

SINGLE-STAGE, 9-SPEED

ECM GAS FURNACES

80% AFUE

HEATING INPUT: 40,000 – 120,000 BTU/H



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■ Standard Features

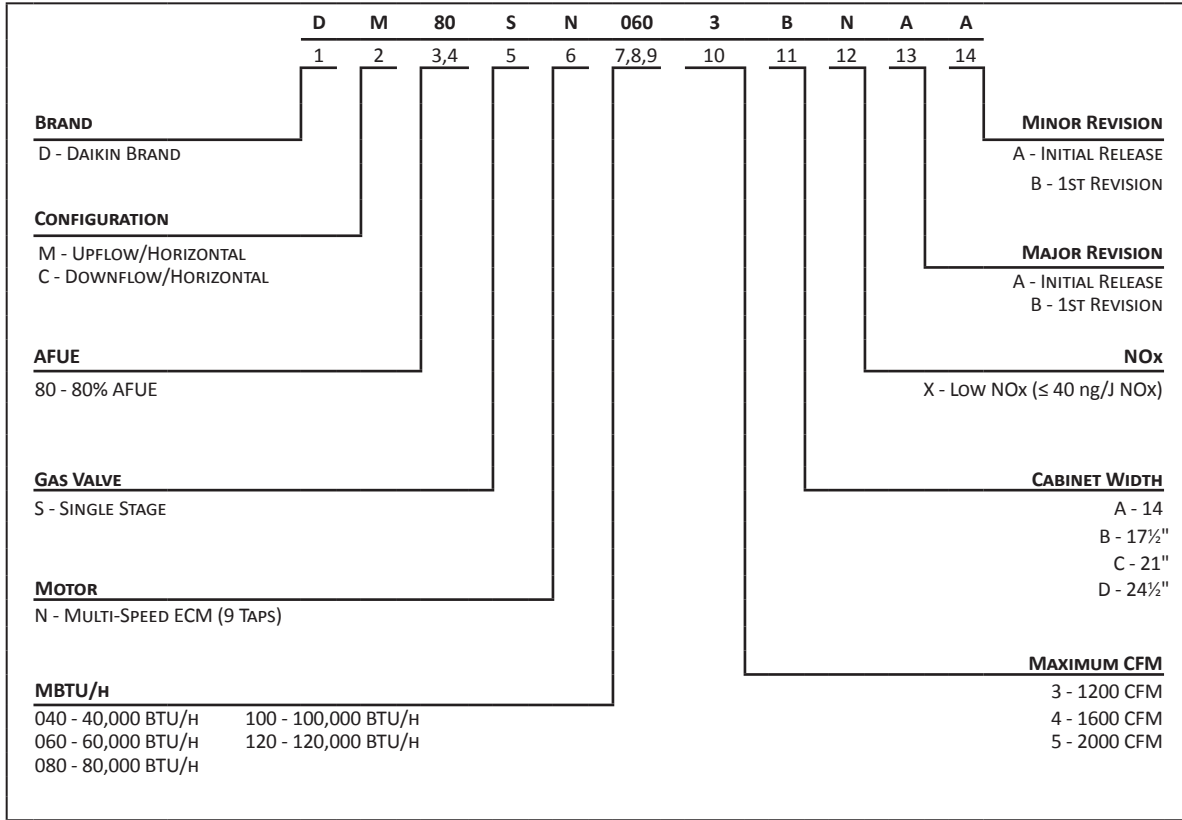
- Heavy-duty stainless-steel, dual-diameter tubular heat exchanger
- Single-stage gas valve
- Durable Hot-surface igniter
- Quiet, single-speed draft inducer
- Self-diagnostic control board with constant memory fault history output to a 3-digit 7 segment LED display and push buttons
- Color-coded low-voltage terminals
- Energy-efficient multi-speed (9-speed tap) ECM blower motor
- Multiple continuous fan speed options offer quiet air circulation
- AHRI Certified; ETL Listed
- All models comply with CA Low NOx standards
- Can not be installed in California’s South Coast Air Quality Management District (SCAQMD) and San Joaquin Valley Air Pollution Control District (SJVAPCD).

■ Cabinet Features

- Multi-position installation:
DM80SN: upflow, horizontal left or right
DC80SN: downflow, horizontal left or right
- Convenient left or right connection for gas and electrical service
- Cabinet air leakage (Q_{Leak}) \leq 2%
- Heavy-gauge steel cabinet with durable baked-enamel finish
- Foil faced insulated heat exchanger



* Complete warranty details available from your local dealer or at www.daikincomfort.com. To receive the Lifetime Heat Exchanger Limited Warranty (good for as long as you own your home), the 6-Year Unit Replacement Limited Warranty and the 12-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Additional requirements for annual maintenance are required for the Unit Replacement Limited Warranty. Online registration and some of the additional requirements are not required in California or Quebec.



	DM80SN 0403A*A	DM80SN 0603A*A	DM80SN 0604B*A	DM80SN 0803B*A	DM80SN 0804B*A	DM80SN 0805C*A	DM80SN 1005C*A	DM80SN 1205D*A
HEATING CAPACITY								
Input ¹	40,000	60,000	60,000	80,000	80,000	80,000	100,000	120,000
Natural Gas Output ¹	32,000	48,000	48,000	64,000	64,000	64,000	80,000	96,000
LP Gas Output ¹	32,000	48,000	48,000	64,000	64,000	64,000	80,000	96,000
AFUE ²	80	80	80	80	80	80	80	80
Available AC @ 0.5" ESP	3	3	4	4	4	5	5	5
Temperature Rise Range (°F)	25- 55	20- 50	20- 50	35- 65	35- 65	35- 65	35- 65	40- 70
CIRCULATOR BLOWER								
Size (D x W)	10" x 6"	10" x 6"	10" x 8"	10" x 8"	10" x 8"	10" x 10"	10" x 10"	11" x 10"
Horsepower @1075 RPM	½	½	¾	½	¾	¾	¾	1
No. of Speeds	9	9	9	9	9	9	9	9
Vent Diameter ³	4"	4"	4"	4"	4"	4"	4"	4"
No. of Burners	2	3	3	4	4	4	5	6
ELECTRICAL DATA								
Min. Circuit Ampacity ⁴	8.7	8.7	12.5	8.7	12.5	12.5	12.5	15.3
Max. Overcurrent Device (amps) ⁵	15	15	15	15	15	15	15	20
SHIP WEIGHT (LBS)								
	86	90	100	108	108	116	120	132

¹ Natural Gas BTU/h; for altitudes 0-4500' above sea level, reduce input rating by 4% for each 1000' above 4500' altitude.

² DOE AFUE based upon Isolated Combustion System (ICS)

³ Vent and combustion air diameters may vary depending upon vent length. Refer to the latest editions of the National Fuel Gas Code NFPA 54/ANSI Z223.1 (in the USA) and the Canada National Standard of Canada, CAN/CSA B149.1 and CAN/CSA B142.2 (in Canada).

⁴ Minimum Circuit Ampacity = (1.25 x Circulator Blower Amps) + ID Blower amps. Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

⁵ Maximum Overcurrent Protection Device refers to maximum recommended fuse or circuit breaker size. May use fuses or HACR-type circuit breakers of the same size as noted.

NOTES

- All furnaces are manufactured for use on 115 VAC, 60 Hz, single-phase electrical supply.
- Gas Service Connection ½" FPT
- Important: Size fuses and wires properly and make electrical connections in accordance with the National Electrical Code and/or all existing local codes.

	DC80SN 0403A*A	DC80SN 0603A*A	DC80SN 0804B*A	DC80SN 1005C*A
HEATING CAPACITY				
Input ¹	40,000	60,000	80,000	100,000
Natural Gas Output ¹	32,000	48,000	64,000	80,000
LP Gas Output ¹	32,000	48,000	64,000	80,000
AFUE ²	80	80	80	80
Available AC @ 0.5" ESP	3	3	4	5
Temperature Rise Range (°F)	25- 55	30-60	35-65	40- 70
CIRCULATOR BLOWER				
Size (D x W)	10" x 6"	10" x 6"	10" x 8"	10" x 10"
Horsepower @1075 RPM	½	½	½	¾
No. of Speeds	9	9	9	9
Vent Diameter ³	4"	4"	4"	4"
No. of Burners	2	3	4	5
ELECTRICAL DATA				
Min. Circuit Ampacity ⁴	8.7	8.7	12.45	15.3
Max. Overcurrent Device (amps) ⁵	15	15	15	20
SHIP WEIGHT (LBS)	90	94	107	115

¹ Natural Gas BTU/h; for altitudes 0-4500' above sea level, reduce input rating by 4% for each 1000' above 4500' altitude.

² DOE AFUE based upon Isolated Combustion System (ICS)

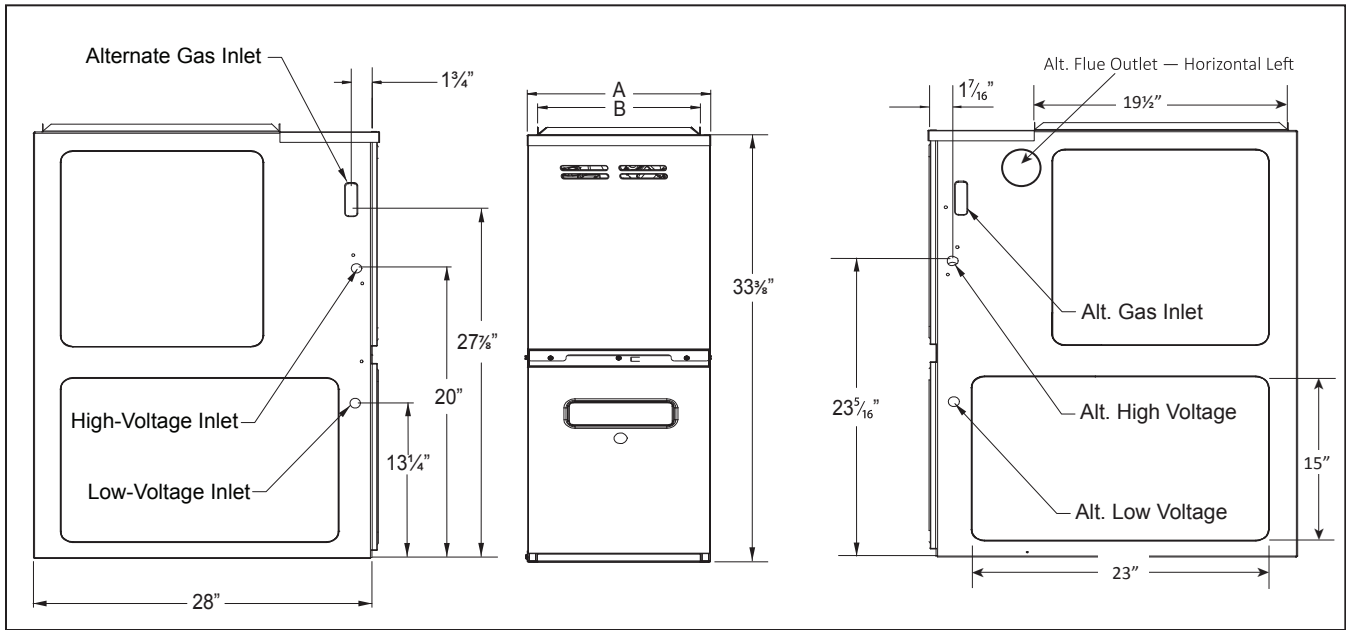
³ Vent and combustion air diameters may vary depending upon vent length. Refer to the latest editions of the National Fuel Gas Code NFPA 54/ANSI Z223.1 (in the USA) and the Canada National Standard of Canada, CAN/CSA B149.1 and CAN/CSA B142.2 (in Canada).

⁴ Minimum Circuit Ampacity = (1.25 x Circulator Blower Amps) + ID Blower amps. Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

⁵ Maximum Overcurrent Protection Device refers to maximum recommended fuse or circuit breaker size. May use fuses or HACR-type circuit breakers of the same size as noted.

NOTES

- All furnaces are manufactured for use on 115 VAC, 60 Hz, single-phase electrical supply.
- Gas Service Connection ½" FPT
- Important: Size fuses and wires properly and make electrical connections in accordance with the National Electrical Code and/or all existing local codes.



MODEL	A	B
DM80SN0403A*A	14"	12 1/2"
DM80SN0603A*A	14"	12 1/2"
DM80SN0604B*A	17 1/2"	16"
DM80SN0804B*A	17 1/2"	16"

MODEL	A	B
DM80SN0805C*A	21"	19 1/2"
DM80SN1005C*A	21"	19 1/2"
DM80SN1205D*A	24 1/2"	23"

NOTES

- Line voltage wiring can enter through the right or left side of furnace. Low-voltage wiring can enter through the right or left side of furnace.
- Conversion kits for high-altitude (5500+ ft) natural gas operation are available.
- Installer must supply the following gas line fittings, according to which entrance is used:
 Left: One 90° street elbow; one 2 1/2" pipe nipple; one 90° elbow; straight pipe; one ground joint union
 Right: Straight pipe to reach gas valve

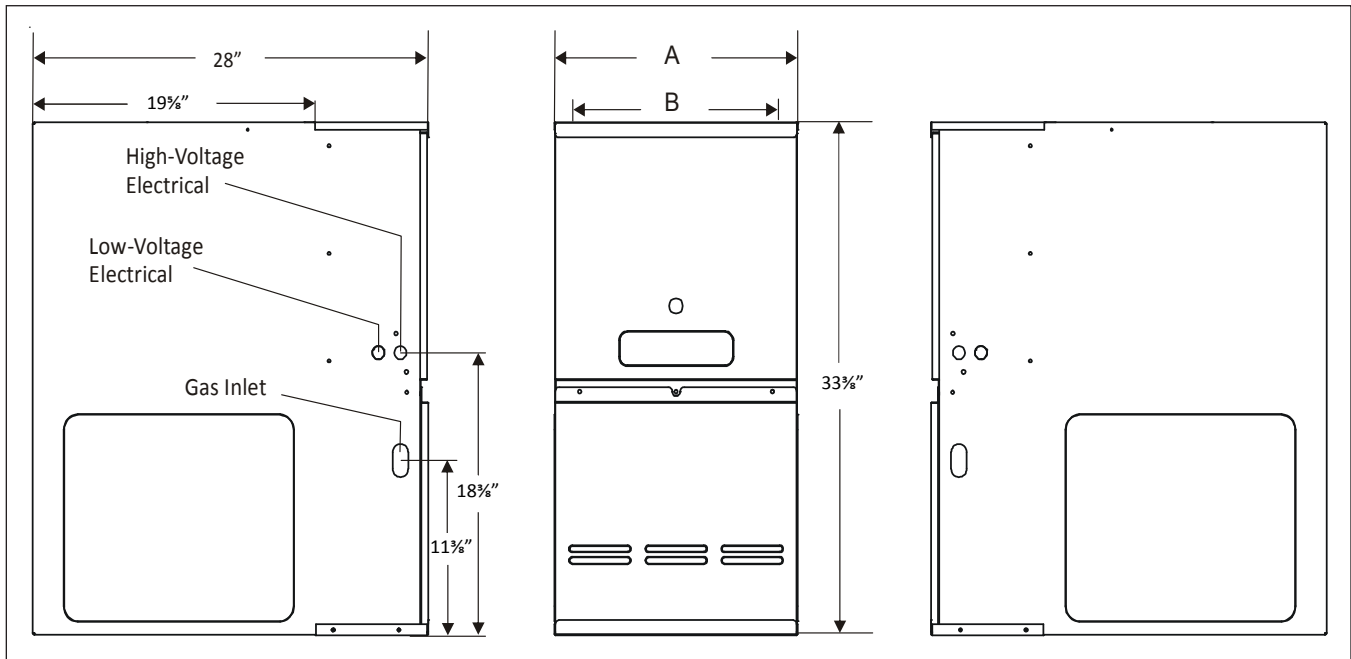
MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS

SIDES	REAR	FRONT	BOTTOM	VENT		TOP
				SW	B	
1"	0"	3"	C	6"	1"	1"

C = If placed on combustible floor, the floor MUST be wood ONLY.

NOTES

- For servicing or cleaning, a 24" front clearance is recommended.
- Unit connections (electrical, flue, and drain) may necessitate greater clearances than the minimum clearances listed above.
- In all cases, accessibility clearance must take precedence over clearances from the enclosure where accessibility clearances are greater.
- Refer to the appropriate USA and Canadian codes:
 - In the USA: the National Fuel Gas Code NFPA 54 / ANSI Z223.1
 - In Canada: the Canada National Standard of Canada, CAN/CSA B149.1 and CAN/CSA B142.2



MODEL	A	B
DC80SN0403A*A	14"	12 1/2"
DC80SN0603A*A	14"	12 1/2"
DC80SN0804B*A	17 1/2"	16"
DC80SN1005C*A	21"	19 1/2"

NOTES

- Line voltage wiring can enter through the right or left side of furnace. Low-voltage wiring can enter through the right or left side of furnace.
- Conversion kits for high-altitude (4500+ Ft.) natural gas operation are available. Contact your Daikin distributor or dealer for details.
- Installer must supply the following gas line fittings, according to which entrance is used: Left: One 90° street elbow; one 2 1/2" pipe nipple; one 90° elbow; straight pipe; one ground joint union Right: Straight pipe to reach gas valve

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS

SIDES	REAR	FRONT ¹	VENT ²		TOP
			SW	B	
1"	0"	3"	6"	1"	1"

¹ 24" clearance for serviceability recommended.

² Single Wall Vent (SW) to be used only as a connector. Refer to the latest editions of the National Fuel Gas Code NFPA 54/ ANSI Z223.1 (in the USA) and the Canada National Standard of Canada, CAN/CSA B149.1 and CAN/CSA B142.2 (in Canada).

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)							
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
			CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
DM80SN 0403A*	Y/Y1	F01	658	585	545	495	444	390	332	151
		F02	749	697	652	607	554	509	459	406
		F03	925	881	840	800	760	721	681	645
		F04^	882	841	800	760	719	678	641	602
		F05	1330	1295	1273	1251	1223	1195	1168	1142
		F06	1130	1090	1059	1022	991	957	926	895
		F07	1158	1113	1090	1057	1024	996	964	935
		F08	1270	1235	1208	1179	1147	1119	1088	1060
		F09	1417	1380	1359	1336	1314	1288	1261	1238
DM80SN 0603A*	Y/Y1	F01	659	599	542	490	437	383	320	N/A
		F02	1268	1221	1188	1154	1122	1091	1060	1029
		F03	1087	1044	1008	973	938	905	871	841
		F04^	1118	1070	1033	997	963	929	896	865
		F05	1308	1262	1224	1197	1167	1141	1117	1089
		F06	868	823	780	741	699	662	624	584
		F07	922	877	835	795	757	718	679	642
		F08	1382	1341	1311	1291	1263	1234	1206	1177
		F09	1492	1448	1409	1381	1354	1332	1310	1288
DM80SN 0604B*	Y/Y1	F01	764	695	630	559	485	415	358	N/A
		F02	1287	1235	1191	1147	1104	1062	1020	979
		F03	1339	1301	1258	1217	1174	1131	1090	1048
		F04^	1396	1346	1298	1257	1217	1175	1135	1098
		F05	1185	1135	1088	1040	992	947	901	855
		F06	1500	N/A	N/A	N/A	N/A	1294	1256	1219
		F07	1591	1539	1493	1454	1416	1379	1347	1311
		F08	1675	1622	1583	1545	1510	1474	1440	1402
		F09	1790	1741	1701	1668	1631	1599	1567	1532
DM80SN 0803B*	Y/Y1	F01	710	646	580	515	432	367	314	274
		F02	1298	1255	1216	1178	1140	1102	1067	1028
		F03	1209	1166	1124	1083	1045	1005	964	923
		F04^	1138	1091	1045	1001	959	920	876	832
		F05	1391	1352	1314	1278	1241	1209	1175	1140
		F06	977	931	880	836	785	734	683	626
		F07	1036	985	940	895	848	799	751	705
		F08	1456	1414	1376	1341	1302	1270	1238	1200
		F09	1533	1488	1452	1415	1383	1350	1317	1286
DM80SN 0804B*	Y/Y1	F01	841	657	595	522	439	367	315	N/A
		F02	1141	1089	1045	1001	958	914	869	823
		F03	1311	1267	1226	1189	1150	1114	1072	1034
		F04^	1395	1347	1309	1270	1233	1199	1164	1125
		F05	1490	1447	1407	1373	1336	1303	1269	1237
		F06	1553	1510	1469	1435	1401	1368	1335	1300
		F07	1593	1548	1508	1474	1440	1409	1376	1343
		F08	1776	1735	1695	1661	1628	1601	1570	1542
		F09	1853	1812	1773	1739	1708	1679	1650	1623

See Note on page 8

DM80SN AIRFLOW DATA – LOW STAGE COOLING (CONT.)

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)							
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
			CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
DM80SN 0805C*	Y/Y1	F01	837	752	671	576	501	426	361	315
		F02	1316	1270	1218	1166	1114	1061	1000	962
		F03	1353	1323	1286	1235	1183	1131	1085	1040
		F04^	1587	1544	1506	1459	1416	1372	1323	1281
		F05	1731	1673	1632	1587	1546	1506	1463	1421
		F06	1794	1744	1709	1671	1632	1591	1555	1513
		F07	1861	1805	1761	1720	1681	1642	1603	1565
		F08	1910	1873	1839	1798	1761	1723	1686	1648
		F09	2110	2055	2035	2003	1973	1946	1907	1890
DM80SN 1005C*	Y/Y1	F01	802	724	637	551	468	389	342	294
		F02	1405	1356	1308	1262	1210	1182	1155	1102
		F03	1574	1531	1484	1440	1392	1357	1306	1256
		F04^	1619	1575	1526	1489	1446	1404	1355	1313
		F05	1688	1641	1600	1557	1513	1477	1428	1381
		F06	1811	1769	1730	1686	1649	1610	1572	1525
		F07	1857	1812	1774	1733	1697	1662	1622	1586
		F08	1892	1850	1805	1774	1735	1692	1658	1621
		F09	2116	2073	2039	2005	1981	1945	1909	1879
DM80SN 1205D*	Y/Y1	F01	851	774	692	615	535	470	411	359
		F02	1677	1629	1583	1540	1498	1449	1399	1349
		F03	1537	1489	1444	1404	1365	1322	1272	1211
		F04^	1416	1365	1315	1267	1220	1163	1106	1048
		F05	1154	1098	1043	983	932	874	819	755
		F06	1806	1764	1729	1688	1654	1615	1578	1535
		F07	1869	1816	1773	1731	1693	1661	1629	1589
		F08	1947	1903	1865	1833	1802	1769	1743	1708
		F09	2107	2066	2030	1996	1963	1932	1899	1867

Note: ^ Default Speed

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)							
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
			CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
DM80SN 0403A*	Y2	F01	658	585	545	495	444	390	332	151
		F02	749	697	652	607	554	509	459	406
		F03	925	881	840	800	760	721	681	645
		F04	882	841	800	760	719	678	641	602
		F05^	1330	1295	1273	1251	1223	1195	1168	1142
		F06	1130	1090	1059	1022	991	957	926	895
		F07	1158	1113	1090	1057	1024	996	964	935
		F08	1270	1235	1208	1179	1147	1119	1088	1060
		F09	1417	1380	1359	1336	1314	1288	1261	1238
DM80SN 0603A*	Y2	F01	659	599	542	490	437	383	320	N/A
		F02	1268	1221	1188	1154	1122	1091	1060	1029
		F03	1087	1044	1008	973	938	905	871	841
		F04	1118	1070	1033	997	963	929	896	865
		F05^	1308	1262	1224	1197	1167	1141	1117	1089
		F06	868	823	780	741	699	662	624	584
		F07	922	877	835	795	757	718	679	642
		F08	1382	1341	1311	1291	1263	1234	1206	1177
		F09	1492	1448	1409	1381	1354	1332	1310	1288
DM80SN 0604B*	Y2	F01	764	695	630	559	485	415	358	N/A
		F02	1287	1235	1191	1147	1104	1062	1020	979
		F03	1339	1301	1258	1217	1174	1131	1090	1048
		F04	1396	1346	1298	1257	1217	1175	1135	1098
		F05^	1185	1135	1088	1040	992	947	901	855
		F06	1500	N/A	N/A	N/A	N/A	1294	1256	1219
		F07	1591	1539	1493	1454	1416	1379	1347	1311
		F08	1675	1622	1583	1545	1510	1474	1440	1402
		F09	1790	1741	1701	1668	1631	1599	1567	1532
DM80SN 0803B*	Y2	F01	710	646	580	515	432	367	314	274
		F02	1298	1255	1216	1178	1140	1102	1067	1028
		F03	1209	1166	1124	1083	1045	1005	964	923
		F04	1138	1091	1045	1001	959	920	876	832
		F05^	1391	1352	1314	1278	1241	1209	1175	1140
		F06	977	931	880	836	785	734	683	626
		F07	1036	985	940	895	848	799	751	705
		F08	1456	1414	1376	1341	1302	1270	1238	1200
		F09	1533	1488	1452	1415	1383	1350	1317	1286
DM80SN 0804B*	Y2	F01	841	657	595	522	439	367	315	N/A
		F02	1141	1089	1045	1001	958	914	869	823
		F03	1311	1267	1226	1189	1150	1114	1072	1034
		F04	1395	1347	1309	1270	1233	1199	1164	1125
		F05^	1490	1447	1407	1373	1336	1303	1269	1237
		F06	1553	1510	1469	1435	1401	1368	1335	1300
		F07	1593	1548	1508	1474	1440	1409	1376	1343
		F08	1776	1735	1695	1661	1628	1601	1570	1542
		F09	1853	1812	1773	1739	1708	1679	1650	1623

See Note on page 10

DM80SN AIRFLOW DATA – HIGH STAGE COOLING (CONT.)

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)							
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
			CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
DM80SN 0805C*	Y2	F01	837	752	671	576	501	426	361	315
		F02	1316	1270	1218	1166	1114	1061	1000	962
		F03	1353	1323	1286	1235	1183	1131	1085	1040
		F04	1587	1544	1506	1459	1416	1372	1323	1281
		F05^	1731	1673	1632	1587	1546	1506	1463	1421
		F06	1794	1744	1709	1671	1632	1591	1555	1513
		F07	1861	1805	1761	1720	1681	1642	1603	1565
		F08	1910	1873	1839	1798	1761	1723	1686	1648
		F09	2110	2055	2035	2003	1973	1946	1907	1890
DM80SN 1005C*	Y2	F01	802	724	637	551	468	389	342	294
		F02	1405	1356	1308	1262	1210	1182	1155	1102
		F03	1574	1531	1484	1440	1392	1357	1306	1256
		F04	1619	1575	1526	1489	1446	1404	1355	1313
		F05^	1688	1641	1600	1557	1513	1477	1428	1381
		F06	1811	1769	1730	1686	1649	1610	1572	1525
		F07	1857	1812	1774	1733	1697	1662	1622	1586
		F08	1892	1850	1805	1774	1735	1692	1658	1621
		F09	2116	2073	2039	2005	1981	1945	1909	1879
DM80SN 1205D*	Y2	F01	851	774	692	615	535	470	411	359
		F02	1677	1629	1583	1540	1498	1449	1399	1349
		F03	1537	1489	1444	1404	1365	1322	1272	1211
		F04	1416	1365	1315	1267	1220	1163	1106	1048
		F05^	1154	1098	1043	983	932	874	819	755
		F06	1806	1764	1729	1688	1654	1615	1578	1535
		F07	1869	1816	1773	1731	1693	1661	1629	1589
		F08	1947	1903	1865	1833	1802	1769	1743	1708
		F09	2107	2066	2030	1996	1963	1932	1899	1867

Note: ^ Default Speed

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)							
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
			CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
DM80SN 0403A*	G	F01	658	585	545	495	444	390	332	151
		F02	749	697	652	607	554	509	459	406
		F03	925	881	840	800	760	721	681	645
		F04	882	841	800	760	719	678	641	602
		F05	1330	1295	1273	1251	1223	1195	1168	1142
		F06	1130	1090	1059	1022	991	957	926	895
		F07	1158	1113	1090	1057	1024	996	964	935
		F08	1270	1235	1208	1179	1147	1119	1088	1060
		F09	1417	1380	1359	1336	1314	1288	1261	1238
DM80SN 0603A*	G	F01	659	599	542	490	437	383	320	N/A
		F02	1268	1221	1188	1154	1122	1091	1060	1029
		F03	1087	1044	1008	973	938	905	871	841
		F04	1118	1070	1033	997	963	929	896	865
		F05	1308	1262	1224	1197	1167	1141	1117	1089
		F06	868	823	780	741	699	662	624	584
		F07	922	877	835	795	757	718	679	642
		F08	1382	1341	1311	1291	1263	1234	1206	1177
		F09	1492	1448	1409	1381	1354	1332	1310	1288
DM80SN 0604B*	G	F01	764	695	630	559	485	415	358	N/A
		F02	1287	1235	1191	1147	1104	1062	1020	979
		F03	1339	1301	1258	1217	1174	1131	1090	1048
		F04	1396	1346	1298	1257	1217	1175	1135	1098
		F05	1185	1135	1088	1040	992	947	901	855
		F06	1500	N/A	N/A	N/A	N/A	1294	1256	1219
		F07	1591	1539	1493	1454	1416	1379	1347	1311
		F08	1675	1622	1583	1545	1510	1474	1440	1402
		F09	1790	1741	1701	1668	1631	1599	1567	1532
DM80SN 0803B*	G	F01	710	646	580	515	432	367	314	274
		F02	1298	1255	1216	1178	1140	1102	1067	1028
		F03	1209	1166	1124	1083	1045	1005	964	923
		F04	1138	1091	1045	1001	959	920	876	832
		F05	1391	1352	1314	1278	1241	1209	1175	1140
		F06	977	931	880	836	785	734	683	626
		F07	1036	985	940	895	848	799	751	705
		F08	1456	1414	1376	1341	1302	1270	1238	1200
		F09	1533	1488	1452	1415	1383	1350	1317	1286
DM80SN 0804B*	G	F01	841	657	595	522	439	367	315	N/A
		F02	1141	1089	1045	1001	958	914	869	823
		F03	1311	1267	1226	1189	1150	1114	1072	1034
		F04	1395	1347	1309	1270	1233	1199	1164	1125
		F05	1490	1447	1407	1373	1336	1303	1269	1237
		F06	1553	1510	1469	1435	1401	1368	1335	1300
		F07	1593	1548	1508	1474	1440	1409	1376	1343
		F08	1776	1735	1695	1661	1628	1601	1570	1542
		F09	1853	1812	1773	1739	1708	1679	1650	1623

DM80SN AIRFLOW DATA – CIRCULATION AIRFLOW (CONT.)

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)							
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
			CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
DM80SN 0805C*	G	F01	837	752	671	576	501	426	361	315
		F02	1316	1270	1218	1166	1114	1061	1000	962
		F03	1353	1323	1286	1235	1183	1131	1085	1040
		F04	1587	1544	1506	1459	1416	1372	1323	1281
		F05	1731	1673	1632	1587	1546	1506	1463	1421
		F06	1794	1744	1709	1671	1632	1591	1555	1513
		F07	1861	1805	1761	1720	1681	1642	1603	1565
		F08	1910	1873	1839	1798	1761	1723	1686	1648
		F09	2110	2055	2035	2003	1973	1946	1907	1890
DM80SN 1005C*	G	F01	802	724	637	551	468	389	342	294
		F02	1405	1356	1308	1262	1210	1182	1155	1102
		F03	1574	1531	1484	1440	1392	1357	1306	1256
		F04	1619	1575	1526	1489	1446	1404	1355	1313
		F05	1688	1641	1600	1557	1513	1477	1428	1381
		F06	1811	1769	1730	1686	1649	1610	1572	1525
		F07	1857	1812	1774	1733	1697	1662	1622	1586
		F08	1892	1850	1805	1774	1735	1692	1658	1621
		F09	2116	2073	2039	2005	1981	1945	1909	1879
DM80SN 1205D*	G	F01	851	774	692	615	535	470	411	359
		F02	1677	1629	1583	1540	1498	1449	1399	1349
		F03	1537	1489	1444	1404	1365	1322	1272	1211
		F04	1416	1365	1315	1267	1220	1163	1106	1048
		F05	1154	1098	1043	983	932	874	819	755
		F06	1806	1764	1729	1688	1654	1615	1578	1535
		F07	1869	1816	1773	1731	1693	1661	1629	1589
		F08	1947	1903	1865	1833	1802	1769	1743	1708
		F09	2107	2066	2030	1996	1963	1932	1899	1867

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)												
			0.1		0.2		0.3		0.4		0.5		0.6	0.7	0.8
			CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE	CFM	CFM	CFM
DM80SN 0403A*	W/W1	F01^^	658	N/A	585	N/A	545	N/A	495	N/A	444	N/A	390	332	151
		F02^	749	40	697	42	652	45	607	49	554	53	509	459	406
		F03	925	32	881	34	840	35	800	37	760	39	721	681	645
		F04	882	34	841	35	800	37	760	39	719	41	678	641	602
DM80SN 0603A*	W/W1	F01^^	659	N/A	599	N/A	542	N/A	490	N/A	437	N/A	383	320	N/A
		F02^	1268	35	1221	36	1188	37	1154	38	1122	40	1091	1060	1029
		F03	1087	41	1044	43	1008	44	973	46	938	47	905	871	841
		F04	1118	40	1070	42	1033	43	997	45	963	46	929	896	865
DM80SN 0604B*	W/W1	F01^^	764	N/A	695	N/A	630	N/A	559	N/A	485	N/A	415	358	N/A
		F02^	1287	35	1235	36	1191	37	1147	39	1104	40	1062	1020	979
		F03	1339	33	1301	34	1258	35	1217	37	1174	38	1131	1090	1048
		F04	1396	32	1346	33	1298	34	1257	35	1217	37	1175	1135	1098
DM80SN 0803B*	W/W1	F01^^	710	N/A	646	N/A	580	N/A	515	N/A	432	N/A	367	314	274
		F02^	1298	46	1255	47	1216	49	1178	50	1140	52	1102	1067	1028
		F03	1209	49	1166	51	1124	53	1083	55	1045	57	1005	964	923
		F04	1138	52	1091	54	1045	57	1001	59	959	62	920	876	832
DM80SN 0804B*	W/W1	F01^^	841	N/A	657	N/A	595	N/A	522	N/A	439	N/A	367	315	N/A
		F02^	1141	52	1089	54	1045	57	1001	59	958	62	914	869	823
		F03	1311	45	1267	47	1226	48	1189	50	1150	52	1114	1072	1034
		F04	1395	42	1347	44	1309	45	1270	47	1233	48	1199	1164	1125
DM80SN 0805C*	W/W1	F01^^	837	N/A	752	N/A	671	N/A	576	N/A	501	N/A	426	361	315
		F02^	1316	45	1270	47	1218	49	1166	51	1114	53	1061	1000	962
		F03	1353	44	1323	45	1286	46	1235	48	1183	50	1131	1085	1040
		F04	1587	37	1544	38	1506	39	1459	41	1416	42	1372	1323	1281
DM80SN 1005C*	W/W1	F01^^	802	N/A	724	N/A	637	N/A	551	N/A	468	N/A	389	342	294
		F02^	1405	53	1356	55	1308	57	1262	59	1210	61	1155	1102	1057
		F03	1574	47	1531	48	1484	50	1440	51	1392	53	1357	1306	1256
		F04	1619	46	1575	47	1526	49	1489	50	1446	51	1404	1355	1313
DM80SN 1205D*	W/W1	F01^^	851	N/A	774	N/A	692	N/A	615	N/A	535	N/A	470	411	359
		F02^	1677	53	1629	55	1583	56	1540	58	1498	59	1449	1399	1349
		F03	1537	58	1489	60	1444	62	1404	63	1365	65	1322	1272	1211
		F04^^	1416	N/A	1365	N/A	1315	N/A	1267	N/A	1220	N/A	1163	1106	1048

Note: ^Default & Recommended ^^Not Recommended for heating

DC80SN AIRFLOW DATA – LOW STAGE COOLING

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)							
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
			CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
DC80SN 0403AX	Y/Y1	F01	712	663	610	559	514	462	395	337
		F02	1120	1081	1053	1022	990	955	918	887
		F03	929	891	858	815	772	737	699	664
		F04^	1073	1031	1003	969	922	891	854	822
		F05	1212	1198	1161	1138	1103	1076	1037	1007
		F06	871	830	789	743	702	665	628	583
		F07	825	784	741	694	650	609	563	520
		F08	1274	1252	1220	1195	1169	1145	1110	1084
		F09	1362	1342	1307	1273	1252	1237	1211	1185
DC80SN 0603AX	Y/Y1	F01	706	655	604	555	505	455	395	328
		F02	1035	991	951	913	876	844	807	770
		F03	932	887	844	806	767	728	689	651
		F04^	897	851	808	764	725	686	646	603
		F05	1123	1077	1041	1006	973	941	907	875
		F06	1155	1113	1074	1039	1006	974	945	913
		F07	1255	1214	1181	1147	1116	1087	1056	1028
		F08	1388	1331	1298	1266	1235	1207	1179	1151
		F09	1421	1380	1348	1318	1289	1262	1233	1207
DC80SN 0804BX	Y/Y1	F01	760	697	636	569	481	402	349	300
		F02	1286	1238	1196	1157	1117	1077	1036	998
		F03	1393	1348	1308	1270	1230	1196	1158	1123
		F04^	1459	1414	1371	1336	1297	1264	1229	1193
		F05	1753	1713	1677	1642	1611	1576	1549	1518
		F06	1309	1261	1218	1182	1142	1103	1064	1025
		F07	1580	1534	1495	1459	1429	1390	1356	1324
		F08	1523	1483	1438	1403	1370	1336	1299	1266
		F09	1643	1599	1562	1525	1491	1462	1431	1394
DC80SN 1005CX	Y/Y1	F01	956	777	675	587	468	377	324	296
		F02	1460	1404	1350	1299	1251	1203	1150	1098
		F03	1561	1499	1441	1385	1336	1289	1243	1197
		F04^	1628	1571	1521	1472	1425	1380	1337	1291
		F05	1714	1659	1611	1564	1519	1473	1432	1387
		F06	1833	1784	1735	1688	1645	1605	1562	1520
		F07	1899	1853	1804	1761	1720	1681	1640	1602
		F08	1926	1894	1849	1807	1764	1720	1683	1642
		F09	2222	2174	2132	2090	2053	2013	1976	1944

Note: ^ Default Speed

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)							
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
			CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
DC80SN 0403AX	Y2	F01	712	663	610	559	514	462	395	337
		F02	1120	1081	1053	1022	990	955	918	887
		F03	929	891	858	815	772	737	699	664
		F04	1073	1031	1003	969	922	891	854	822
		F05^	1212	1198	1161	1138	1103	1076	1037	1007
		F06	871	830	789	743	702	665	628	583
		F07	825	784	741	694	650	609	563	520
		F08	1274	1252	1220	1195	1169	1145	1110	1084
		F09	1362	1342	1307	1273	1252	1237	1211	1185
DC80SN 0603AX	Y2	F01	706	655	604	555	505	455	395	328
		F02	1035	991	951	913	876	844	807	770
		F03	932	887	844	806	767	728	689	651
		F04	897	851	808	764	725	686	646	603
		F05^	1123	1077	1041	1006	973	941	907	875
		F06	1155	1113	1074	1039	1006	974	945	913
		F07	1255	1214	1181	1147	1116	1087	1056	1028
		F08	1388	1331	1298	1266	1235	1207	1179	1151
		F09	1421	1380	1348	1318	1289	1262	1233	1207
DC80SN 0804BX	Y2	F01	760	697	636	569	481	402	349	300
		F02	1286	1238	1196	1157	1117	1077	1036	998
		F03	1393	1348	1308	1270	1230	1196	1158	1123
		F04	1459	1414	1371	1336	1297	1264	1229	1193
		F05^	1753	1713	1677	1642	1611	1576	1549	1518
		F06	1309	1261	1218	1182	1142	1103	1064	1025
		F07	1580	1534	1495	1459	1429	1390	1356	1324
		F08	1523	1483	1438	1403	1370	1336	1299	1266
		F09	1643	1599	1562	1525	1491	1462	1431	1394
DC80SN 1005CX	Y2	F01	956	777	675	587	468	377	324	296
		F02	1460	1404	1350	1299	1251	1203	1150	1098
		F03	1561	1499	1441	1385	1336	1289	1243	1197
		F04	1628	1571	1521	1472	1425	1380	1337	1291
		F05^	1714	1659	1611	1564	1519	1473	1432	1387
		F06	1833	1784	1735	1688	1645	1605	1562	1520
		F07	1899	1853	1804	1761	1720	1681	1640	1602
		F08	1926	1894	1849	1807	1764	1720	1683	1642
		F09	2222	2174	2132	2090	2053	2013	1976	1944

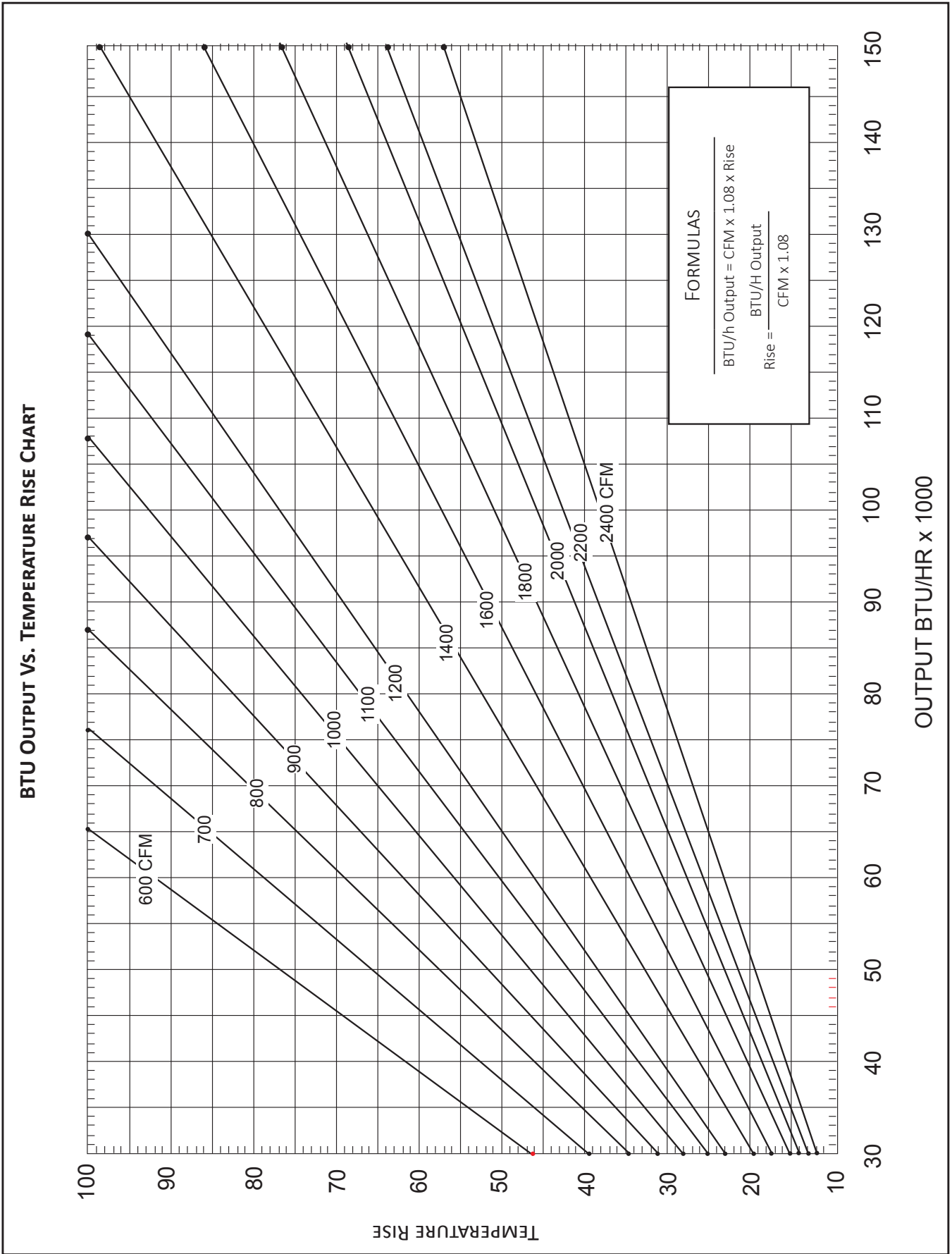
Note: ^ Default Speed

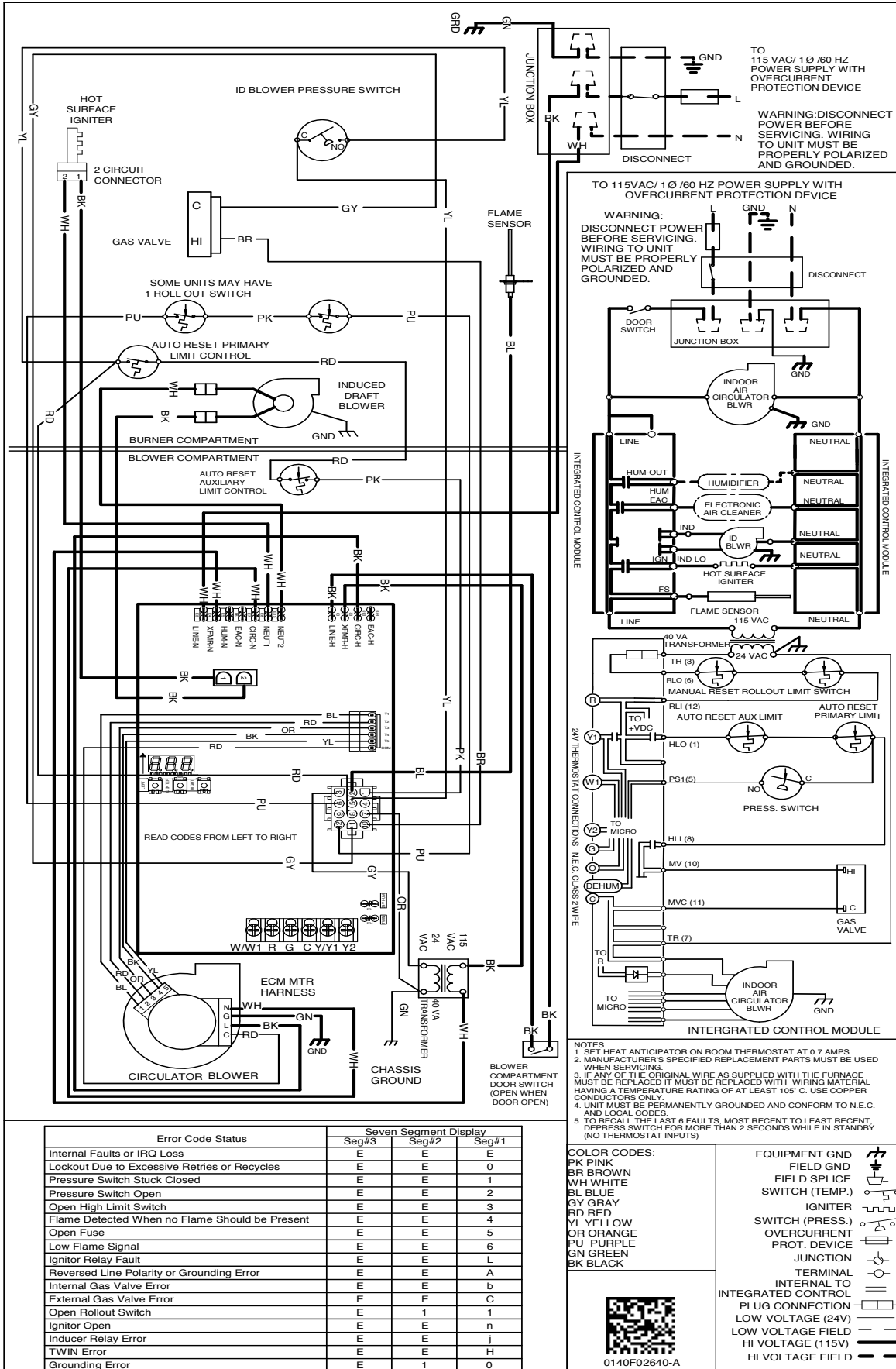
DC80SN AIRFLOW DATA – CIRCULATION AIRFLOW

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)							
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
			CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
DC80SN 0403AX	G	F01	712	663	610	559	514	462	395	337
		F02	1120	1081	1053	1022	990	955	918	887
		F03	929	891	858	815	772	737	699	664
		F04	1073	1031	1003	969	922	891	854	822
		F05	1212	1198	1161	1138	1103	1076	1037	1007
		F06	871	830	789	743	702	665	628	583
		F07	825	784	741	694	650	609	563	520
		F08	1274	1252	1220	1195	1169	1145	1110	1084
		F09	1362	1342	1307	1273	1252	1237	1211	1185
DC80SN 0603AX	G	F01	706	655	604	555	505	455	395	328
		F02	1035	991	951	913	876	844	807	770
		F03	932	887	844	806	767	728	689	651
		F04	897	851	808	764	725	686	646	603
		F05	1123	1077	1041	1006	973	941	907	875
		F06	1155	1113	1074	1039	1006	974	945	913
		F07	1255	1214	1181	1147	1116	1087	1056	1028
		F08	1388	1331	1298	1266	1235	1207	1179	1151
		F09	1421	1380	1348	1318	1289	1262	1233	1207
DC80SN 0804BX	G	F01	760	697	636	569	481	402	349	300
		F02	1286	1238	1196	1157	1117	1077	1036	998
		F03	1393	1348	1308	1270	1230	1196	1158	1123
		F04	1459	1414	1371	1336	1297	1264	1229	1193
		F05	1753	1713	1677	1642	1611	1576	1549	1518
		F06	1309	1261	1218	1182	1142	1103	1064	1025
		F07	1580	1534	1495	1459	1429	1390	1356	1324
		F08	1523	1483	1438	1403	1370	1336	1299	1266
		F09	1643	1599	1562	1525	1491	1462	1431	1394
DC80SN 1005CX	G	F01	956	777	675	587	468	377	324	296
		F02	1460	1404	1350	1299	1251	1203	1150	1098
		F03	1561	1499	1441	1385	1336	1289	1243	1197
		F04	1628	1571	1521	1472	1425	1380	1337	1291
		F05	1714	1659	1611	1564	1519	1473	1432	1387
		F06	1833	1784	1735	1688	1645	1605	1562	1520
		F07	1899	1853	1804	1761	1720	1681	1640	1602
		F08	1926	1894	1849	1807	1764	1720	1683	1642
		F09	2222	2174	2132	2090	2053	2013	1976	1944

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)												
			0.1		0.2		0.3		0.4		0.5		0.6	0.7	0.8
			CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE	CFM	CFM	CFM
DC80SN 0403AX	W/W1	F01^^	712	N/A	663	N/A	610	N/A	559	N/A	514	N/A	462	395	337
		F02^	1120	26	1081	27	1053	28	1022	29	990	30	955	918	887
		F03	929	32	891	33	858	35	815	36	772	38	737	699	664
		F04	1073	28	1031	29	1003	30	969	31	922	32	891	854	822
DC80SN 0603AX	W/W1	F01^^	706	N/A	655	N/A	604	N/A	555	N/A	505	N/A	455	395	328
		F02^	1035	43	991	45	951	47	913	49	876	51	844	807	770
		F03	932	48	887	50	844	53	806	55	767	58	728	689	651
		F04^^	897	N/A	851	N/A	808	N/A	764	N/A	725	N/A	686	646	603
DC80SN 0804BX	W/W1	F01^^	760	N/A	697	N/A	636	N/A	569	N/A	481	N/A	402	349	300
		F02^	1286	46	1238	48	1196	50	1157	51	1117	53	1077	1036	998
		F03	1393	43	1348	44	1308	45	1270	47	1230	48	1196	1158	1123
		F04	1459	41	1414	42	1371	43	1336	44	1297	46	1264	1229	1193
DC80SN 1005CX	W/W1	F01^^	956	N/A	777	N/A	675	N/A	587	N/A	468	N/A	377	324	296
		F02^	1460	51	1404	53	1350	55	1299	57	1251	59	1203	1150	1098
		F03	1561	47	1499	49	1441	51	1385	53	1336	55	1289	1243	1197
		F04	1628	46	1571	47	1521	49	1472	50	1425	52	1380	1337	1291

Note: ^Default & Recommended ^^Not Recommended for heating





High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

WARNING

Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

Error Code Status	Seven Segment Display		
	Seg#3	Seg#2	Seg#1
Internal Faults or IRQ Loss	E	E	E
Lockout Due to Excessive Retries or Recycles	E	E	0
Pressure Switch Stuck Closed	E	E	1
Pressure Switch Open	E	E	2
Open High Limit Switch	E	E	3
Flame Detected When no Flame Should be Present	E	E	4
Open Fuse	E	E	5
Low Flame Signal	E	E	6
Ignitor Relay Fault	E	E	L
Reversed Line Polarity or Grounding Error	E	E	A
Internal Gas Valve Error	E	E	b
External Gas Valve Error	E	E	C
Open Rollout Switch	E	1	1
Ignitor Open	E	E	n
Inducer Relay Error	E	E	j
TWIN Error	E	E	H
Grounding Error	E	1	0

MODEL	DESCRIPTION
LPT-03 ¹	LP Conversion Kit
HANG21	High-Altitude Natural Gas Kit (5500+ ft)
AFE18-60A	Fossil Fuel Kit
MVK-01 ²	Masonry Vent Kit
MVK-02 ²	Masonry Vent Kit (for DM80SN1205D and DM80SN1405D models only)
TK-400	Twinning Kit

¹ White-Rodgers and Honeywell valves

² Upflow applications only

MODEL	DESCRIPTION	DM80SN 0403A	DM80SN 0603A*	DM80SN 0604B*	DM80SN 0803B*	DM80SN 0804B*	DM80SN 0805C*	DM80SN 1005C*	DM80SN 1205D*
AFE18-60A	Fossil Fuel (Dual Fuel) Kit	√	√	√	√	√	√	√	√
HANG20	High-Altitude Natural Gas Kit	√	√	√	√	√	√	√	√
LPLP03	Low LP Gas Pressure Switch	√	√	√	√	√	√	√	√
LPT-03	LP Conversion Kits	√	√	√	√	√	√	√	√
MVK-01	Masonry Vent Kit	√	√	√	√	√	√	√	—
MVK-02	Masonry Vent Kit (for 120k model only)	—	—	—	—	—	—	—	√

MODEL	DESCRIPTION	DM80SN 0403A*B	DM80SN 0603A*B	DM80SN 0804B*B	DM80SN 1005C*B
SBT14	Downflow Sub-Base 14"	√	√	—	—
SBT17	Downflow Sub-Base 17.5"	—	—	√	—
SBT21	Downflow Sub-Base 21"	—	—	—	√
AFE18-60A	Fossil Fuel (Dual Fuel) Kit	√	√	√	√
HANG20	High-Altitude Natural Gas Kit	√	√	√	√
LPLP03	Low LP Gas Pressure Switch	√	√	√	√
LPT-03	LP Conversion Kits	√	√	√	√

DOWNFLOW SUB-BASE FOR:

MODEL	DESCRIPTION	DC80SN 00403A*	DC80SN 00603A*	DC80SN 00804B*	DC80SN 01005C*
SBT14	14" Furnace	√	√	---	---
SBT17	17½" Furnace	---	---	√	---
SBT21	21" Furnace	---	---	---	√

DM80SN MINIMUM FILTER SIZES

MODEL #	DM80SN 0403A*	DM80SN 0603A*	DM80SN 0604B*	DM80SN 0804B*	DM80SN 0805C*	DM80SN 1005C*	DM80SN 1205D*
Filter Size (in ²)	(1) 16 x 25 (Side) or (1) 14 x 24 (Bottom)		(1) 16 x 25 (Side or Bottom)		(1) 16 x 25 (Side or Bottom) ¹	(2) 16 x 25 (Side) or (1) 20 x 25 (Bottom)	(2) 16 x 25 (Side) or (1) 24 x 24 (Bottom)

¹Use 2 - 16 x 25 filters on side returns or 1 - 20 x 25 filter on bottom return if furnace is connected to a cooling unit over 4 tons nominal capacity.

Note: Other size filters of equal or greater surface area may be used; filters may also be centrally located.

DC80SN MINIMUM FILTER SIZES

MODEL #	DC80SN 0403A*	DC80SN 0603A*	DC80SN 0804B*	DC80SN 1005C*
Filter Size (in ²)	(2) 10 x 20 or (1) 14 x 25 (Top Return)		(2) 14 x 20 or (1) 16 x 25 (Top Return)	(2) 14 x 20 or (1) 20 x 25 (Top Return)

Note: Other size filters of equal or greater surface area may be used; filters may also be centrally located.

Our continuing commitment to quality products may mean a change in specifications without notice.

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