SWITCH, HIGH PRESSURE, AUTO RESET (NOT SHOWN)     | 632401     | 632401     | 632401     | 632401     |
| 55   | SERVICE PORT                                      | 664696     | 664696     | 664696     | 664696     |
| 56   | CORE, PORT, HI, FLOW, BRASS (NOT SHOWN)           | 664331     | 664331     | 664331     | 664331     |
| 57   | GAS VALVE, 2-STAGE, NAT. GAS ONLY*                | 921691     | 921691     | 921691     | 921691     |
|      | GAS VALVE, 2-STAGE, W/ LP REGULATOR SPRINGS*      | 921691     | 921691     | 921691     | 921691     |
| 58   | GROMMET, COMPRESSOR, SCROLL (NOT SHOWN)           | 668530     | 668530     | 668530     | 668530     |
| 59   | COMPRESSOR SOUND BLANKET (NOT SHOWN)              | 689792     | 689792     | 689792     | 689793     |
| 60   | COIL, OUTDOOR                                     | D06262R    | 2B3941R    | 2B3711R    | 2B5011R    |
| 61   | ONE-PIECE TOP PAN                                 | M0034722   | M0034722   | M0034722   | -          |
| 62   | MOTOR, OUTDOOR FAN, ECM                           | -          | 922028     | 922028     | -          |
|      | CONTROLLER, FAN MOTOR                             | -          | 622469     | 622469     | -          |
|      | MOTOR, OUTDOOR FAN                                | 622171     | -          | -          | 622066     |
| 63   | FAN, BLADE  | 667357     | 667351     | 667351     | 667351     |
| 64   | FAN, GRILLE, 24"                                  | 669335     | 669335     | 669335     | 669335     |
| 65   | BRACKET, AMBIENT (NOT SHOWN)                      | 296585R    | 296585R    | 296585R    | 296585R    |
| 67   | GUARD, COIL (FORMED)                              | 2A8453R    | 2A8454R    | 2B4611R    | 2B4871R    |
| 68   | IGNITOR   | 903179     | 903179     | 903179     | 903179     |
| 69   | PANEL, BLOWER DISCHARGE, 34"                      | 281493     | -          | -          | -          |
|      | PANEL, BLOWER DISCHARGE, 38"                      | -          | 281494     | -          | -          |
|      | PANEL, BLOWER DISCHARGE, 42"                      | -          | -          | 281495     | 281495     |
| 70   | CHANNEL, DRAIN (NOT AVAILABLE W/ 1 PIECE TOP PAN) | 279722R    | 279722R    | 279722R    | 279722R    |
| 71   | ACCESS FITTING                                    | 663812     | 663812     | 663812     | 663812     |
| 72   | COVER, HEADER, 34"                                | M0034205R  | -          | -          | -          |
|      | COVER, HEADER, 38"                                | -          | M0034214R  | -          | -          |
|      | COVER, HEADER, 42"                                | -          | -          | M0034209R  | M0034209R  |
| 73   | DOOR, ACCESS, 34"                                 | 296633R    | -          | -          | -          |
|      | DOOR, ACCESS, 38"                                 | -          | 296648R    | -          | -          |
|      | DOOR, ACCESS, 42"                                 | -          | -          | M0034208R  | M0034216R  |
| 74   | TXV, OUTDOOR                                      | 664344     | 664344     | 664348     | 664348     |
| 75   | CONTROL BRACKET                                   | 298591     | 298591     | 298591     | 298591     |
| 76   | TERMINAL BOARD, LOW VOLTAGE                       | 632694     | 632694     | 632694     | 632694     |
| 77   | REVERSING VALVE (NOT SHOWN)                       | 669465     | -          | -          | -          |
| 78   | REVERSING VALVE COIL (NOT SHOWN)                  | 669472     | -          | -          | -          |
| 69   | REVERSING VALVE KIT (NOT SHOWN)                   | -          | M0079102   | M0079102   | M0079102   |

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\*Gas valve kit includes necessary wiring harness for field replacement of gas valve P/N 624652 where applicable.

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| ITEM | DESCRIPTION                                       | 2 TON      | 3 TON      | 4 TON      | 5 TON      |
|------|---|------------|------------|------------|------------|
|      |   | X24K-080CB | X36K-100CB | X48K-120CB | X60K-120CB |
|      |   | 920986B    | 920988B    | 920990B    | 920992B    |
| 69   | GUARD, COIL (FORMED)                              | 2A8453R    | 2A8454R    | 2B4611R    | 2B4871R    |
| 70   | COMPRESSOR BOLTS (NOT SHOWN)                      | 600400     | 600400     | 600400     | 600400     |
| 71   | IGNITOR   | 903179     | 903179     | 903179     | 903179     |
| 72   | PANEL, BLOWER DISCHARGE, 34"                      | 281493     | -          | -          | -          |
|      | PANEL, BLOWER DISCHARGE, 38"                      | -          | 281494     | -          | -          |
|      | PANEL, BLOWER DISCHARGE, 42"                      | -          | -          | 281495     | 281495     |
| 73   | BLOWER SHELF                                      | 283932     | 283932     | 283932     | 283932     |
| 74   | DIVIDER PANEL BRACKET                             | 2B8241     | 2B8241     | 2B8241     | 2B8241     |
| 75   | CHANNEL, DRAIN (NOT AVAILABLE W/ 1 PIECE TOP PAN) | 279722R    | 279722R    | 279722R    | 279722R    |
| 77   | ACCESS FITTING                                    | 663812     | 663812     | 663812     | 663812     |
| 78   | COVER, HEADER, 34"                                | M0034205R  | -          | -          | -          |
|      | COVER, HEADER, 38"                                | -          | M0034214R  | -          | -          |
|      | COVER, HEADER, 42"                                | -          | -          | M0034209R  | M0034209R  |
| 79   | DOOR, ACCESS, 34"                                 | 296633R    | -          | -          | -          |
|      | DOOR, ACCESS, 38"                                 | -          | 296648R    | -          | -          |
|      | DOOR, ACCESS, 42"                                 | -          | -          | M0034208R  | M0034216R  |
| 80   | TXV, OUTDOOR                                      | 664344     | 664344     | 664348     | 664348     |
| 81   | CONTROL BRACKET                                   | 298591     | 298591     | 298591     | 298591     |
| 82   | TERMINAL BOARD, LOW VOLTAGE                       | 632475     | 632475     | 632475     | 632475     |
| 83   | REVERSING VALVE (NOT SHOWN)                       | 669465     | -          | -          | -          |
| 84   | REVERSING VALVE COIL (NOT SHOWN)                  | 669472     | -          | -          | -          |
| 85   | REVERSING VALVE KIT (NOT SHOWN)                   | -          | M0079101R  | M0079101R  | M0079101R  |

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