

INSTALLATION INSTRUCTIONS

HIGH AIRFLOW BLOWER KIT FOR COOLING AIRFLOW

This kit is intended to provide increased airflow over the factory installed E7 blower assembly.

IMPORTANT SAFETY INFORMATION

INSTALLER: Please read all instructions before servicing this equipment. Pay attention to all safety warnings and any other special notes highlighted in the manual. Safety markings are used frequently throughout this manual to designate a degree or level of seriousness and should not be ignored. **WARNING** - Indicates a potentially hazardous situation that if not avoided, could result in personal injury or death.



WARNING:

ELECTRICAL SHOCK, FIRE OR EXPLOSION HAZARD

Failure to follow safety warnings exactly could result in serious injury or property damage.

Improper servicing could result in dangerous operation, serious injury, death or property damage.

- Before servicing, disconnect all electrical power to furnace.
- When servicing controls, label all wires prior to disconnecting. Reconnect wires correctly.
- Verify proper operation after servicing.

1. Disconnect all power to the unit and remove the door.
2. Remove the left access panel, and disconnect the motor power and signal wires from the control board.
3. Remove the 4 screws securing the blower housing and slide the assembly out of the unit.
4. Install the new assembly in the same location while making sure the housing flanges slide underneath the blower deck tabs.
5. Route the motor power and signal wires to the board and connect them according to the existing wiring diagram.
6. Adjust the HEAT and COOL dipswitch settings for the desired airflow.
7. Reinstall access panel and door and restore power to the unit.

DIP SWITCH SETTING				EXTERNAL STATIC PRESSURE (IN W.C.)									
1/4	2/5	3/7	4/8	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
0	0	0	0	-	-	-	-	-	-	-	-	-	-
1	0	0	0	-	-	-	-	-	-	-	-	-	-
0	1	0	0	-	-	-	-	-	-	-	-	-	-
1	1	0	0	-	-	-	-	-	-	-	-	-	-
0	0	1	0	-	-	-	-	-	-	-	-	-	-
1	0	1	0	1203	-	-	-	-	-	-	-	-	-
0	1	1	0	1308	1265	1225	-	-	-	-	-	-	-
1	1	1	0	1399	1359	1318	1278	1237	-	-	-	-	-
0	0	0	1	1485	1440	1405	1362	1318	1278	1241	-	-	-
1	0	0	1	1544	1507	1470	1434	1397	1360	1323	1287	1250	1213
0	1	0	1	1639	1606	1566	1526	1491	1453	1420	1381	1338	1296
1	1	0	1	1696	1659	1623	1586	1549	1512	1476	1439	1402	1365
0	0	1	1	1756	1714	1680	1647	1613	1575	1540	1499	1460	1420
1	0	1	1	1802	1767	1731	1695	1660	1624	1588	1553	1517	1481
0	1	1	1	1850	1817	1782	1751	1715	1676	1641	1606	1569	1524
1	1	1	1	1898	1865	1829	1795	1760	1724	1690	1657	1622	1584

NOTES:

1. Airflow values were measured with 23kW heater kit and clean factory air filter installed, and no cooling coil cabinet attached.
2. If using 15kW or 17 kW of electric heat, add 50 cfm to these values. If using 10kW or 12kW, add 100 cfm to these values.
3. Pressure drop of clean factory air filter is 0.08 inch W.C.

Table 1. Dipswitch Settings and Airflow Data

Model Number							Single Circuit			
	Circuit A			Circuit B			208V		240V	
	MCA	MOP	MOP Breaker	MCA	MOP	MOP Breaker	Rated MCA	Rated MOP	Rated MCA	Rated MOP
E7E*-010H2	59	53.8	40	-	-	-	51.8	60	59	70
E7E*-012H2	37	36.3	60	30	24.2	30	59.0	80	67	90
E7E*-015H2	59	53.8	60	26	20.8	35	74.4	80	85	100
E7E*-017H2	56	45.0	60	35	34.7	60	79.8	100	91	125
E7E*-020H2	59	53.8	60	52	41.7	60	96.9	110	111	125
E7E*-023H2	59	53.8	20	60	48.3	20	104.1	20	119	20

Table 2. E7 Furnace with High Airflow Blower Kit Electrical Data

