



Engineering/Application Information (cont'd)

Blower Charts - BHP/RPM Tables - Cooling only

Use these tables for cooling only units (without optional heat sections). Fan performance includes cabinet, system effects, and downturn plenum pressure losses. Total pressure drop from return duct ESP, outside air hood, dampers, DX coils, evaporator pads and filters should not exceed 2.2" w.c. Supply duct ESP should not exceed 2.2" w.c.

Models		Blower Size	CFM	Total System Pressure Drop ("w.c.)														
				0.5		1.0		1.5		2.0		2.5		3.0		3.5		
PCCA	PCDA			bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	
060, 096	087, 123	(1) 9x6	1200	0.3	895	0.4	1134	0.5	1354	0.7	1552	0.9	1727	1.0	1884			
			1400	0.4	984	0.5	1192	0.7	1392	0.9	1579	1.0	1750	1.2	1908			
			1600	0.6	1082	0.7	1264	0.9	1444	1.1	1617	1.2	1780	1.4	1933			
			1800	0.8	1185	1.0	1346	1.1	1508	1.3	1666	1.5	1818					
		(1) 10x10	2000	0.6	941	0.8	1125	1.0	1332	1.3	1477	1.5	1648					
			2200	0.7	1004	0.9	1174	1.2	1335	1.5	1496	1.7	1655					
			2400	0.9	1066	1.1	1225	1.4	1375	1.7	1523	2.0	1669					
			2600	1.1	1127	1.3	1278	1.6	1418	1.9	1555	2.2	1691					
			2800	1.3	1188	1.6	1331	1.9	1464	2.2	1593	2.5	1716					
			3000	1.6	1248	1.8	1386	2.2	1512	2.5	1633	2.8	1752					
120, 130, 135, 150, 160, 180, 195, 210, 225	147, 162, 176, 177, 206, 226, 241, 256, 271	(1) 12x12	1800	0.4	712	0.6	912	0.9	1082	1.2	1232							
			2000	0.5	752	0.7	942	1.0	1104	1.3	1250	1.6	1383					
			2200	0.6	793	0.8	973	1.1	1129	1.5	1270	1.8	1399	2.1	1519			
			2400	0.7	833	1.0	1004	1.3	1155	1.6	1291	2.0	1417	2.3	1533	2.7	1644	
			2600	0.8	872	1.1	1036	1.5	1181	1.8	1313	2.2	1435	2.6	1549	3.0	1657	
			2800	1.0	912	1.3	1060	1.7	1208	2.0	1336	2.4	1455	2.8	1566	3.2	1672	
			3000	1.2	950	1.5	1100	1.9	1239	2.2	1359	2.6	1475	3.0	1584	3.5	1687	
			3300	1.5	1006	1.8	1147	2.2	1276	2.7	1395	3.0	1507	3.5	1612	3.9	1712	
			3600	1.8	1058	2.2	1194	2.6	1318	3.0	1431	3.5	1539	3.9	1641	4.4	1738	
			3900	2.2	1115	2.6	1240	3.0	1358	3.5	1468	3.9	1575	4.4	1670			
165, 170, 190, 215, 240, 277, 360	223, 228, 268, 293, 298, 335, 438	(2) 12x12	2800	0.5	691	0.9	912											
			3200	0.7	736	1.1	942	1.6	1117									
			3600	0.9	782	1.3	977	1.9	1144	2.4	1294							
			4000	1.1	828	1.6	1012	2.1	1172	2.7	1316	3.3	1448					
			4400	1.3	872	1.9	1047	2.5	1201	3.1	1340	3.7	1468	4.4	1588			
			4800	1.6	917	2.2	1083	2.8	1230	3.5	1365	4.2	1490	4.9	1606	5.6	1716	
			5200	1.9	960	2.5	1118	3.2	1260	3.9	1391	4.6	1512	5.4	1626	6.2	1733	
			5600	2.2	1002	2.9	1153	3.6	1291	4.3	1417	5.1	1535	5.9	1646	6.7	1751	
			6000	2.6	1043	3.3	1188	4.0	1321	4.8	1443	5.6	1558	6.5	1666	7.3	1769	
			6400	3.0	1083	3.7	1224	4.5	1351	5.3	1477	6.2	1582	7.0	1688	7.9	1788	
			6800	3.4	1123	4.2	1257	5.0	1381	5.9	1497	6.8	1606	7.7	1709			
			7100	3.8	1152	4.6	1282	5.4	1404	6.3	1517	7.2	1624	8.2	1725			

 If a 5HP TEFC motor or 5HP Premium Efficiency motor is selected, a Class II blower is required. If a 5HP open motor is selected, a Class I or Class II blower is available.


 A Class II blower is required with all 7-1/2 and 10 HP motors.


Engineering/Application Information (cont'd)

Blower Charts - BHP/RPM Tables - with Furnace Section

Use these tables for cooling/heating units (systems with optional heat sections). Air flow ranges differ because of temperature rise limits in the heating sections. Where multiple heat section sizes are listed, refer to the airflow table for the specific airflow range by heat section size. Select a bhp and RPM within the range listed on the airflow table. Fan performance includes cabinet, system effects, downturn plenum pressure losses and furnace pressure drop. Total pressure drop from return duct ESP, outside air hood, dampers, DX coils, evaporator pads and filters should not exceed 2.2" w.c. Supply duct ESP should not exceed 2.2" w.c.

Models		With Furnace Sections	Blower Size	CFM	Total System Pressure Drop ("w.c.)																
					0.5		1.0		1.5		2.0		2.5		3.0		3.5				
PCCA	PCDA				bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm			
060, 096, 120, 130, 135, 150, 160, 180, 195, 210, 225	087, 123, 147, 162, 176, 177, 206, 226, 241, 256, 271	100, 125	(1) 9x6	1200	0.4	1021	0.5	1259	0.7	1423	0.8	1664	1.0	1834							
				1400	0.5	1120	0.7	1329	0.9	1526	1.0	1728	1.2	1875							
				1600	0.8	1229	0.9	1414	1.1	1593	1.3	1763	1.5	1922							
				1800	1.0	1343	1.2	1508	1.4	1671	1.6	1827	1.8	1978							
			2000	0.8	1142	1.1	1322	1.4	1502	1.7	1677										
			2200	1.1	1219	1.4	1384	1.6	1547	2.0	1709										
			2400	1.3	1296	1.6	1447	1.9	1598	2.3	1747										
			2600	1.6	1371	1.9	1512	2.3	1651	2.6	1790										
		2800	1.9	1446	2.3	1578	2.6	1708													
		150, 175, 200, 225	(1) 12x12	1800	0.5	753	0.7	948	0.9	1114											
				2000	0.6	790	0.8	976	1.1	1136	1.4	1278									
				2200	0.7	829	1.0	1006	1.2	1161	1.5	1299	1.9	1426							
				2400	0.8	869	1.1	1040	1.4	1188	1.8	1323	2.1	1446	2.4	1561					
				2600	1.0	912	1.3	1075	1.7	1218	2.0	1348	2.3	1469	2.7	1581	3.1	1687			
				2800	1.2	956	1.5	1111	1.9	1250	2.3	1376	2.6	1527	3.0	1603	3.4	1706			
				3000	1.4	1001	1.8	1150	2.2	1283	2.5	1406	2.9	1540	3.3	1627	3.7	1729			
				3300	1.8	1070	2.2	1210	2.6	1337	3.0	1454	3.5	1564	3.9	1667	4.3	1765			
				3600	2.3	1141	2.7	1273	3.2	1394	3.6	1506	4.1	1611	4.5	1711					
				3900	2.8	1214	3.3	1338	3.8	1453	4.2	1560	4.7	1662							
		300, 400	(1) 12 x 12	2400	0.9	933	1.2	1094	1.6	1237	1.9	1363	2.2	1488							
				2600	1.1	981	1.5	1135	1.8	1273	2.1	1398	2.5	1515	2.8	1625					
				2800	1.4	1031	1.7	1178	2.1	1310	2.4	1432	2.8	1546	3.2	1652	3.6	1753			
				3000	1.6	1083	2.0	1223	2.4	1350	2.8	1468	3.1	1578	3.5	1682	4.0	1783			
				3300	2.1	1160	2.5	1292	2.9	1413	3.3	1525	3.7	1630	4.2	1730					
				3600	2.6	1241	3.0	1363	3.5	1479	3.9	1586	4.4	1687	4.9	1783					
				3900	3.2	1324	3.7	1440	4.2	1548	4.7	1650									

 If a 5HP TEFC motor or 5HP Premium Efficiency motor is selected, a Class II blower is required. If a 5HP open motor is selected, a Class I or Class II blower is available.


 A Class II blower is required with all 7-1/2 and 10 HP motors.


Engineering/Application Information (cont'd)

Blower Charts - BHP/RPM Tables - with Furnace Section (cont'd)

Use these tables for cooling/heating units (systems with optional heat sections). Air flow ranges differ because of temperature rise limits in the heating sections. Where multiple heat section sizes are listed, refer to the airflow table for the specific airflow range by heat section size. Select a bhp and RPM within the range listed on the airflow table. Fan performance includes cabinet, system effects, downturn plenum pressure losses and furnace pressure drop. Total pressure drop from return duct ESP, outside air hood, dampers, DX coils, evaporator pads and filters should not exceed 2.2" w.c. Supply duct ESP should not exceed 2.2" w.c.

Models		With Furnace Sections	Blower Size	CFM	Total System Pressure Drop ("w.c.)																	
					0.5		1.0		1.5		2.0		2.5		3.0		3.5					
PCCA	PCDA				bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm				
165, 170, 190, 215, 240, 277, 360	223, 228, 268, 293, 298, 335, 438	250	(2)10 x 10	2800	0.7	874	1.0	1098														
				3200	0.9	930	1.2	1141	1.6	1323												
				3600	1.1	990	1.5	1189	1.9	1363	2.4	1519										
				4000	1.5	1053	1.9	1241	2.3	1407	2.8	1558	3.3	1696								
				4400	1.8	1119	2.3	1297	2.8	1455	3.3	1600	3.8	1734								
				4800	2.3	1187	2.8	1355	3.3	1507	3.9	1646	4.4	1776								
				5200	2.8	1257	3.4	1417	3.9	1561	4.5	1695										
				5600	3.4	1329	4.0	1480	4.6	1619												
				6000	4.1	1402	4.9	1545														
				350	(2) 12 x 12	2800	0.6	717	1.0	924												
						3200	0.7	754	1.2	952												
						3600	0.9	795	1.4	983	1.9	1144										
						4000	1.1	838	1.6	1018	2.2	1172	2.8	1311								
						4400	1.4	884	1.9	1055	2.5	1204	3.1	1338	3.8	1461						
						4800	1.7	932	2.3	1094	2.9	1278	3.6	1368	4.3	1488	4.9	1599				
						5200	2.0	981	2.7	1136	3.4	1274	4.1	1400	4.8	1516	5.5	1626	6.3	1729		
						5600	2.4	1032	3.1	1180	3.8	1312	4.6	1434	5.3	1547	6.1	1654	6.9	1755		
						6000	2.9	1084	3.6	1225	4.4	1352	5.2	1470	6.0	1581	6.8	1684				
						6400	3.3	1136	4.2	1271	5.0	1394	5.8	1509	6.6	1616	7.5	1717				
				6800	3.9	1190	4.8	1319	5.6	1438	6.5	1549	7.4	1653								
				7100	4.4	1231	5.3	1356	6.2	1471	7.1	1579										
				500, 600	(2) 15 x 9	4000	1.3	735	1.9	895	2.5	1031										
						4400	1.5	775	2.2	926	2.9	1058	3.7	1177								
						4800	1.9	817	2.6	961	3.3	1087	4.1	1203								
						5200	2.2	860	3.0	997	3.8	1119	4.6	1230	5.5	1333						
						5600	2.7	904	3.5	1035	4.3	1152	5.2	1260	6.1	1360	7.0	1454				
						6000	3.1	949	4.0	1074	4.9	1187	5.8	1292	6.8	1389	7.8	1481	8.7	1568		
						6400	3.7	995	4.6	1115	5.6	1224	6.6	1325	7.6	1420	8.6	1509	9.6	1594		
						6800	4.3	1042	5.3	1157	6.3	1262	7.3	1360	8.4	1452	9.4	1539				
				7100	4.8	1078	5.8	1190	6.9	1291	7.9	1386	9.0	1477								
				700	(2) 15 x 11	5200	1.7	771	2.4	914	3.1	1040	3.8	1154	4.6	1258						
						5600	2.0	806	2.8	944	3.5	1066	4.3	1177	5.1	1279	5.9	1374				
						6000	2.4	843	3.2	975	3.9	1093	4.8	1201	5.7	1300	6.4	1394	7.3	1482		
						6400	2.8	881	3.6	1008	4.4	1122	5.3	1226	6.2	1324	7.1	1415	8.0	1501		
						6800	3.2	920	4.1	1042	5.0	1152	5.9	1253	6.8	1347	7.7	1437	8.7	1522		
						7100	3.6	949	4.5	1067	5.4	1175	6.3	1274	7.3	1367	8.3	1455	9.3	1539		

 If a 5HP TEFC motor or 5HP Premium Efficiency motor is selected, a Class II blower is required. If a 5HP open motor is selected, a Class I or Class II blower is available.

 A Class II blower is required with all 7-1/2 and 10 HP motors.