



## **Table of Contents**

•	Application	2
•	Type C Fans-General Information	2
•	Type CB Fans Dimensional Data	3
•	CBA-CBL-CBH-CBHX Performance	4
•	Type CBC Fans Dimensional Data	6
•	CBC Performance	7
•	Type CD Fans Dimensional Data	11
•	CDP-CDU-CDC Performance	12
•	Optional Components	15

- Accessory Dimensional Data..... Back cover
- Warranty and Caution..... Back cover

#### Application

Type C wall propeller fans are used for general ventilation and are designed for efficiency and economy. Suggested uses include commercial installations such as warehouses, schools, hospitals, parking garages and industrial uses such as process plants, wastewater treatment plants, and manufacturing facilities.

These propeller fans are rugged and dependable and are available in a wide selection of sizes and performance. These fans can be arranged for supply, exhaust or a combination of both. (See application section for each fan type for proper selection.)

These fans are offered with a wide selection of accessories to complete a well-balanced and specifically engineered air moving system.

#### Construction

MATERIALS: The fan panel is fabricated of heavy-gauge steel and the uprights which support the motor and propeller are formed from heavy-gauge steel for maximum strength and rigidity. Aluminum construction is available on all CBA, CBH, CBC, and CDC models. See specific fan model for information on blade material.

Painted parts are coated with a thermosetting epoxy coating to provide a protective coating rated excellent for hardness, impact resistance, adhesion and chemical resistance. For protective coating options see the Accessories section.

METHODS: The entire panel assembly for CBL, CBH, CBHX, and CDC units (24 and larger) utilizes all-welded construction. It is specifically engineered to provide maximum efficient air movement and quiet operation. All blade assemblies are dynamically balanced.

Parts requiring painting are processed through the American Coolair five-stage pretreatment system prior to the application of any coatings to ensure maximum finish adhesion. These parts use a thermosetting epoxy powder paint with an average thickness of 3 mils and baked at 400°F to a smooth, hard, continuous finish.

### **Drive Mechanism**

BELT DRIVE: Available in sizes from 18 inch to 84 inch, belt driven models are designed for quieter operation and lower initial cost. They use standardly available 1750 RPM motors.

DIRECT DRIVE: Available in sizes from 7 inch to 60 inch, direct driven models require less maintenance, offer longer operating life, increased efficiency and reduced operating cost.

VARIABLE PITCH PULLEYS: Most belt drive models are equipped with a variable pitch motor pulley which allows fan speed adjustment where desirable. The settings made at the factory allow the fan to operate within the maximum safe capabilities of the motor. The pulley may be opened to reduce fan speed and thus decrease air flow.

If an increase in fan speed is desired, contact your American Coolair representative for information on fan performance and motor load before making any adjustment.

#### Bearings

See specific fan style features for bearing information.

#### Motors

The American Coolair air-over-motor design provides extra capacity and economy because it serves to dissipate heat and thus increase horsepower capability. Totally enclosed motors are standard. Several alternatives, such as explosion proof motors, energy efficient motors and severe duty motors, are available to fit your specific needs.

Only nationally recognized brand motors with nationwide service facilities are used.

#### Listings



All Type C ventilators a r e listed by Underwriters Laboratory, Inc. to U.S. and Canadian safety standards.

UL705 - E39944

Certified ratings licensed by AMCA (Air Movement and Control Association International, Inc.), for both air and sound performance, are available for all Type C fans. These, along with dimensional drawings are included in this form.

#### Additional Information Available

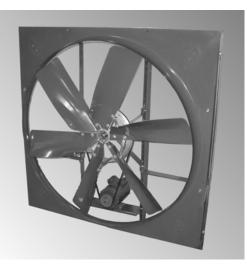
Octave band sound power levels are available for use by the acoustical engineer in predicting on-the-job sound levels.

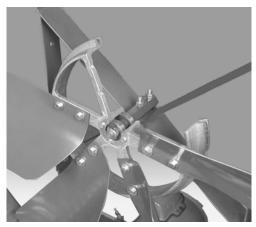
American Coolair will provide installation instructions and maintenance information at your request as well as information on any air movement need you may have. For performance requirements not listed or alternate construction requirements contact your American Coolair representative.

American Coolair has over 70 years of experience in air moving systems and offers you the very best equipment and knowledgeable personnel.

## Type CB (Models CBA-CBL-CBH-CBHX)

BELT DRIVE — 2500 to 58,800 CFM 0" to 3/4" STATIC PRESSURE





## Dimensions

Dimension A is the O.D. of the square fan panel.

Dimension B is the depth from the face of the fan panel to the back of the fan frame.

Dimension C is the maximum with constant speed, 3-phase TEFC motor of maximum horsepower for fan size and style indicated. This dimension will vary with the type and HP of the motor actually selected.

Dimension J is the diameter of the installation holes.

(1) Maximum blade protrusion beyond venturi.

### Application

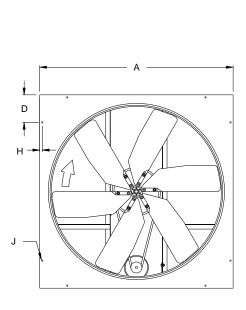
The CBA, CBL, CBH and CBHX fans are known for lower initial cost, proven reliability and quiet, efficient operation at both lower and higher pressures. These fans are generally used for exhaust, but with the addition of a wall housing, they can be turned around for use as a supply fan.

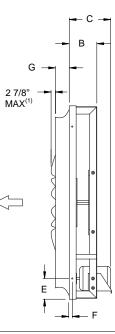
### Features

These fans utilize a cross-frame to support American Coolair's unique bearing and shaft assembly. Power is applied directly to the fan/hub assembly in the same plane as the bearings. This reduces bearing load and dramatically increases fan bearing life. Bearings are permanently lubricated and sealed and have an L<sub>10</sub> life exceeding 300,000 hours.

The die-formed steel propeller blades are securely attached to the hub to form a strong, rigid propeller assembly.

The motor pulley can be opened to reduce fan speed and decrease air flow on most models. If an increase in fan speed is desired, contact your American Coolair representative for information on fan performance and motor load before making any adjustments.





				Dimens	ions in I	nches			
Fan	Α	В	С	D	Е	F	G	н	J
CBA18	26	5 5/8	14 3/8	11/16	11/16	5/16	1 1/8	11/16	17/64
CBA20	26	5 5/8	14 3/8	11/16	11/16	5/16	1 1/8	11/16	17/64
CBL24	32	5 1/8	12 5/8	6	5	7/8	4	3/4	3/8
CBH24	32	51/0	13 1/4	0	5	1/0	4	3/4	3/0
CBL30	38	5 1/8	12 5/8	6	5	7/8	4	3/4	3/8
CBH30	30	51/6	16 3/4	0	5	1/0	4	3/4	3/0
CBL36	44	F 1/9	12 3/4	7	5	7/8	4	3/4	3/8
CBH36	44	5 1/8	17 1/4	1	5	1/0	4	3/4	3/0
CBL42	50	5 1/8	12 3/4	7	4	7/8	4	3/4	3/8
CBH42	50	51/6	17 1/4	1	4	1/0	4	3/4	3/0
CBL48		E 1/0	12 3/4		5				
CBH48	56	5 1/8	17 1/4	8	5	1	4	3/4	3/8
CBHX48		6 5/8	20 1/2		6				
CBH54	60	5 1/8	17 1/4	8	6	7/8	4	3/4	3/8
CBHX54	02	62 6 5/8	20 1/2	0	0	1	4	3/4	3/0
CBHX60	68	6 5/8	20 1/2	11	9	3/4	4	3/4	1/2

# **Performance Ratings**



American Coolair Corporation certifies that the Type CB fan models shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

# **Typical Specifications**

Belt driven propeller fans shall be American Coolair Type CBA, CBL, CBH, and CBHX as manufactured by American Coolair Corporation, Jacksonville, Florida; specific models shall be as shown in the fan schedule. Panels and structural angle supports shall be of welded steel construction with spun orifice to provide improved performance (CBL, CBH, & CBHX). Die formed steel blades shall be firmly attached to cast aluminum hub, which also serves as driven sheave. Fan hub shall rotate on fixed shaft using oversized sealed ball bearings. Belt load shall be applied to hub in the same plane as bearings, eliminating overhung load on bearings and increasing bearing life. Motor pulleys shall be variable pitch (except where noted below). Fans shall be licensed to bear the AMCA Certified Ratings Seal for sound and air performance. (Specify for each fan model in schedule the required CFM and static pressure; motor enclosure, phase and voltage; and accessories such as wall shutter, motor side or front guard, wall housing, etc.)

ltem			et Per Min						Fan	Motor	Fan	Sone	Max	Approx.	Shutter
No.	0"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	Fan Model <sup>2</sup>	Size	HP	RPM	Rating <sup>3</sup>	BHP <sup>4,7</sup>	Ship Wt.	Model⁵
1	3,190	3,002	2,797	2,536				CBA18H		1/3	1475	18.0	0.41	60	SU18-20
2	3,639	3,476	3,302	3,113	2,864			CBA18J	18	1/2	1683	23	0.61	66	SU18-20
3	4,165	4,023	3,875	3,719	3,549	3,341		CBA18K		3/4	1926	27	0.91	80	SU18-20
4	4,634	4,507	4,376	4,239	4,096	3,941	3,759	CBA18L		1	2143	32	1.25	85	SU18-20
5	3,279	3,002						CBA20G		1/4	1165	13.9	0.31	65	SU18-20
6	3,599	3,348	3,089					CBA20H		1/3	1279	16.5	0.40	65	SU18-20
7	4,117	3,898	3,676	3,433				CBA20J	20	1/2	1463	21	0.61	71	SU18-20
8	4,700	4,508	4,314	4,118	3,896			CBA20K	20	3/4	1670	26	0.91	85	SU18-20
9	5,223	5,051	4,877	4,702	4,522	4,317		CBA20L*		1	1856	30	1.25	90	SU18-20
10	5,792	5,636	5,480	5,323	5,164	5,000	4,817	CBA20M*		1 1/2	2058	36	1.70	112	SU18-20
11	5,216	4,460	3,341					CBL24G		1/4	678	11.8	0.30	70	S24
12	5,909	5,271	4,345					CBL24H		1/3	768	15.4	0.41	73	S24
13	6,601	6,046	5,327	4,404				CBL24J	24	1/2	858	19.1	0.60	79	S24
14	7,593	7,123	6,567	5,842	5,044			CBL24K	24	3/4	987	25	0.91	93	S24
15	8,143	7,705	7,248	6,726	5,879	5,119		CBH24L*		1	1065	28	1.28	98	S24
16	8,992	8,597	8,188	7,755	7,217	6,397	5,719	CBH24M*		1 1/2	1176	33	1.72	128	S24
17	7,469	5,985						CBL30G		1/4	509	10.5	0.30	77	S30
18	8,350	7,056						CBL30H		1/3	569	13.1	0.41	80	S30
19	9,304	8,160	6,766					CBL30J		1/2	634	16.2	0.60	86	S30
20	10,536	9,538	8,431	6,784				CBL30K	00	3/4	718	20	0.91	106	S30
21	11,945	11,072	10,139	9,073				CBH30L	30	1	814	25	1.25	111	S30
22	12,601	11,810	10,932	9,855	8,395	6,779		CBH30M		1 1/2	865	27	1.70	140	S30
23	13,956	13,247	12,481	11,619	10,528	9,167	7,737	CBH30N		2	958	34	2.30	143	S30
24	16,214	15,610	14,971	14,290	13,539	12,648	11,546	CBH30P*		3	1113	48	3.36	168	SR30
25	9,059	6,766						CBL36G		1/4	416	6.9	0.30	91	S36
26	10,257	8,453						CBL36H		1/3	471	8.5	0.41	94	S36
27	11,194	9,579	7,020					CBL36J		1/2	514	9.9	0.60	100	S36
28	13,197	11,847	10,174					CBL36K		3/4	606	13.4	0.91	114	S36
29	14,373	13,138	11,787	9,624				CBL36L	36	1	660	15.4	1.25	119	S36
30	15,902	14,845	13,330	11,742				CBH36M		1 1/2	698	21	1.70	156	S36
31	17,497	16,562	15,313	13,812	12,287			CBH36N		2	768	25	2.30	159	SR36
32	19,706	18,898	17,906	16,618	15,318	13,969	11,777	CBH36P		3	865	30	3.44	186	SR36
33	23,238	22,568	21,807	20,899	19,796	18,654	17,605	CBH36Q*		5	1020	43	5.28	186	SR36
34	12,557	9,045						CBL42H		1/3	334	8.8	0.41	104	S42
34	14,437	9,045 11,407						CBL42H CBL42J		1/3	334 384	0.0 11.4	0.41	104	S42 S42
35 36	16,129	13,576	 10,304					CBL42J CBL42K		3/4	304 429	14.1	0.60	124	542 S42
37	18,272	16,245	13,455					CBL42L	42	1	486	17.6	1.25	129	S42
38	19,656	17,706	15,431	12,496				CBH42M		1 1/2	530	23	1.69	166	S42
39	21,547	19,789	17,804	15,463	12,261			CBH42N		2	581	26	2.30	169	S42
40	24,774	23,266	21,621	19,795	17,699	15,052		CBH42P		3	668	32	3.43	199	S42
41	29,595	28,348	27,026	25,616	24,098	22,440	20,569	CBH42Q		5	798	44	5.63	227	S42

# Type CB Performance Ratings (cont'd)

ltem		Cubic Fe	et Per Min	ute (CFM) a	at Static Pr	essure <sup>1,7</sup>			Fan	Motor	Fan	Sone	Max	Approx.	Shutter
No.	0"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	Fan Model <sup>2</sup>	Size	HP	RPM	Rating <sup>3</sup>	BHP <sup>4,7</sup>	Ship Wt.	Model <sup>5</sup>
42	17,340	13,177						CBL48J		1/2	318	10.6	0.60	144	S48
43	19,958	16,510						CBL48K		3/4	366	14.1	0.90	149	S48
44	21,975	18,979	14,938					CBL48L		1	403	16.9	1.25	154	S48
45	24,163	21,204	18,055					CBH48M	48	1 1/2	432	19.7	1.69	211	S48
46	26,512	23,794	21,127	16,104				CBH48N		2	474	23	2.30	214	S48
47	30,316	27,912	25,634	23,110	17,991			CBH48P		3	542	29	3.44	259	S48
48	35,853	33,799	31,848	29,919	27,804	24,638		CBH48Q		5	641	38	5.62	287	S48
49	38,129	36,933	35,561	33,911	32,098	30,645	29,434	CBHX48R*		7 1/2	745	49	7.89	445	SR48
50	41,814	40,733	39,530	38,153	36,527	34,915	33,622	CBHX48S*		10	817	57	10.33	479	Note 6
51	18,733	13,770						CBH54J		1/2	293	11.2	0.60	197	S54
52	21,802	17,875						CBH54K		3/4	341	14.7	0.91	204	S54
53	24,359	21,018						CBH54L	54	1	381	17.7	1.24	211	S54
54	26,469	23,491	19,439					CBH54M	54	1 1/2	414	20	1.69	212	S54
55	29,602	27,026	23,705					CBH54N		2	463	24	2.29	215	S54
56	33,693	31,492	28,816	25,630				CBH54P		3	527	29	3.44	261	S54
57	40,129	38,154	35,880	33,210	30,151	25,250		CBHX54Q		5	547	33	5.58	402	SR54
58	46,952	45,293	43,469	41,419	39,117	36,592	33,602	CBHX54R		7 1/2	640	43	8.61	459	SR54
59	50,693	49,166	47,513	45,696	43,681	41,467	39,082	CBHX54S*		10	691	50	10.67	491	SR54
60	28,555	23,769						CBHX60L		1	302	13.0	1.24	348	S60
61	31,864	27,859						CBHX60M		1 1/2	337	15.8	1.69	360	S60
62	34,512	30,941	25,318					CBHX60N		2	365	18.3	2.30	360	S60
63	39,145	36,119	31,981	26,357				CBHX60P	60	3	414	22	3.43	382	S60
64	46,425	43,964	41,005	37,085	32,291			CBHX60Q		5	491	29	5.68	409	S60
65	53,422	51,324	48,945	46,130	42,560	38,342		CBHX60R		7 1/2	565	38	8.58	467	SR60
66	58,812	56,924	54,842	52,485	49,714	46,280	42,430	CBHX60S		10	622	45	11.43	500	SR60

1 — Performance shown is for Installation Type A: free inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

2 — The first three or four letters of the model number identify fan type, drive configuration and style. The next two numbers indicate fan size, the next letter identifies motor horsepower. Example: Model CBL24K is Type "C", belt drive, Style "L", 24" size, 3/4 H.P.

3 — The sound ratings shown are loudness values in hemispherical sones at 1.5m (5 ft.) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet hemispherical sone levels. The sound ratings shown are at 0" static pressure.

4 — Maximum brake horsepower (BHP) within the catalog performance range. Power rating (BHP) does not include transmission losses. Bearing losses are included. BHP at most static pressures listed is less than that shown, in some cases substantially less. For specific BHP values at individual static pressure points contact your American Coolair representative. Because of the cooling the motor receives from the moving air stream, motor loading beyond the nominal nameplate ratings on these American Coolair fans does not overheat the motor and is within NEMA recommended limits and motor service factor. It is not detrimental to the motor and is economically desirable.

5 — Shutter models shown are automatic (gravity) type. Add suffix "M" for manual operation; suffix "E" for motor operation.

6 — Consult factory for these shutter specifications.

7 — To convert air performance (CFM and SP) and power (BHP) to metric units, multiply CFM x .000472 to obtain cubic meters per second (m<sup>3</sup>/s). Multiply SP x 248.36 to obtain pascals (Pa). Multiply BHP x .7457 to obtain kilowatts (kW).

Example: 3904 CFM x .000472 = 1.8427 m<sup>3</sup>/s 0.125 SP x 248.36 = 31.05 Pa 0.886 BHP x .7457 = 0.661 kW

\* These models have fixed pitch motor pulleys.

# Type CBC

BELT DRIVE — 4,400 to 117,900 CFM 0" to 3/4" STATIC PRESSURE



## Application

CBC fans are designed to move large volumes of air efficiently at both lower and higher pressures. The 3-bladed units provide efficiency economically, while the 6- and 8-bladed units provide maximum flow at lower speeds for lower sound ratings. These fans are generally used for exhaust, but with the addition of a wall housing, they can be turned around for use as a supply fan.

### **Features**

American Coolair's Type C panel and rugged angle frame form the structure for CBC fans. The steel fan shaft is supported by two pillow-block ball bearings attached to this frame.

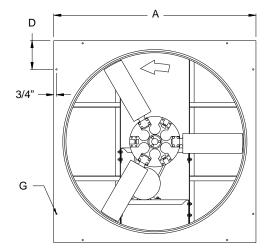
Cast aluminum adjustable pitch airfoil blades are securely attached to a heavy cast aluminum hub. Blade pitch is set for catalog performance.

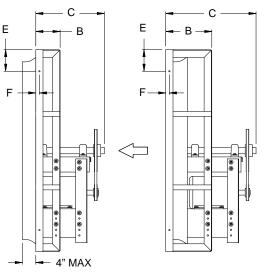
The blade pitch should not be adjusted without first contacting your American Coolair representative.

CBC fans incorporate specifically engineered airfoil sections and hub sizes for optimum efficiency and physical strength.

The motor pulley on most models can be opened to reduce fan speed and thus decrease air flow.

Do not increase fan speed or adjust blade pitch without first contacting your American Coolair representative.





CBC24-60 Side View

CBC72-84 Side View

### Dimensions

Dimension A is the O.D. of the square fan panel.

Dimension B is the depth from the face of the fan panel to the back of the fan frame.

Dimension C is the maximum with constant speed, 3phase TEFC motor of maximum horsepower for fan size and style indicated. This dimension will vary with the type and HP of the motor actually selected.

Dimension G is the diameter of the installation holes.

Drawings of belt, drive and blade assembly are schematic. Multiple belts are used on certain sizes and HPs.

Fan		Dir	mension	s in l	nche	S	
Size	Α	В	С	D	Е	F	G
24	32	5 1/8	18	6	5	7/8	3/8
30	38	5 1/8	18	6	5	7/8	3/8
36	44	5 1/8	19 1/2	7	5	7/8	3/8
42	50	5 1/8	19 1/2	7	4	7/8	3/8
48	56	6 5/8	19 1/2	8	6	1	3/8
54	62	6 5/8	19 1/2	8	6	1	3/8
60	68	6 5/8	19 1/2	11	9	1	1/2
72	80	17 7/8	34	13	11	1 1/8	1/2
84	92	17 7/8	34	15	13	1 5/8	1/2

Cast aluminum airfoil blades are standard.

## **Performance Ratings**



American Coolair Corporation certifies that the Type CBC fan models shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

# **Typical Specifications**

Belt driven propeller fans shall be American Coolair Type CBC as manufactured by American Coolair Corporation, Jacksonville, Florida; specific models shall be as shown in the fan schedule. Panels and structural angle supports shall be of welded steel construction. Fan blades shall be airfoil shaped cast aluminum securely attached to heavy cast aluminum hub. Blade pitch shall be adjustable. Ball bearings shall be of heavy duty pillow block type. Motor pulleys shall be variable pitch. Fans shall be licensed to bear the AMCA Certified Ratings Seal for sound and air performance. (Specify for each fan model in schedule the required CFM and static pressure; motor enclosure, phase and voltage; and accessories such as wall shutter, motor side or front guard, wall housing, etc.)

ltem		Cubic Fee	t Per Minu	ute (CFM)	at Static F	Pressure <sup>1,3</sup>	7		Fan	Motor	Fan	Sone	Max	BI	ade	Approx.	Shutter
No.	0"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	Fan Model <sup>2</sup>	Size	HP	RPM	Rating <sup>3</sup>	BHP <sup>4,7</sup>	No.	Pitch	Ship Wt.	Model⁵
1	5,764	4,715						CBC24G		1/4	897	10.8	0.30	3	25°	119	S24
2	5,834	4,755						CBC246G		1/4	659	9.5	0.30	6	35°	128	S24
3	6,387	5,454	4,394					CBC24H		1/3	994	12.8	0.41	3	25°	119	S24
4	6,471	5,573	4,148					CBC246H		1/3	731	11.3	0.41	6	35°	128	S24
5	7,248	6,438	5,544	4,540				CBC24J		1/2	1128	15.9	0.60	3	25°	125	S24
6	7,356	6,615	5,419	4,139				CBC246J		1/2	831	14.0	0.60	6	35°	134	S24
7	8,328	7,631	6,881	6,071	5,177			CBC24K		3/4	1296	19.7	0.91	3	25°	139	S24
8	8,436	7,818	6,974	5,803	4,659			CBC246K		3/4	953	17.5	0.91	6	35°	148	S24
9	9,253	8,630	7,969	7,267	6,519	5,697		CBC24L	24	1	1440	23	1.25	3	25°	144	S24
10	9,366	8,822	8,142	7,174	6,173			CBC246L	24	1	1058	21	1.25	6	35°	153	S24
11	10,256	9,696	9,110	8,494	7,847	7,165	6,428	CBC24M		1 1/2	1596	27	1.70	3	25°	159	SR24
12	10,375	9,893	9,323	8,597	7,621	6,765	5,796	CBC246M		1 1/2	1172	24	1.70	6	35°	168	SR24
13	11,342	10,838	10,315	9,770	9,203	8,613	7,996	CBC24N		2	1765	32	2.30	3	25°	174	SR24
14	11,482	11,052	10,564	9,985	9,253	8,344	7,575	CBC246N		2	1297	28	2.30	6	35°	183	SR24
15	12,968	12,529	12,077	11,612	11,133	10,638	10,128	CBC24P		3	2018	40	3.43	3	25°	198	SR24
16	13,137	12,767	12,361	11,907	11,384	10,756	9,982	CBC246P		3	1484	35	3.43	6	35°	207	SR24
17	15,384	15,015	14,639	14,256	13,864	13,464	13,054	CBC24Q		5	2394	53	5.70	3	25°	213	Note 6
18	15,571	15,263	14,934	14,582	14,200	13,779	13,307	CBC246Q		5	1759	47	5.70	6	35°	222	Note 6
19	8,817	7,159						CBC30H		1/3	731	12.7	0.41	3	25°	140	S30
20	8,893	6,922						CBC306H		1/3	529	10.3	0.41	6	35°	149	S30
21	9,999	8,591	6,653					CBC30J		1/2	829	15.6	0.60	3	25°	146	S30
22	10,104	8,461						CBC306J		1/2	601	12.9	0.60	6	35°	155	S30
23	11,495	10,284	8,799	7,072				CBC30K		3/4	953	19.7	0.91	3	25°	160	S30
24	11,617	10,242	8,454					CBC306K		3/4	691	16.3	0.91	6	35°	169	S30
25	12,773	11,685	10,510	8,892	7,405			CBC30L		1	1059	23	1.25	3	25°	165	S30
26	12,878	11,663	10,187	8,292				CBC306L	30	1	766	19.4	1.24	6	35°	174	S30
27	14,149	13,167	12,158	10,877	9,419	8,062		CBC30M	50	1 1/2	1173	27	1.70	3	25°	180	S30
28	14,273	13,194	11,946	10,420	8,510			CBC306M		1 1/2	849	23	1.69	6	35°	189	S30
29	15,644	14,757	13,861	12,872	11,557	10,285	9,069	CBC30N		2	1297	32	2.29	3	25°	195	SR30
30	15,803	14,840	13,763	12,517	11,035	9,200		CBC306N		2	940	27	2.30	6	35°	204	SR30
31	17,900	17,125	16,347	15,550	14,657	13,517	12,342	CBC30P		3	1484	40	3.43	3	25°	219	SR30
32	18,073	17,240	16,339	15,345	14,223	12,937	11,493	CBC306P		3	1075	33	3.43	6	35°	228	SR30
33	21,205	20,551	19,896	19,237	18,566	17,850	17,024	CBC30Q		5	1758	53	5.71	3	25°	234	SR30
34	21,385	20,689	19,954	19,172	18,333	17,422	16,415	CBC306Q		5	1272	44	5.69	6	35°	243	SR30
35	11,479	9,062						CBC36J	36	1/2	690	14.9	0.60	3	20°	173	S36
36	11,993	9,758						CBC366J		1/2	498	13.1	0.60	6	30°	182	S36
37	13,209	11,198	8,930					CBC36K		3/4	794	18.7	0.91	3	20°	187	S36
38	13,702	11,873						CBC366K		3/4	569	16.2	0.91	6	30°	196	S36
39	14,673	12,934	10,838	8,871				CBC36L		1	882	22	1.25	3	20°	192	S36
40	15,220	13,622	11,282					CBC366L		1	632	19.2	1.25	6	30°	201	S36
41	16,237	14,717	12,819	11,015	9,183			CBC36M		1 1/2	976	26	1.69	3	20°	207	S36
42	16,881	15,471	13,695	10,863				CBC366M		1 1/2	701	22	1.70	6	30°	216	S36
43	17,951	16,610	14,947	13,247	11,647	9,934		CBC36N		2	1079	31	2.29	3	20°	222	S36
44	18,639	17,382	15,909	13,816	11,007			CBC366N		2	774	26	2.28	6	30°	231	S36
45	20,529	19,386	18,033	16,504	15,042	13,643	12,224	CBC36P		3	1234	39	3.42	3	20°	246	SR36
46	21,312	20,231	19,025	17,605	15,615	13,172		CBC366P		3	885	32	3.43	6	30°	255	SR36
47	24,356	23,413	22,361	21,162	19,867	18,608	17,405	CBC36Q		5	1464	51	5.72	3	20°	261	Note 6
48	25,262	24,362	23,395	22,342	21,151	19,668	17,735	CBC366Q		5	1049	42	5.71	6	30°	270	Note 6
49	27,899	27,086	26,206	25,238	24,170	23,039	21,922	CBC36R		7 1/2	1677	65	8.59	3	20°	327	Note 6
50	27,935	27,126	26,270	25,356	24,369	23,261	21,923	CBC366R		7 1/2		50	7.72	6	30°	384	Note 6

# Type CBC Performance Ratings (cont'd)

No.      0"      10"      11"      11"      11"      50"      30"      Find Model <sup>2</sup> Size      HP      RPM Rating <sup>2</sup> 11"P <sup>2</sup> No.      Pich Ship Wit. Model <sup>2</sup> 51      16.43      13.384         CBC42K      3/4      631      15.1      0.11      3      20"      221      5/42        52      17.097      16.49         CBC42K      14      170      6      3.0"      20"      245      5.2"      20.9"      16.0"      1.5.0"      1.4.0"      5.0"      2.6"      2.2"      5.4      2.0"      1.0"      5.3"       CBC42AP      1.1"      7.6"      2.0"      1.0"      3.0"      2.0"      2.0"      5.0"      2.2"      5.4      2.2"      5.0"      3.0"      2.0"      7.6"      2.4"      0.0"      3.0"      2.0"      2.0"      5.0"      3.0"      2.0"      2.0"      5.2      2.0"      3.0"      3.0"      3.0"      3.0"      3.0"      3.0"      3.	Item		Cubic Fee	t Per Minu	ute (CFM)	at Static I	Pressure <sup>1,7</sup>	7		Fan	Motor	Fan	Sone	Max	В	lade	Approx.	Shutter
52      17.002      14.000           CBC428K      34      453      15.1      12.78      32.0      23.7      S42        51      18.07      15.58      12.718         CBC421      1      768      20.79      32.0°      246      54.27        52      20.291      16.001      15.588         CBC422K      11/2      76      26      21      1.70      3      20°      207      54.28        22.052      2.071      18.001      15.589      12.48        CBC428P      2      864      3.2      2.0      3.0      20°      26      54.2        23.056      2.673      2.364      10.533      17.31        CBC428P      3      3.03      3.07      3.0      20°      30      3.0      20°      30      30°      30°      30°      30°      30°      30°      30°      30°      30°      30°	No.	0"							Fan Model <sup>2</sup>	Size	HP	RPM	Rating <sup>3</sup>	BHP <sup>4,7</sup>	No.	Pitch	Ship Wt.	Model <sup>5</sup>
53      18.420      15.423      12.748         CBC42L      1      706      23      18.0      1.25      3      20°      26      S42        54      18.97      15.88      17.07      15.88      1.112      776      28      1.70      3      20°      25.82      22.92      20.01      18.00      15.89      1.243        CBC42N      1112      776      28      1.70      3      0      0      20°      25.77      2.2582      2.338      2.66      1.802      1.70      1.80      1.80      1.80      1.80      1.80      1.80      1.80      1.80      1.80      1.80      1.80      1.80      1.80      2.0°     2.0°     2.0° <th< td=""><td>51</td><td>16,463</td><td>13,354</td><td></td><td></td><td></td><td></td><td></td><td>CBC42K</td><td></td><td>3/4</td><td>631</td><td>18.9</td><td>0.91</td><td>3</td><td>20°</td><td>232</td><td>S42</td></th<>	51	16,463	13,354						CBC42K		3/4	631	18.9	0.91	3	20°	232	S42
54      16.349      16.349      16.349      16.349      1.25      6      0.0      24.6      54.2        55      20.291      16.371      15.588      12.111         CBC4240      11/2      76      6.8      0.0      22.6      8.20        57      22.542      20.01      18.001      15.58      12.453        CBC4200      122      2      8.6      3.2      2.0      3.7      3.2	52	17,092	14,090						CBC426K		3/4	453	15.1	0.91	6	30°	241	S42
55      20.246      17.676      15.158      1        CBC42M      11/2      776      26      1.70      6      30      20      25.67        7      25.47      20.210      18.001      15.589      1.445        CBC42M      42      2      664      32      2.30      6      30°      276      542        2      25.677      25.847      1.680      1.569      1.480      2.80°      CBC42P      3      703      43      6      30°      20°      200      56      31.03      20°      30.03      660      57.71      30.31      20°      30.03      660      57.71      58.5      57.11      50.90      30.00      58.42        61      35.98      4868      33.480      30.81      30.81      27.71      24.61      1.0      71.0      71.0      71.0      71.0      71.0      71.0      71.0      71.0      71.0      71.0      71.0      71.0      71.0      71.0      71.0      71.0      <	53	18,420	15,623	12,748					CBC42L		1	706	23	1.25	3	20°	237	S42
56      20.979      18.637      15.689      12.433        CBC42N      12      25      22.23      3      20°      261      542        57      22.542      20.201      18.001      15.589      12.453        CBC42N      42      2      864      32      2.29      3	54	18,979	16,349						CBC426L		1	503	18.0	1.25	6	30°	246	S42
57    22.424    20.201    18.001    15.889    12.483      CBC42N    42    2    841    2    2    841    2    2    841    2    2    615    25	55	20,246	17,676	15,158	12,111				CBC42M		1 1/2	776	26	1.70	3	20°	252	S42
58    23,205    21,111    18,702    12,606    13,602    17,50    14,802     CBC42P    3    984    40    3.4    3    20    921    542      61    23,528    24,714    22,722    20,386    17,331     CBC42P    3    984    40    3.41    3.4    6    30    542      61    33,980    28,600    28,627    28,244    26,750    21,867    19,83    CBC42P    5    116    5    5.7    3    20''    31''    SR4      63    35,960    34,462    33,31    31,87    33,31    28,80    26,660    CBC42P    71/2    1344    72    8.5'    5    8.0''    30''''    30''''''    30''''''''''''''''''''''''''''''''''''	56	20,979	18,637	15,683					CBC426M		1 1/2	556	21	1.70	6	30°	261	S42
58      23,075      21,111      18,708      15,705      14,807        CBC42P      3      984      40      33.31      3      207      54,27        60      26,625      24,714      22,752      20,386      17,331        CBC42P      3      703      10.8      55      5.71      3      20"      306      SR42        63      35,066      33,492      20,877      22,842      26,737      27,764      26,267      71/2      146      5      5      7.7      3      20"      372      848        64      35,968      34,682      33,318      31.89      30.81      28,880      26,686      CBC42R      71/2      154      12      8.58      6      30"      20"      328      488        67      27,11      24,062      20,721      15,365        CBC48B      1      12      63      20"      33      548        68      26,321      21,816      15,67	57	22,542	20,201	18,001	15,589	12,453			CBC42N	40	2	864	32	2.29	3	20°	267	S42
60      68.525      24.714      22.722      23.648      21.867      19.938      CBC42Q      5      165      5	58	23,205	21,111	18,708	15,393				CBC426N	42	2	615	25	2.30	6	30°	276	S42
61    30.386    28,600    26,945    25,31    23,648    21,867    19,938    CBC42C0    5    1165    55    57.1    3    20"    306    SR42      62    31,303    28,877    28,287    26,587    22,143    7.4    62,621    CFC42R    7.1/2    1344    7.2    3.5    6    3.0"    3.20    3.7    Note 6      64    35,968    34,482    33,318    31,897    30,31    28,680    26,668    CBC42R    7.1/2    954    61    8.57    3    20"    34      65    22,711    12,020    16,868       CBC44BN    1.2"    700    33    2.68    3    34    54    54    34    55    57    33    50    33    50 <	59	25,673	23,584	21,666	19,672	17,506	14,802		CBC42P		3	984	40	3.43	3	20°	291	S42
62    31.333    29.877    28.284    26.573    24.585    2.140     CBC4280    5    832    41    5.69    6    30°    315    SR42      63    36.066    33.462    33.18    13.897    30.31    28.680    26.686    CBC4287    71/2    134    71    13.85    6    3    20°    32    0.20    33    0.20    33    0.20    33    0.20    33    0.20    33    0.20    33    0.20    33    0.20    33    0.20    0.20    0.20    0.20    0.20    0.20    0.20    0.20    0.20    0.20    0.20    0.20    0.20	60	26,525	24,714	22,752	20,386	17,331			CBC426P		3	703	31	3.43	6	30°	300	S42
63    35,066    34,892    34,892    32,019    30,81    29,213    27,64    26,68    CBC42R    71/2    1344    72    8,57    3    20°    372    Note 6      65    32,908    34,803    31,897    30,381    28,800    26,868    CBC42R    71/2    954    51    8.58    6    30°    429    Note 6      66    24,611    21,003    16,698       CBC48N    2    57    3    20°    32    25°    34    448      67    27,11    24,062    20,721    15,365      CBC48N    2    570    33    20°    33    546    30°    33    546    30°    33    546    30°    30°    33    548      70    30,938    27,477    23,31    19,504      CBC48BP    3    504    33    54    33,41    30°    433    80°    30°    438    80°    30°    438    80°    30°    430°    80° <td>61</td> <td>30,396</td> <td>28,600</td> <td>26,945</td> <td>25,331</td> <td>23,648</td> <td>21,867</td> <td>19,938</td> <td>CBC42Q</td> <td></td> <td>5</td> <td>1165</td> <td>55</td> <td>5.71</td> <td>3</td> <td>20°</td> <td>306</td> <td>SR42</td>	61	30,396	28,600	26,945	25,331	23,648	21,867	19,938	CBC42Q		5	1165	55	5.71	3	20°	306	SR42
64    35,996    34,882    33,318    31,897    30,381    28,880    26,686    CBC426R    71/2    954    51    8.58    6    30°    429    Note 6      65    22,286    18,518       CBC48H    11/2    575    23    1.25    3    20°    329    548      67    27,131    24,062    20,721    15,365      CBC48HN    2    512    28    2.26    3    20°    389    548      69    30,088    28,293    25,550    21,801    17.29    15.86      CBC48BP    3    599    41    3.39    3    20°    383    548      70    30,652    25,100    17.29    17.29    18.565    6    25°    393    548      73    35,546    33,060    30,341    28,701    27,702    22,702     CBC48BP    3    504    28    3.41    8    30°    433    548      73    35,546    33,010 </td <td>62</td> <td>31,393</td> <td>29,877</td> <td>28,284</td> <td>26,573</td> <td>24,585</td> <td>22,140</td> <td></td> <td>CBC426Q</td> <td></td> <td>5</td> <td>832</td> <td>41</td> <td>5.69</td> <td>6</td> <td>30°</td> <td>315</td> <td>SR42</td>	62	31,393	29,877	28,284	26,573	24,585	22,140		CBC426Q		5	832	41	5.69	6	30°	315	SR42
65    22,286    18,518        CBC48L    1    575    23    1.25    3    20"    329    548      66    24,611    21,028    16,698        CBC48M    11/2    635    28    1.68    6    25"    334    548      67    27,131    24,062    20,721    15,365       CBC48M    2    512    22    2.27    6    25"    334    548      69    30,968    28,293    25,550    21,826    16,995      CBC48P    3    709    41    3.39    3    20"    383    548      70    30,932    27,467    23,931    19,504      CBC48P    3    709    41    3.39    3    20"    383    548      71    28,626    34,374    32,071    29,736    26,650    22,702     CBC48P    3    70    75    75    75    77 <t< td=""><td>63</td><td>35,066</td><td>33,492</td><td>32,019</td><td>30,613</td><td>29,213</td><td>27,764</td><td>26,251</td><td>CBC42R</td><td></td><td>7 1/2</td><td>1344</td><td>72</td><td>8.57</td><td>3</td><td>20°</td><td>372</td><td>Note 6</td></t<>	63	35,066	33,492	32,019	30,613	29,213	27,764	26,251	CBC42R		7 1/2	1344	72	8.57	3	20°	372	Note 6
66    24,611    21,208    16,698        CBC48M    11/2    635    28    1.68    6    25°    3.34    548      67    27,131    24,062    20,721    15,365        CBC48M    2    512    22    22    22    22    22    22    22    22    22    22    22    22    23    23    3.6    48    548    548    33    548    33    548    33    546    3.39    6    25°    333    548    343    548      71    28,626    3.4,374    32,071    29,750    26,650    22,702     CBC4860    48    58    6    58    36    48    57    418    30°    338    5848    33    546    33,30    30.834    27.00    23,744     CBC4860    71/2    78    69    4.8    58    6    25°    408    5848    597    37    56.2    80°    38,86    39.0° <td>64</td> <td>35,996</td> <td>34,682</td> <td>33,318</td> <td>31,897</td> <td>30,381</td> <td>28,680</td> <td>26,668</td> <td>CBC426R</td> <td></td> <td>7 1/2</td> <td>954</td> <td>51</td> <td>8.58</td> <td>6</td> <td>30°</td> <td>429</td> <td>Note 6</td>	64	35,996	34,682	33,318	31,897	30,381	28,680	26,668	CBC426R		7 1/2	954	51	8.58	6	30°	429	Note 6
67    27,131    24,062    20,721    15,365       CBC436N    2    70    33    2.26    3    20    359    548      68    26,338    22,321    16,1616       CBC436N    2    512    28    2.27    6    25    383    S48      70    30,093    27,457    23,931    19,504      CBC436P    3    504    28    3.41    8    30    3548      71    28,814    27,03    24,644    22,170    17,28     CBC436P    3    504    28    3.41    8    30    3548      73    35,546    33,360    30,814    27,700    23,716    27,702     CBC436P    7    12    179    69    8.32    3.0    38    38    3.0    38    38    38    38    38    38    38    38    38    38    38    38    38    38    38    38    38    38    38	65	22,286	18,518						CBC48L		1	575	23	1.25	3	20°	329	S48
68    26,338    23,218    18,816        CBC436N    2    512    28    2.27    6    2.5°    389    548      69    30,968    22,323    25,550    21,226    16,995      CBC436P    3    565    363    363    548      71    28,891    27,06    24,646    22,110    17,286      CBC436P    3    564    3.41    8    30°    4.33    S48      73    35,656    33,340    30,914    29,736    26,650    22,702     CBC436Q    48    5    951    48    5.6    914    8.588    6    25°    408    SR48      73    35,545    33,650    2,706    30,914    28,77    27,608    23,714    712    107    69    8.32    3    0°    455    SR48      74    34,223    32,706    30,385    36,861    32,762    30,81    2,897    CBC438R    71/2    718    60    8.22 <td< td=""><td>66</td><td>24,611</td><td>21,208</td><td>16,698</td><td></td><td></td><td></td><td></td><td>CBC48M</td><td></td><td>1 1/2</td><td>635</td><td>28</td><td>1.68</td><td>6</td><td>25°</td><td>334</td><td>S48</td></td<>	66	24,611	21,208	16,698					CBC48M		1 1/2	635	28	1.68	6	25°	334	S48
69    30.968    28.233    25.550    21.826    16.995      CBC48P    3    799    41    3.39    3    20°    383    S48      70    30.093    27.477    23.931    19.504      CBC48P    3    564    3.39    6    25°    393    S48      71    28.626    34.374    32.017    29.736    26.662    22.702     CBC48P    48    5    61    4    5.62    8    3.0°    433    S48      73    35.546    33.800    30.914    28.761    26.629    24.161     CBC48P    71/2    7107    69    8.22    3    20°    485    SR48      75    41.820    38.633    36.582    34.61    31.762    30.891    28.997    CBC48P    71/2    718    60    8.28    6    25°    465    SR48    71/2    718    4.3    30°    30°    59    SR48      70    30.152    37.810    37.82    35.81    36.75	67	27,131	24,062	20,721	15,365				CBC48N		2	700	33	2.26	3	20°	359	S48
69    30,968    28,293    25,560    21,826    16,995      CBC48P    3    799    41    3.39    3    20°    383    S48      70    30,093    27,477    23,911    19,504      CBC48P    3    564    3.39    6    25°    393    S48      71    28,626    34,374    32,071    29,706    22,702     CBC48Q    48    5    61    4    5.62    8    3.0°    433    S48    S748      73    35,546    33,600    30,914    28,761    26,629    24,161     CBC48Q    71/2    7107    69    8.32    3    20°    485    SR48      75    41,820    38,635    36,582    34,611    31,762    30,891    23,673    CBC48BR    71/2    788    60    8.28    6    25°    SR48    SR48      75    41,820    38,635    36,585    34,681    32,762    30,903    CBC48BR    71/2    788    60    8.28	68	26,338	23,218	18,616					CBC486N		2	512	28	2.27	6	25°	369	S48
70    30,093    27,457    23,931    19,504       CBC486P    3    585    36    3.3    6    25''    393    S48      71    28,891    27,036    24,646    22,170    17,286      CBC486P    3    504    3.41    8    3.90''    3.54''    3.30''    3.54''    3.54''    3.54''    3.54''    3.54''    3.54''    3.20''    2.70''    2.70''     CBC486Q    5    597    37    5.62''    8    3.0''    3.8'''    SR48    SR48      74    34,223    32,706    30,94''    28,75''    27,61''    CBC486Q    7 1/2'''    708    6.0    8.28'''    6    S''''    S'''''    S''''''    S'''''''''    S''''''''''''''''''''''''''''''''''''	69	30,968		25,550	21,826	16,995			CBC48P		3	799	41	3.39	3	20°	383	S48
71    28,891    27,036    24,646    22,110    17,286     CBC480    48    5    945    54    5.61    3    200    39,88    SR48      73    35,546    33,360    30,834    27,500    23,794     CBC4800    48    5    945    54    5.61    3    200    39,88    SR48      74    34,223    32,706    30,842    27,500    23,714    31,725    27,612    CBC4800    71/2    1079    69    8.32    3    20°    445    SR48      75    41,820    39,851    37,852    35,619    33,764    31,175    27,612    CBC4800    71/2    1079    69    8.32    3    20°    K48    SR48      76    40,533    36,585    36,461    32,762    30,891    CBC4800    71/2    188    60    8.50    S74    8.48    30°    50°    SR48      78    46,044    44,258    41,181    39,145    36,687    34,504    CBC4808    100    168    22	70	30,093		23,931	19,504						3	585	36	3.39	6	25°	393	S48
72    36,62    34,374    32,071    29,736    26,650    22,702     CBC486Q    48    5    94    5.6    5.6    5.6    5.6    5.6    5.8    6.5    408    SR48      73    35,740    30,914    28,761    26,629    24,161     CBC486Q    5    597    7.7    56.2    8.3    30.°°    448    SR48      74    34,223    32,070    30,914    28,519    37,64    31,715    27,627    CBC488Q    71/2    107    9.8    8.2    3    20°    448    SR48      75    41,820    38,653    36,682    34,061    31,038    27,803    32,673    CBC488R    71/2    788    60    8.28    6    25°    498    Note 6      79    44,703    42,983    41,181    38,743    32,762    38,643    30,903    CBC488S    10    188    43    11.09    3    20°    505    SR48      79    44,703    41,818    39,403    37,403    35,64    30,900	71					17,286					3	504	28		8	30°	433	S48
73    35,546    33,360    30,834    27,500    23,794     CBC486Q    48    5    69    48    5.58    6    25°    408    SR48      74    34,223    32,706    30,914    28,761    26,629    24,161     CBC488Q    5    597    37    5.52    8    30°    448    SR48      75    41,820    38,635    36,582    34,106    31,038    27,608    23,673    CBC488Q    7 1/2    788    60    8.28    6    25°    465    SR48      76    40,536    36,685    34,681    32,762    30,891    28,997    CBC488R    7 1/2    683    47    8.38    8    30°    505    SR48      78    46,044    44,258    42,452    40,615    38,763    35,664    33,960    CBC488S    10    1188    83    11.09    3    20°    A89    Note 6      79    44,703    42,994    41,811    39,145    36,698    33,690    CBC486S    10    167    21	72						22.702				5	945	54		3	20°	398	SR48
74    34,223    32,706    30,914    20,761    26,629    24,161     CBC488Q    5    597    37    5.62    8    30°    448    SR48      75    41,820    39,851    37,852    35,819    33,764    31,175    27,612    CBC488R    7 1/2    1079    69    8.32    3    20°    455    SR48      76    40,536    36,885    36,885    34,681    32,760    30,991    28,997    CBC488R    7 1/2    788    60    8.28    6    25°    498    Note 6      78    46,044    44,255    42,452    40,615    38,768    36,785    34,504    CBC488    10    118    83    1109    3    20°    489    Note 6      80    42,993    41,819    40,530    39,080    37,43    35,664    33,990    CBC488S    10    1788    31    1111    6    25°    499    Note 6      81    23,897    17,31       CBC484S    11    467    22			,							48								
75    41,820    39,851    37,852    35,819    33,764    31,175    27,612    CBC48R    7 1/2    1079    69    8.32    3    20°    455    SR48      76    40,536    38,635    36,582    34,106    31,038    27,808    23,673    CBC488R    7 1/2    788    60    8.28    6    25°    465    SR48      77    39,152    37,850    36,585    34,615    38,768    36,875    34,504    CBC488R    71/2    683    47    8.38    8    30°    505    SR48      78    46,044    44,258    42,452    40,615    38,768    36,875    34,504    CBC488    10    188    83    11.01    6    25°    499    Note 6      80    42,993    41,819    40,530    39,080    37,430    35,664    33,969    CBC488    10    750    57    11.10    8    30°    564    S54      81    23,897    17,331       CBC544L    1    467    22 <td>74</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>24.161</td> <td></td> <td></td> <td></td> <td>5</td> <td>597</td> <td>37</td> <td>5.62</td> <td>8</td> <td>30°</td> <td>448</td> <td>SR48</td>	74						24.161				5	597	37	5.62	8	30°	448	SR48
76    40,536    38,635    36,582    34,106    31,038    27,808    23,673    CBC486R    71/2    788    60    8.28    6    25°    465    SR48      77    39,152    37,850    36,385    34,681    32,762    30,891    28,997    CBC488R    71/2    683    47    8.38    8    30°    505    SR48      79    44,703    42,962    41,181    39,145    36,698    33,826    30,903    CBC486S    10    188    83    11.09    3    20°    489    Note 6      81    23,897    17,31       CBC54L    1    467    22    1.12    3    20°    367    S54      82    24,545    18,118       CBC54L    1    467    22    1.12    3    20°    379    S54      83    27,274    22,627       CBC54M    11/2    533    27    1.66    25°    394    S54      83								27,612			7 1/2					20°		
77    39,152    37,850    36,385    34,681    32,762    30,891    28,997    CBC488R    71/2    683    47    8.38    8    30°    505    SR48      78    46,044    44,258    42,452    40,615    38,768    36,875    34,504    30,903    CBC488S    10    1188    83    11.09    3    20°    489    Note 6      79    44,703    42,986    41,819    40,503    39,080    37,430    35,664    33,969    CBC486S    10    869    72    11.11    6    25°    499    Note 6      81    23,897    17,331        CBC54L    1    467    22    1.12    3    20°    367    S54      82    27,74    22,48        CBC54M    11/2    400    27    1.66    3    20°    394    S54      83    30,670    25,683    19,426       CBC54M    2    591    32 <t< td=""><td>76</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>7 1/2</td><td>788</td><td>60</td><td></td><td>6</td><td>25°</td><td>465</td><td></td></t<>	76										7 1/2	788	60		6	25°	465	
78    46,044    44,258    42,452    40,615    38,768    36,875    34,504    CBC48S    10    1188    83    11.09    3    20°    489    Note 6      79    44,703    42,986    41,811    39,145    36,698    33,826    30,903    CBC486S    10    869    72    11.11    6    25°    499    Note 6      80    42,993    41,819    40,530    39,080    37,430    35,664    33,969    CBC486S    10    750    57    11.10    6    25°    382    S54      81    23,897    17,331        CBC546L    1    354    22    1.12    3    20°    382    S54      82    27,274    22,248       CBC54M    11/2    400    27    1.66    3    20°    394    S54      83    30,212    2,627       CBC54M    1    12    400    27    1.67    6    25°    394	77											683	47		8	30°		
79    44,703    42,986    41,181    39,145    36,698    33,826    30,903    CBC486S    10    750    72    11.11    6    25°    499    Note 6      80    42,993    41,819    40,530    39,080    37,430    35,664    33,969    CBC488S    10    750    57    11.10    8    30°    539    Note 6      81    23,897    17,331        CBC546L    1    354    22    1.16    6    25°    382    S54      82    24,545    18,118        CBC54M    11/2    533    27    1.66    3    20°    379    S54      83    27,274    22,248       CBC54M    11/2    400    27    1.67    6    25°    394    S54      84    30,670    25,681    19,499       CBC54M    2    443    31    2.27    6    25°    395    354	78											1188	83		3	20°		
80    42,993    41,819    40,530    39,080    37,430    35,664    33,969    CBC488S    10    750    57    11.10    8    30°    539    Note 6      81    23,897    17,331        CBC546L    1    467    22    1.12    3    20°    367    S54      82    24,545    18,118        CBC546L    1    354    22    1.16    6    25°    382    S54      83    27,735    22,627        CBC54M    11/2    400    27    1.66    3    20°    394    S54      84    27,735    22,627       CBC54M    2    400    22    2.6    3    20°    380    S54      85    30,242    25,651    19,237      CBC54M    2    443    31    2.27    6    25°    395    S54      86    30,15    31,38	79	44,703									10				6	25°	499	
82    24,545    18,118        CBC546L    1    354    22    1.16    6    25°    382    S54      83    27,274    22,248        CBC54M    11/2    533    27    1.66    3    20°    379    S54      84    27,735    22,627        CBC546M    11/2    400    27    1.67    6    25°    394    S54      85    30,242    25,651    19,237       CBC546N    2    443    31    2.276    6    25°    395    S54      86    30,716    26,933    19,489       CBC546N    2    443    31    2.276    6    25°    395    S54      87    34,489    30,670    25,683    19,426      CBC546P    3    505    39    3.37    6    25°    417    S54      89    34,923 <td>80</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>10</td> <td>750</td> <td>57</td> <td>11.10</td> <td></td> <td>30°</td> <td>539</td> <td>Note 6</td>	80										10	750	57	11.10		30°	539	Note 6
82    24,545    18,118        CBC546L    1    354    22    1.16    6    25°    382    S54      83    27,274    22,248        CBC54M    11/2    533    27    1.66    3    20°    379    S54      84    27,735    22,627        CBC546M    11/2    400    27    1.67    6    25°    394    S54      85    30,242    25,651    19,237       CBC546N    2    443    31    2.276    6    25°    395    S54      86    30,716    26,933    19,489       CBC546N    2    443    31    2.276    6    25°    395    S54      87    34,489    30,670    25,683    19,426      CBC546P    3    505    39    3.37    6    25°    417    S54      89    34,923 <td>81</td> <td>23,897</td> <td>17,331</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>CBC54L</td> <td></td> <td>1</td> <td>467</td> <td>22</td> <td>1.12</td> <td>3</td> <td>20°</td> <td>367</td> <td>S54</td>	81	23,897	17,331						CBC54L		1	467	22	1.12	3	20°	367	S54
8427,73522,627CBC546M $11/2$ 40027 $1.67$ $6$ $25^{\circ}$ $394$ $554$ 85 $30,242$ $25,651$ $19,237$ CBC54N2 $591$ $32$ $2.26$ $3$ $20^{\circ}$ $380$ $554$ 86 $30,716$ $26,393$ $19,489$ CBC546N2 $443$ $31$ $2.27$ $6$ $25^{\circ}$ $395$ $554$ 87 $34,489$ $30,670$ $25,683$ $19,426$ CBC546N2 $443$ $31$ $2.27$ $6$ $25^{\circ}$ $395$ $554$ 88 $35,015$ $31,385$ $26,047$ CBC546P $3$ $505$ $39$ $3.37$ $6$ $25^{\circ}$ $417$ $554$ 89 $34,923$ $31,816$ $28,534$ $24,930$ CBC546P $54$ $3$ $424$ $23$ $3.37$ $8$ $30^{\circ}$ $462$ $554$ 90 $40,988$ $38,123$ $34,250$ $29,377$ $24,447$ CBC546Q $56$ $801$ $55$ $5.64$ $3$ $20^{\circ}$ $430$ $554$ 91 $41,602$ $38,628$ $35,073$ $30,128$ CBC546Q $5$ $600$ $53$ $5.65$ $8$ $30^{\circ}$ $490$ $554$ 92 $41,512$ $38,925$ $36,265$ $33,442$ $30,555$ $22,550$ <t< td=""><td>82</td><td>24,545</td><td>18,118</td><td></td><td></td><td></td><td></td><td></td><td>CBC546L</td><td></td><td>1</td><td>354</td><td>22</td><td>1.16</td><td>6</td><td>25°</td><td>382</td><td>S54</td></t<>	82	24,545	18,118						CBC546L		1	354	22	1.16	6	25°	382	S54
8427,73522,627CBC546M $11/2$ $400$ 27 $1.67$ $6$ $25^{\circ}$ $394$ S5485 $30,242$ $25,651$ $19,237$ CBC54N $2$ $591$ $32$ $2.26$ $3$ $20^{\circ}$ $380$ S5486 $30,716$ $26,393$ $19,489$ CBC546N $2$ $443$ $31$ $2.27$ $6$ $25^{\circ}$ $395$ S5487 $34,489$ $30,670$ $25,683$ $19,426$ CBC546N $2$ $443$ $31$ $2.27$ $6$ $25^{\circ}$ $395$ $554$ 88 $35,015$ $31,385$ $26,047$ CBC546P $3$ $505$ $39$ $3.37$ $6$ $25^{\circ}$ $417$ $554$ 89 $34,923$ $31,816$ $28,534$ $24,930$ CBC546P $54$ $3$ $424$ $23$ $3.37$ $6$ $25^{\circ}$ $417$ $554$ 90 $40,988$ $38,123$ $34,250$ $29,377$ $24,447$ CBC546P $54$ $3$ $424$ $23$ $3.37$ $8$ $30^{\circ}$ $462$ $554$ 91 $41,602$ $38,628$ $35,073$ $30,128$ CBC546P $56$ $600$ $53$ $5.65$ $8$ $30^{\circ}$ $49$ $554$ 92 $41,512$ $38,925$ $36,265$ $33,442$ $30,555$	83	27,274									1 1/2	533	27	1.66	3	20°	379	S54
86    30,716    26,393    19,489      CBC546N    2    443    31    2.27    6    25°    395    S54      87    34,489    30,670    25,683    19,426      CBC54P    3    674    40    3.36    3    20°    402    S54      88    35,015    31,385    26,047       CBC54P    3    505    39    3.37    6    25°    417    S54      89    34,923    31,816    28,534    24,930      CBC548P    54    3    424    23    3.37    8    30°    462    S54      90    40,988    38,123    34,250    29,377    24,447      CBC546P    5    801    55    5.64    3    20°    430    S54      91    41,602    38,628    35,073    30,128      CBC546Q    5    600    53    5.65    8    30°    490    S54 <t< td=""><td>84</td><td>27,735</td><td>22,627</td><td></td><td></td><td></td><td></td><td></td><td>CBC546M</td><td></td><td>1 1/2</td><td>400</td><td>27</td><td>1.67</td><td>6</td><td>25°</td><td>394</td><td>S54</td></t<>	84	27,735	22,627						CBC546M		1 1/2	400	27	1.67	6	25°	394	S54
87    34,489    30,670    25,683    19,426      CBC54P    3    674    40    3.36    3    20°    402    S54      88    35,015    31,385    26,047       CBC546P    3    505    39    3.37    6    25°    417    S54      89    34,923    31,816    28,534    24,930      CBC548P    54    3    424    23    3.37    8    30°    462    S54      90    40,988    38,123    34,250    29,377    24,447      CBC54Q    5    801    55    5.64    3    20°    430    S54      91    41,602    38,628    35,073    30,128      CBC54Q    5    600    53    5.65    6    25°    445    S54      92    41,512    38,925    36,205    33,442    30,555    22,550     CBC54Q    5    504    32    5.65    8    30°    490	85	30,242	25,651	19,237					CBC54N		2	591	32	2.26	3	20°	380	S54
87    34,489    30,670    25,683    19,426      CBC54P    3    674    40    3.36    3    20°    402    S54      88    35,015    31,385    26,047       CBC546P    3    505    39    3.37    6    25°    417    S54      89    34,923    31,816    28,534    24,930      CBC548P    54    3    424    23    3.37    8    30°    462    S54      90    40,988    38,123    34,250    29,377    24,447      CBC54Q    5    801    55    5.64    3    20°    430    S54      91    41,602    38,628    35,073    30,128      CBC54Q    5    600    53    5.65    6    25°    445    S54      92    41,512    38,925    36,205    33,442    30,555    22,550     CBC54Q    5    504    32    5.65    8    30°    490	86										2	443		2.27	6	25°	395	
89    34,923    31,816    28,534    24,930      CBC548P    54    3    424    23    3.37    8    30°    462    S54      90    40,988    38,123    34,250    29,377    24,447      CBC54Q    5    801    55    5.64    3    20°    430    S54      91    41,602    38,628    35,073    30,128      CBC54Q    5    600    53    5.65    6    25°    445    S54      92    41,512    38,925    36,205    33,442    30,555    22,550     CBC54Q    5    504    32    5.65    8    30°    490    S54      93    46,770    44,345    40,954    37,973    33,060    28,834    22,856    CBC54R    7 1/2    914    70    8.40    3    20°    487    S854      94    47,496    44,917    42,085    38,456    34,052    27,310     CBC54R    7 1/2    685    68    8.	87	34,489	30,670	25,683	19,426				CBC54P		3	674	40	3.36	3	20°	402	S54
89    34,923    31,816    28,534    24,930      CBC548P    54    3    424    23    3.37    8    30°    462    S54      90    40,988    38,123    34,250    29,377    24,447      CBC54Q    5    801    55    5.64    3    20°    430    S54      91    41,602    38,628    35,073    30,128      CBC54Q    5    600    53    5.65    6    25°    445    S54      92    41,512    38,925    36,205    33,442    30,555    22,550     CBC54Q    5    504    32    5.65    8    30°    490    S54      93    46,770    44,345    40,954    37,973    33,060    28,834    22,856    CBC54R    7 1/2    914    70    8.40    3    20°    487    S854      94    47,496    44,917    42,085    38,456    34,052    27,310     CBC54R    7 1/2    685    68    8.																		
90    40,988    38,123    34,250    29,377    24,447      CBC54Q    5    801    55    5.64    3    20°    430    S54      91    41,602    38,628    35,073    30,128      CBC54Q    5    600    53    5.65    6    25°    445    S54      92    41,512    38,925    36,205    33,442    30,555    22,550     CBC548Q    5    504    32    5.65    8    30°    490    S54      93    46,770    44,345    40,954    37,973    33,060    28,834    22,856    CBC54R    7 1/2    914    70    8.40    3    20°    487    SR54      94    47,496    44,917    42,085    38,456    34,052    27,310     CBC548R    7 1/2    685    68    8.40    6    25°    502    SR54      95    47,360    45,106    42,762    40,339    37,927    35,450    30,415    CBC548R    7 1/2    575    41<										54								
91    41,602    38,628    35,073    30,128      CBC546Q    5    600    53    5.65    6    25°    445    S54      92    41,512    38,925    36,205    33,442    30,555    22,550     CBC548Q    5    504    32    5.65    8    30°    490    S54      93    46,770    44,345    40,954    37,973    33,060    28,834    22,856    CBC54R    7 1/2    914    70    8.40    3    20°    487    SR54      94    47,496    44,917    42,085    38,456    34,052    27,310     CBC546R    7 1/2    685    68    8.40    6    25°    502    SR54      95    47,360    45,106    42,762    40,339    37,927    35,450    30,415    CBC548R    7 1/2    575    41    8.41    8    30°    547    SR54      96    51,427    49,252    46,535    43,341    40,552    35,673    31,882    CBC54S    10    1005						24,447												
92    41,512    38,925    36,205    33,442    30,555    22,550     CBC548Q    5    504    32    5.65    8    30°    490    S54      93    46,770    44,345    40,954    37,973    33,060    28,834    22,856    CBC54R    7 1/2    914    70    8.40    3    20°    487    SR54      94    47,496    44,917    42,085    38,456    34,052    27,310     CBC546R    7 1/2    685    68    8.40    6    25°    502    SR54      95    47,360    45,106    42,762    40,339    37,927    35,450    30,415    CBC548R    7 1/2    575    41    8.41    8    30°    547    SR54      96    51,427    49,252    46,535    43,341    40,552    35,673    31,882    CBC54S    10    1005    85    11.16    3    20°    519    SR54      97    52,141    49,803    47,318    44,426    40,599    36,761    30,266    CBC546S <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>																		
93    46,770    44,345    40,954    37,973    33,060    28,834    22,856    CBC54R    7 1/2    914    70    8.40    3    20°    487    SR54      94    47,496    44,917    42,085    38,456    34,052    27,310     CBC546R    7 1/2    685    68    8.40    6    25°    502    SR54      95    47,360    45,106    42,762    40,339    37,927    35,450    30,415    CBC548R    7 1/2    575    41    8.41    8    30°    547    SR54      96    51,427    49,252    46,535    43,341    40,552    35,673    31,882    CBC548S    10    1005    85    11.16    3    20°    519    SR54      97    52,141    49,803    47,318    44,426    40,599    36,761    30,266    CBC546S    10    752    81    11.11    6    25°    534    SR54																		
9447,49644,91742,08538,45634,05227,310CBC546R7 1/2685688.40625°502SR549547,36045,10642,76240,33937,92735,45030,415CBC548R7 1/2575418.41830°547SR549651,42749,25246,53543,34140,55235,67331,882CBC54SR1010058511.16320°519SR549752,14149,80347,31844,42640,59936,76130,266CBC546S107528111.11625°534SR54																		
95    47,360    45,106    42,762    40,339    37,927    35,450    30,415    CBC548R    7 1/2    575    41    8.41    8    30°    547    SR54      96    51,427    49,252    46,535    43,341    40,552    35,673    31,882    CBC54S    10    1005    85    11.16    3    20°    519    SR54      97    52,141    49,803    47,318    44,426    40,599    36,761    30,266    CBC546S    10    752    81    11.11    6    25°    534    SR54																		
96    51,427    49,252    46,535    43,341    40,552    35,673    31,882    CBC54S    10    1005    85    11.16    3    20°    519    SR54      97    52,141    49,803    47,318    44,426    40,599    36,761    30,266    CBC546S    10    752    81    11.11    6    25°    534    SR54																		
97 52,141 49,803 47,318 44,426 40,599 36,761 30,266 <b>CBC546S</b> 10 752 81 11.11 6 25° 534 SR54																		
	98	52,054	50,011	47,901	45,720	43,506	41,325	39,066	CBC548S		10	632	47	11.15	8	30°	589	SR54

# Type CBC Performance Ratings (cont'd)

99      27,        100      28,        101      31,        102      31,        103      34,        104      35,        105      39,        106      39,        107      40,        108      47,	0" ,428 ,382 ,382 ,771 ,253 ,667 ,792 ,135 ,559	1/8" 19,065 17,778 24,760 24,731 29,285 29,369 35,018 35,008 36,888 43,239 43,691	1/4"  20,768  28,189 25,314 29,353 38,812	21,036   21,036  	1/2"      	5/8"     	3/4"    	Fan Model <sup>2</sup> CBC60L CBC606L CBC60M CBC606M CBC60N CBC606N	Size	HP 1 1 1/2 1 1/2 2	<b>RPM</b> 437 304 500 344 554	<b>Rating<sup>3</sup></b> 25 21 31 25 27	BHP <sup>4,7</sup> 1.11 1.16 1.66 1.68 2.26	No. 3 6 3 6 3	Pitch 15° 25° 15° 25° 15°	<b>Ship Wt.</b> 381 401 393 413	<b>Model</b> <sup>5</sup> S60 S60 S60 S60
100      28,        101      31,        102      31,        103      34,        104      35,        105      39,        106      39,        107      40,        108      47,	,128 ,382 ,829 ,771 ,253 ,667 ,879 ,792 ,135 ,559	17,778 24,760 24,731 29,285 29,369 35,018 35,008 36,888 43,239	 20,768  28,189 25,314 29,353	   21,036 	   	   	  	CBC606L CBC60M CBC606M CBC60N		1 1 1/2 1 1/2	304 500 344	21 31 25	1.16 1.66 1.68	6 3 6	25° 15° 25°	401 393 413	S60 S60
101      31,        102      31,        103      34,        104      35,        105      39,        106      39,        107      40,        108      47,	,382 ,829 ,771 ,253 ,667 ,879 ,792 ,135 ,559	24,760 24,731 29,285 29,369 35,018 35,008 36,888 43,239	 20,768  28,189 25,314 29,353	   21,036 	  	  	  	CBC60M CBC606M CBC60N		1 1/2 1 1/2	500 344	31 25	1.66 1.68	3 6	15° 25°	393 413	S60
102      31,1        103      34,1        104      35,1        105      39,1        106      39,3        107      40,1        108      47,1	,829 ,771 ,253 ,667 ,879 ,792 ,135 ,559	24,731 29,285 29,369 35,018 35,008 36,888 43,239	 20,768  28,189 25,314 29,353	  21,036 	  	  		CBC606M CBC60N		1 1/2	344	25	1.68	6	25°	413	
103    34,      104    35,      105    39,      106    39,      107    40,      108    47,	,771 ,253 ,667 ,879 ,792 ,135 ,559	29,285 29,369 35,018 35,008 36,888 43,239	20,768  28,189 25,314 29,353	  21,036 	 	 		CBC60N									S60
104    35,1      105    39,1      106    39,1      107    40,1      108    47,1	5,253 9,667 9,879 9,792 7,135 7,559	29,369 35,018 35,008 36,888 43,239	 28,189 25,314 29,353	 21,036 						2	661	07	2 26	3	15°	000	
105 39, 106 39, 107 40, 108 47,	,667 ,879 ,792 ,135 ,559	35,018 35,008 36,888 43,239	28,189 25,314 29,353	21,036 				CRCCOCN		-	554	37	2.20	-	10	393	S60
106 39, 107 40, 108 47,	,879 ,792 ,135 ,559	35,008 36,888 43,239	25,314 29,353					CBCOUGN		2	381	30	2.28	6	25°	414	S60
107 40, 108 47,	,792 ,135 ,559	36,888 43,239	29,353					CBC60P		3	632	46	3.35	3	15°	415	S60
108 47,	,135 ,559	43,239						CBC606P		3	413	38	3.30	6	25°	435	S60
,	,559		38.812					CBC608P	60	3	333	28	3.34	8	35°	485	S60
109 47,	,	43,691		32,500	26,273			CBC60Q	60	5	751	63	5.63	3	15°	442	S60
	632	.0,001	38,535	28,873				CBC606Q		5	514	52	5.60	6	25°	462	S60
110 48,	,052	45,237	42,170	33,641				CBC608Q		5	397	39	5.65	8	35°	512	S60
111 53,	,788	50,368	46,894	42,068	36,622	30,983		CBC60R		7 1/2	857	81	8.36	3	15°	500	SR60
112 54,3	,313	50,997	47,035	41,603				CBC606R		7 1/2	587	67	8.34	6	25°	520	SR60
113 55,4	,492	52,444	49,790	46,804	37,802			CBC608R		7 1/2	453	49	8.40	8	35°	570	SR60
114 59,	,123	56,008	52,907	49,337	44,191	39,475	34,242	CBC60S		10	942	97	11.10	3	15°	533	SR60
115 59,8	,865	56,883	53,520	49,330	43,084			CBC606S		10	647	81	11.16	6	25°	553	SR60
116 61,	,126	58,317	55,858	53,424	50,051	40,852		CBC608S		10	499	59	11.23	8	35°	603	SR60
117 44,	,303	35,814						CBC72N		2	281	24	2.19	8	20°	732	S72
118 51,	,083	44,599	35,032					CBC72P		3	324	31	3.35	8	20°	754	S72
119 60,	,700	55,262	47,784	40,066				CBC72Q		5	385	41	5.62	8	20°	768	S72
120 69,	,371	64,532	59,668	51,733	45,056	32,768		CBC72R	72	7 1/2	440	52	8.40	8	20°	826	S72
121 76,	,466	72,029	67,882	61,637	55,122	48,437	38,049	CBC72S		10	485	63	11.24	8	20°	857	SR72
122 87,	,187	83,258	79,601	75,745	69,544	63,744	58,787	CBC72T*		15	553	80	16.67	8	20°	928	SR72
123 96,	,332	92,758	89,377	86,112	82,174	76,074	70,901	CBC72U*		20	611	98	22.48	8	20°	962	Note 6
124 54,	,338	40,521						CBC84N		2	218	21	2.19	8	20°	1044	S84
125 62,	,564	52,069	35,886					CBC84P		3	251	26	3.34	8	20°	1067	S84
126 74,	,528	66,415	54,355	39,643				CBC84Q		5	299	36	5.65	8	20°	1092	S84
127 84,	,997	77,824	68,687	58,350	43,030			CBC84R	84	7 1/2	341	45	8.38	8	20°	1149	S84
128 93,	,721	87,139	80,433	69,678	60,413			CBC84S		10	376	54	11.24	8	20°	1180	SR84
129 106	6,931	101,088	95,624	88,192	78,813	71,136	59,347	CBC84T		15	429	69	16.69	8	20°	1253	SR84
130 117		112,565	107,578	102,269	93,763	86,019	79,119	CBC84U*		20	473	83	22.38	8	20°	1287	SR84

 Performance shown is for Installation Type A: free inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

2 —The first three letters of the model number identify fan type, drive configuration and style. The next two numbers indicate fan size, the next letter identifies motor horsepower. For example: Model CBC48N is Type "C", belt drive, Style "C", 48" size, 2 H.P.

- 3 The sound ratings shown are loudness values in hemispherical sones at 1.5m (5 ft.) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet hemispherical sone levels. The sound ratings shown are at 0" static pressure.
- 4 Maximum brake horsepower (BHP) within the catalog performance range. Power rating (BHP) does not include transmission losses. Bearing losses are included. BHP at most static pressures listed is less than that shown, in some cases substantially less. For specific BHP values at individual static pressure points contact your American Coolair representative. Because of the cooling the motor receives from the moving air stream, motor loading beyond the nominal nameplate ratings on these American Coolair fans does not overheat the motor and is within NEMA recommended limits and motor service factor. It is not detrimental to the motor and is economically desirable.

5 — Shutter models shown are automatic (gravity) type. Add suffix "M" for manual operation; suffix "E" for motor operation.

6 — Consult factory for these shutter specifications.

7 — To convert air performance (CFM and SP) and power (BHP) to metric units, multiply CFM x .000472 to obtain cubic meters per second (m<sup>3</sup>/s). Multiply SP x 248.36 to obtain pascals (Pa). Multiply BHP x .7457 to obtain kilowatts (kW).

Example: 3904 CFM x .000472 = 1.8427 m<sup>3</sup>/s 0.125 SP x 248.36 = 31.05 Pa 0.886 BHP x .7457 = 0.661 kW

# Type CD (Models CDP-CDU-CDC)

DIRECT DRIVE — 330 to 61,400 CFM 0" to 3/4" STATIC PRESSURE



### CDP

CDP fans provide an efficient and economical means to move relatively low volumes of air. Each CDP features 3, 4, or 5 aluminum blades. The available speed controller accessory allows the CDP's motor speed to be varied to achieve performances from 50% to 100% of catalog ratings. A welded steel wire inlet guard is standard on all CDP models.



### CDU

CDU fans are ideal for quietly moving low to medium volumes of air. The CDU features 3 formed steel "teardrop" blades specifically engineered for ultra-quiet operation. A PVC coated steel wire inlet guard is standard on all CDU models, and a motor speed controller is available on some models (see the performance table).

### Application

CD fans are designed for minimal maintenance requirements and efficient, economical operation.

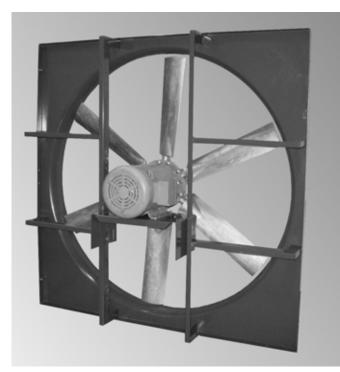
These fans are suggested for use in situations where the installed fan will be difficult to reach for periodic maintenance.

These fans can used for either air supply or exhaust by specifying the arrangement desired.

### Features

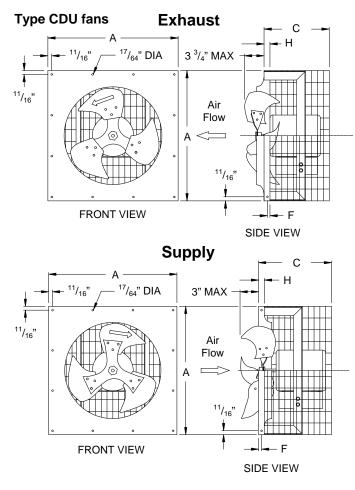
American Coolair's Type C panel and rugged angle frame form the structure for CD fans.

The propeller assembly is connected directly to the motor shaft. There are no bearings or belts to require maintenance. Many motors are permanently lubricated.



## CDC

For moving medium to high air volumes, the CDC is the answer. CDC fans incorporate specifically engineered airfoil sections and hub sizes for optimum efficiency and physical strength. Three, four or six cast aluminum adjustable pitch airfoil blades are securely attached to a heavy cast aluminum hub. Blade pitch is set for catalog performance. NOTE: The blade pitch should not be adjusted without first contacting your American Coolair representative.



#### Dimensions

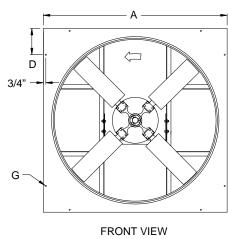
Dimension A is the O.D. of the square fan panel.

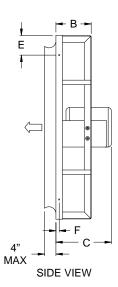
Dimension B is the depth from the face of the fan panel to the back of the fan frame.

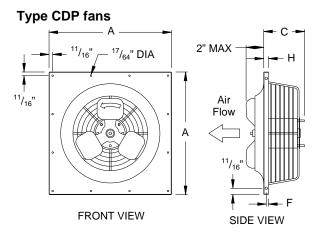
Dimension C is the maximum with constant speed, 3-phase TEFC motor of maximum horsepower for fan size and style indicated. This dimension will vary with the type and HP of the motor actually selected.

Dimension G is the diameter of the installation holes.

### Type CDC fans







### **TYPE CDP AND CDU FANS**

_	Di	mension	s in Inch	es
Fan	Α	С	F	н
CDP7	14	5	1/4	1/2
CDP8	14	5	1/4	1/2
CDP10	18	5	1/4	1/2
CDU12	18	11	1/4	1/2
CDP14	22	5	1/2	1
CDU14	22	12	1/2	1
CDP16	22	7 1/2	1/2	1
CDU16	22	12	1/2	1
CDP18	26	7 1/2	1/2	1
CDU18	26	14	1/2	1
CDU20	26	14	1/2	1
CDU24	32	14	1/2	1

### **TYPE CDC FANS**

Fan			Dimens	sions in	Inches		
Size	Α	В	С	D	Е	F	G
18	26	5 5/8	13 3/8	11/16	11/16	9/16	17/64
24	32	5 1/8	12 1/2	6	5	7/8	3/8
30	38	5 1/8	13 7/8	6	5	7/8	3/8
36	44	5 1/8	15 3/8	7	5	7/8	3/8
42	50	5 1/8	15 3/8	7	4	7/8	3/8
48	56	6 5/8	17 3/8	8	6	1	3/8
54	62	6 5/8	17 3/8	8	6	1	3/8
60	68	6 5/8	17 3/8	11	9	1	1/2

# **Performance Ratings**



American Coolair Corporation certifies that the Type CD fan models shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

# **Typical Specifications**

Direct driven propeller fans shall be American Coolair Type CD as manufactured by American Coolair Corporation, Jacksonville, Florida; specific models shall be as shown in the fan schedule. Panels and structural angle supports shall be of welded steel construction (CDC). Fan blades shall be formed aluminum (CDP), formed steel (CDU), or cast aluminum (CDC) securely attached to heavy cast aluminum hub. Blade pitch shall be adjustable (CDC). Entire blade assembly shall be mounted directly to the motor shaft. Fans shall be licensed to bear the AMCA Certified Ratings Seal for air and sound performance. (Specify for each fan model in schedule the required CFM and static pressure; motor enclosure, phase and voltage; and accessories such as wall shutter, motor side or front guard, wall housing, etc.)

Item	Cub	oic Feet	Per Minu	te (CFM)	at Static	Pressur	e <sup>1,8</sup>		Fan	Motor	Fan	Sone	Max	Blade	Descr.	Approx.	Shutter
No.	0"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	Fan Model <sup>2</sup>	Size	HP	RPM	Rating <sup>3</sup>	BHP <sup>4,8</sup>	No.	Pitch	Ship Wt.	Model <sup>5</sup>
1	333	_	_	_	_	_	_	CDP7B17 <sup>7</sup>	7	1/20	1725	5.1	0.01	5	30°	12	SU7-8
2	530	450	_	_	_	—	—	CDP8B177	8	1/20	1675	7.1	0.03	5	32°	12	SU7-8
3	793	687	_	_	_	_	_	CDP10B15 <sup>7</sup>	10	1/20	1560	9.2	0.05	5	37°	13	SU10-12
4	1,165	900	_	_	_	_	_	CDU12H117		1/3	1160	4.4	0.07	3	41°	34	SU10-12
5	1,500	1,380	1,210	—	—	—	—	CDU12F17 <sup>7</sup>	12	1/6	1750	7.6	0.16	3	33°	34	SU10-12
6	1,760	1,630	1,430		_		_	CDU12H17		1/3	1750	9.8	0.23	3	41°	37	SU10-12
7	1,144	1,001	_	_	_	—	—	CDP14B15 <sup>7</sup>		1/20	1450	11.9	0.06	3	18°	22	SU14-16
8	1,750	1,555	_	—	_	_	_	CDU14H117	14	1/3	1160	6.7	0.16	3	41°	37	SU14-16
9	2,035	1,920	1,795	_	—	—	—	CDU14F17 <sup>7</sup>		1/6	1750	9.2	0.23	3	29°	38	SU14-16
10	2,635	2,520	2,395	2,200	_	_	_	CDU14H17		1/3	1750	13.8	0.38	3	41°	40	SU14-16
11	2,388	2,198	_	_	_	—	—	CDP16G11 <sup>7</sup>		1/4	1140	6.7	0.17	4	32°	33	SU14-16
12	2,480	2,235	1,935	—	_	—	—	CDU16H11 <sup>7</sup>	16	1/3	1160	9.7	0.23	3	41°	37	SU14-16
13	2,970	2,845	2,690	2,515	2,285	—	—	CDU16H17		1/3	1750	16.6	0.39	3	32°	44	SU14-16
14	3,281	2,842	2,225	_	_	_	_	CDP18G10 <sup>7</sup>		1/4	1060	9.8	0.32	4	40°	38	SU18-20
15	2,905	2,700	2,435	—	—	—	—	CDU18H11 <sup>7</sup>		1/3	1160	8.9	0.30	3	32°	41	SU18-20
16	3,265	3,130	2,960	—	—	—	—	CDU18H17		1/3	1750	14.7	0.40	3	21°	44	SU18-20
17	3,760	3,660	3,510	3,355	3,150	—	—	CDU18J17		1/2	1750	16.2	0.58	3	25°	50	SU18-20
18	4,385	4,230	4,110	3,960	3,780	—	—	CDU18K17		3/4	1750	17.5	0.76	3	32°	57	SU18-20
19	2,890	2,526	2,032	—	_	—	—	CDC18F11		1/6	1160	9.5	0.18	4	23.5°	60	SU18-20
20	3,328	3,035	2,632	_	_	—	—	CDC18G11	18	1/4	1160	11.5	0.29	6	28°	62	SU18-20
21	3,856	3,543	3,059	_	_	_	_	CDC18H11		1/3	1160	12.4	0.38	6	33.5°	58	SU18-20
22	2,642	2,299	1,967	1,595	_	—	—	CDC18F17		1/6	1750	15.4	0.19	3	10.5°	51	SU18-20
23	3,659	3,373	3,068	2,706	2,235	_	_	CDC18H17		1/3	1750	16.8	0.38	3	19°	55	SU18-20
24	4.050	3,820	3,587	3,320	2,993	2,610	2,194	CDC18J17		1/2	1750	18.7	0.57	4	21°	63	SU18-20
25	5,065	4,851	4,569	4,272	3,942	3,456	2,894	CDC18K17		3/4	1750	23	0.85	4	29.5°	70	SU18-20
26	5,435	5,214	4,980	4,770	4,546	4,258	3,909	CDC18L17		1	1750	22	1.20	6	31°	74	SU18-20
27	3,920	3,680	3,405	3,055	_	_	_	CDU20H117		1/3	1160	11.5	0.39	3	31°	42	SU18-20
28	3,235	2,870			_	_	_	CDU20H17	20	1/3	1750	22	0.39	3	13°	45	SU18-20
29	4,940	4,815	4,670	4,520	4,340	—	—	CDU20K17		3/4	1750	24	0.89	3	24°	58	SU18-20
30	4,670	4,175	3,180	_	_	_	_	CDU24G8		1/4	830	8.9	0.28	3	28°	63	SU24
31	4,800	4,345	_	_	_	_	_	CDU24H11 <sup>7</sup>		1/3	1160	14.1	0.39	3	20°	53	SU24
32	6,525	6,220	5,815		—	—	—	CDU24J11		1/2	1160	16.2	0.69	3	28°	63	SU24
33	5,890	4,869	3,546	_	_	_	_	CDC24G8		1/4	870	12.1	0.29	3	28°	95	S24
34	6,923	6,304	5,478	3,998	_	_	_	CDC24J8		1/2	870	15.4	0.57	6	30.5°	119	S24
35	5,659	4,996	4,300	3,262	_	_	_	CDC24H11		1/3	1160	17.7	0.37	3	15.5°	100	S24
36	7,197	6,519	5,714	4,812	_	_	_	CDC24J11	24	1/2	1160	19.1	0.59	3	23.5°	95	S24
37	8,567	7,747	6,728	5,837	4,308	_	_	CDC24K11	••	3/4	1160	22	0.85	3	33°	104	S24
38	9,318	8,574	7,813	6,957	5,707	_	_	CDC24L11		1	1160	25	1.14	4	33.5°	122	S24
39	8,229	7,753	7,358	6,983	6,460	5,854	5,210	CDC24L17		1	1750	34	1.18	3	14.5°	100	S24
40	9,810	9,382	8,942	8,470	7,916	7,374	6,807	CDC24M17		1 1/2	1750	36	1.70	3	19.5°	122	SR24
41	11,646	11,235	10,739	10,221	9,651	9,052	8,445	CDC24N17		2	1750	39	2.31	3	27°	117	SR24
42	13,449	12,948	12,461	12,005	11,563	11,089	10,517	CDC24P17		3	1750	56	3.47	4	 31°	143	SR24
12	10, 140	12,040	12,401	12,000	,000	11,000	10,017	353271 17		5		50	0.77	r		1 70	01.12-7

# Type CDC Performance Ratings (cont'd)

					at Static	Pressur	e <sup>1,8</sup>	-	Fan	Motor	Fan	Sone	Max	Blade	Descr.	Approx.	Shutter
No.	0"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	Fan Model <sup>2</sup>	Size	HP	RPM	Rating <sup>3</sup>	BHP <sup>4,8</sup>	No.	Pitch	Ship Wt.	Model⁵
43	6,959	5,680	3,716	_	_	_	_	CDC30G8		1/4	870	15.3	0.29	3	12.5°	108	S30
44	9,727	8,287	6,678	_	_	_	_	CDC30J8		1/2	870	16.5	0.58	3	22.5°	116	S30
45 <sup>-</sup>	11,088	9,857	8,475	6,852	_	_	_	CDC30K8		3/4	870	21	0.85	4	25°	121	S30
46	10,211	9,439	8,380	7,253	5,364	—	—	CDC30K11		3/4	1160	26	0.87	3	15°	131	S30
47	11,971	11,026	9,884	8,785	7,265	—	—	CDC30L11	30	1	1160	27	1.14	3	19.5°	136	S30
48 <sup>-</sup>	13,453	12,657	11,661	10,742	9,675	8,208	—	CDC30M11	00	1 1/2	1160	31	1.70	4	22°	162	S30
49 <sup>-</sup>	15,421	14,507	13,519	12,375	11,277	10,049	—	CDC30N11		2	1160	34	2.27	4	27°	175	SR30
50 <sup>·</sup>	13,716	13,156	12,517	11,835	11,161	10,457	9,695	CDC30N17		2	1750	47	2.24	3	12°	131	S30
	16,883	16,339	15,746	14,907	14,287	13,592	12,818	CDC30P17		3	1750	52	3.46	3	17.5°	157	SR30
52 2	20,296	19,791	19,262	18,500	17,905	17,332	16,731	CDC30Q17		5	1750	65	5.73	4	22°	175	SR30
53	15,166	13,428	11,504	8,275	—	—	_	CDC36L6		1	680	24	1.13	6	23.5°	195	S36
54	17,616	16,111	13,671	10,232	—	—	—	CDC36M6		1 1/2	680	26	1.67	6	30°	247	S36
55	9,928	8,214	6,126	—	—	—	—	CDC36J8		1/2	870	24	0.56	3	8.5°	139	S36
56 <sup>-</sup>	13,266	11,226	9,218	_	_	_	_	CDC36K8		3/4	870	26	0.85	3	15.5°	150	S36
57	15,110	13,215	10,748	8,133	—	—	—	CDC36L8		1	870	27	1.14	3	20°	178	S36
58	17,697	15,810	13,253	10,129		—	—	CDC36M8		1 1/2	870	28	1.72	3	27.5°	185	S36
59 <sup>-</sup>	19,152	17,634	15,906	13,468	—	—	—	CDC36N8		2	870	33	2.30	4	28.5°	239	SR36
60 2	22,314	21,202	19,777	17,836	15,385	12,578	—	CDC36P8	36	3	870	39	3.41	6	29.5°	270	SR36
61 <sup>·</sup>	15,810	14,417	12,949	11,604	10,038	—	—	CDC36M11		1 1/2	1160	40	1.70	3	12.5°	185	S36
62 <sup>-</sup>	18,781	17,324	15,688	13,922	12,336	10,551	—	CDC36N11		2	1160	42	2.31	3	17.5°	194	SR36
	22,145	20,931	19,114	17,409	15,401	13,202	—	CDC36P11		3	1160	44	3.44	3	24°	240	SR36
	25,938	24,835	23,680	22,432	20,951	19,063	16,909	CDC36Q11		5	1160	54	5.71	4	29.5°	289	Note 6
	22,279	21,361	20,488	19,630	18,799	17,981	17,159	CDC36Q17		5	1750	79	5.73	3	11°	196	SR36
	27,585	26,651	25,669	24,602	23,646	22,722	21,819	CDC36R17		7 1/2	1750	83	8.47	3	16.5°	240	Note 6
67 3	31,604	30,726	29,804	28,832	27,791	26,684	25,542	CDC36S17		10	1750	78	11.19	3	20.5°	267	Note 6
68	18,329	15,148	11,428	—	_	—	—	CDC42L6		1	680	28	1.16	3	18.5°	237	S42
69 2	20,660	17,624	14,584	11,783	—	—	—	CDC42M6		1 1/2	680	31	1.71	4	21.5°	293	S42
	22,048	19,876	17,980	16,050	—	—	—	CDC42N6		2	680	36	2.31	6	22°	319	S42
	16,053	13,871	11,574	8,770	—	—	—	CDC42L8		1	870	33	1.14	3	8°	229	S42
72 '	19,684	17,398	14,856	12,241	_	_	_	CDC42M8		1 1/2	870	37	1.70	3	13°	238	S42
	22,803	20,405	17,788	14,905	_	_	_	CDC42N8	42	2	870	41	2.27	3	17.5°	286	S42
	23,247	21,939	20,679	19,429	18,052	16,304	13,495	CDC42P8		3	870	49	3.31	6	15°	351	S42
	19,570	17,975	16,339	14,624	12,881	10,654	—	CDC42N11		2	1160	51	2.29	3	6°	189	S42
	23,738	21,937	20,306	18,759	17,055	14,854	12,235	CDC42P11		3	1160	58	3.31	3	10.5°	225	S42
	31,267	29,640	27,673	25,656	23,586	21,408	19,055	CDC42Q11		5	1160	70	5.78	3	18.5°	240	SR42
	30,907	29,798	28,711	27,672	26,655	25,554	24,398	CDC42R17		7 1/2	1750	114	8.45	3	7°	225	SR42
79 :	35,812	34,607	33,414	32,280	31,206	30,175	29,155	CDC42S17		10	1750	128	11.27	3	10.5°	245	Note 6
	19,158	15,792	12,004	—	—	—	_	CDC48L6		1	680	29	1.16	3	9°	270	S48
		19,348	15,364	_	—	_	_	CDC48M6		1 1/2	680	31	1.70	3	14°	308	S48
		21,994		15,530	—	_	_	CDC48N6		2	680	37	2.33	4	15.5°	331	S48
		21,044			11,815	—	—	CDC48N8		2	870	41	2.26	3	8°	302	S48
	'	26,364	23,143		16,624	—	—	CDC48P8		3	870	47	3.45	3	13.5°	319	S48
	'	32,759	29,209		'	—	—	CDC48Q8	48	5	870	49	5.64	3	21.5°	378	SR48
		37,352	35,207			_	_	CDC48R8		7 1/2	870	68	8.50	6	20°	428	SR48
		30,247	28,224	26,105			19,483	CDC48Q11		5	1160	70	5.60	3	8.5°	319	S48
	39,344	37,422	35,328		30,462	28,136	25,773	CDC48R11		7 1/2	1160	80	8.47	3	14°	359	SR48
		42,565	40,131	37,704		32,752		CDC48S11		10	1160	81	11.33	3	18.5°	395	Note 6
		44,428				39,127		CDC48T17		15	1750	142	16.76	3	7°	359	Note 6
91 4	49,629	48,619	47,609	46,599	45,581	44,500	43,422	CDC48U17		20	1750	161	22.17	4	7.5°	395	Note 6

# Type CDC Performance Ratings (cont'd)

Item	m Cubic Feet Per Minute (CFM) at Static Pressure <sup>1,8</sup>								Fan	Motor	Fan	Sone	Max	Blade	Descr.	Approx.	Shutter
No.	0"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	Fan Model <sup>2</sup>	Size	HP	RPM	Rating <sup>3</sup>	BHP <sup>4,8</sup>	No.	Pitch	Ship Wt.	Model⁵
92	26,200	22,089	17,992	_	_	_	_	CDC54M6	54	1 1/2	680	37	1.73	3	8.5°	375	S54
93	29,639	25,602	20,796	14,890	—	—	—	CDC54N6		2	680	39	2.27	3	12°	397	S54
94	32,293	29,264	26,144	22,614	18,652	—	—	CDC54P8		3	870	54	3.33	3	7.5°	393	S54
95	41,756	37,845	35,237	30,261	26,772	23,053		CDC54Q8		5	870	61	5.82	3	15°	443	SR54
96	48,304	45,458	42,027	35,213	30,889	26,860	_	CDC54R8		7 1/2	870	67	8.61	3	22°	473	SR54
97	43,875	41,864	39,351	36,781	34,602	32,118	29,100	CDC54R11		7 1/2	1160	94	8.28	3	8°	439	SR54
98	50,560	48,007	45,916	43,404	39,866	37,179	35,111	CDC54S11		10	1160	103	11.36	3	12°	473	SR54
99	58,018	56,403	54,597	52,499	49,742	47,262	45,173	CDC54T11		15	1160	128	17.41	4	14.5°	500	Note 6
100	31,795	26,932	21,425	16,194	_	_	_	CDC60N6	60	2	680	40	2.29	3	6°	412	S60
101	37,877	32,608	27,882	21,251	_	_	_	CDC60P6		3	680	48	3.44	3	11°	492	S60
102	43,820	39,639	36,142	32,648	27,552	23,321	_	CDC60Q8		5	870	66	5.78	3	8°	452	S60
103	52,955	49,203	44,663	40,761	35,890	28,254	_	CDC60R8		7 1/2	870	80	8.71	3	14°	484	SR60
104	54,238	51,001	48,093	45,745	43,499	40,386	35,960	CDC60S11		10	1160	104	11.38	3	6°	480	SR60
105	61,427	59,014	56,886	55,040	52,871	49,802	46,550	CDC60T11		15	1160	123	16.81	4	7.5°	510	SR60

1 — Performance shown is for Installation Type A: free inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

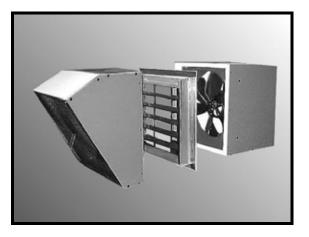
2 — The first three letters of the model number identify fan type, drive configuration and style. The next two numbers indicate fan size, the next letter identifies motor horsepower, the last number (or numbers) indicates RPM in hundreds. For example: Model CDC24G8 is Type "C", direct drive, Style "C", 24" size, 1/4 H.P., 870 RPM.

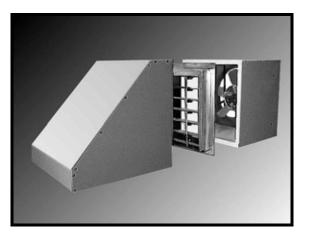
- 3 The sound ratings shown are loudness values in hemispherical sones at 1.5m (5 ft.) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: free inlet hemispherical sone levels. The sound ratings shown are at 0" static pressure.
- 4 Maximum brake horsepower (BHP) within the catalog performance range. Power rating (BHP) does not include transmission losses. Bearing losses are included. BHP at most static pressures listed is less than that shown, in some cases substantially less. For specific BHP values at individual static pressure points contact your American Coolair representative. Because of the cooling the motor receives from the moving air stream, motor loading beyond the nominal nameplate ratings on these American Coolair fans does not overheat the motor and is within NEMA recommended limits and motor service factor. It is not detrimental to the motor and is economically desirable.
- 5 Shutter models shown are automatic (gravity) type. Add suffix "M" for manual operation; suffix "E" for motor operation.

6 — Consult factory for these shutter specifications.

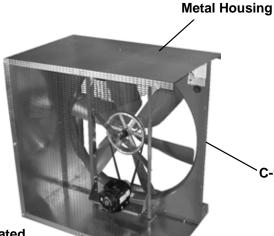
- 7 Manually adjustable variable speed controller is available as an option on these models. Control provides infinite variation of motor speed from full speed, which is RPM shown, to 50% of full speed. It is available only with single-phase, 115V or 230V motors. Specify "variable speed control" when this accessory is desired.
- 8 To convert air performance (CFM and SP) and power (BHP) to metric units, multiply CFM x .000472 to obtain cubic meters per second (m<sup>3</sup>/s). Multiply SP x 248.36 to obtain pascals (Pa). Multiply BHP x .7457 to obtain kilowatts (kW).

Example: 3904 CFM x .000472 = 1.8427 m<sup>3</sup>/s 0.125 SP x 248.36 = 31.05 Pa 0.886 BHP x .7457 = 0.661 kW





# **OPTIONAL FAN PACKAGE COMPONENTS**





Shutter - (LRW shown - S/SR/SU shutter also may be used)

PVC-Coated Wire Guard

# **ACCESSORIES FOR FAN PACKAGES**

C-Fan

### **INLET HOOD OPTION**

- Specifically designed for supply applications
- Designed to prevent entrainment of moisture into the airstream
- Hardware kit included for ease of assembly
- PVC-coated wire guard available
- Wide range of sizes to fit every need

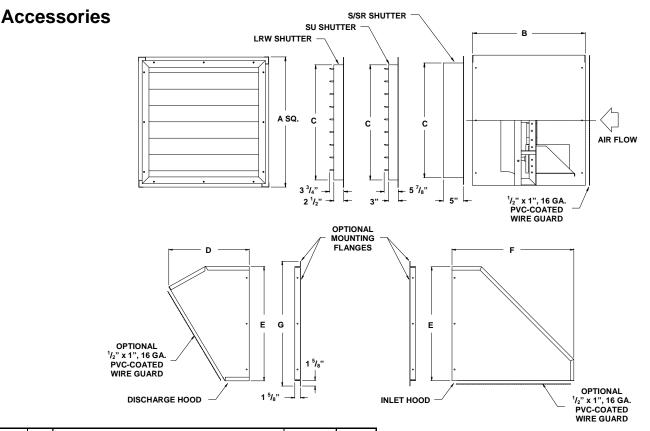
## **DISCHARGE HOOD OPTION**

- Specifically designed for exhaust applications
- Designed for all-weather performance with minimal pressure losses
- Hardware kit included for ease of assembly
- PVC-coated wire guard available
- Wide range of sizes to fit every need

### MOUNTING FLANGE OPTION

- For mounting inlet hood or discharge hood to the wall
- For mounting metal housing to the wall
- Hardware kit included for attaching to hood or fan housing





				METAL								
STYLE	UNIT SIZE	A SQ.	в	С		D	Е	F	G	GAUGES		WALL
			ľ	LRW	S/SR/SU	"	-	•	Ŭ	HSG	HOOD	OPENING
МН	7-8	14 <sup>1</sup> / <sub>4</sub>	16 <sup>1</sup> / <sub>8</sub>		10 <sup>1</sup> / <sub>4</sub>	13	14 <sup>1</sup> / <sub>2</sub>	15 <sup>1</sup> / <sub>2</sub>	17 <sup>1</sup> / <sub>2</sub>	22	22	15 SQ.
МН	10-12	18 <sup>1</sup> / <sub>4</sub>	21 <sup>1</sup> / <sub>8</sub>	1	14 <sup>1</sup> / <sub>4</sub>	15	18 <sup>1</sup> / <sub>2</sub>	19 <sup>1</sup> / <sub>2</sub>	21 <sup>1</sup> / <sub>2</sub>	20	22	19 SQ.
МН	14-16	22 <sup>1</sup> / <sub>4</sub>	25 <sup>3</sup> / <sub>8</sub>		18 <sup>1</sup> / <sub>4</sub>	17	22 <sup>1</sup> / <sub>2</sub>	23 <sup>1</sup> / <sub>2</sub>	25 <sup>1</sup> / <sub>2</sub>	20	22	23 SQ.
МН	18-20	26 <sup>1</sup> / <sub>4</sub>	25 <sup>3</sup> / <sub>8</sub>		22 <sup>1</sup> / <sub>4</sub>	19	26 <sup>1</sup> / <sub>2</sub>	27 <sup>1</sup> / <sub>2</sub>	29 <sup>1</sup> / <sub>2</sub>	20	22	27 SQ.
мн	24	32 <sup>1</sup> / <sub>4</sub>	26 <sup>7</sup> / <sub>8</sub>	27	28 <sup>3</sup> / <sub>8</sub>	22	32 <sup>1</sup> / <sub>2</sub>	33 <sup>1</sup> / <sub>2</sub>	35 <sup>3</sup> / <sub>8</sub>	20	20	33 SQ.
МН	30	38 <sup>1</sup> / <sub>4</sub>	26 <sup>7</sup> / <sub>8</sub>	33	34 <sup>3</sup> / <sub>8</sub>	24 <sup>5</sup> / <sub>8</sub>	38 <sup>1</sup> / <sub>2</sub>	39 <sup>1</sup> / <sub>2</sub>	41 <sup>3</sup> / <sub>8</sub>	20	20	39 SQ.
мн	36	44 <sup>1</sup> / <sub>4</sub>	32 <sup>5</sup> / <sub>8</sub>	39	40 <sup>3</sup> / <sub>8</sub>	27 <sup>5</sup> / <sub>8</sub>	44 <sup>1</sup> / <sub>2</sub>	45 <sup>1</sup> / <sub>2</sub>	47 <sup>3</sup> / <sub>8</sub>	18	18	45 SQ.
мн	42	50 <sup>1</sup> / <sub>4</sub>	32 <sup>5</sup> / <sub>8</sub>	45	46 <sup>3</sup> / <sub>8</sub>	30 <sup>1</sup> / <sub>4</sub>	50 <sup>1</sup> / <sub>2</sub>	51 <sup>1</sup> / <sub>2</sub>	53 <sup>3</sup> / <sub>8</sub>	18	18	51 SQ.
мн	48	56 <sup>1</sup> / <sub>4</sub>	32 <sup>5</sup> / <sub>8</sub>	51	52 <sup>3</sup> / <sub>8</sub>	32 <sup>7</sup> / <sub>8</sub>	56 <sup>1</sup> / <sub>2</sub>	57 <sup>1</sup> / <sub>2</sub>	59 <sup>3</sup> / <sub>8</sub>	18	18	57 SQ.
мнн		56 <sup>3</sup> / <sub>8</sub>	JZ /8						59 <sup>1</sup> / <sub>2</sub>	16 14		57 <sup>1</sup> / <sub>8</sub> SQ.
МНХ		56 <sup>1</sup> / <sub>2</sub>	44 <sup>1</sup> / <sub>2</sub>						59 <sup>3</sup> / <sub>4</sub>			57 <sup>1</sup> / <sub>4</sub> SQ.
мнн	54	62 <sup>3</sup> / <sub>8</sub>	32 <sup>5</sup> / <sub>8</sub>	57	58 <sup>3</sup> / <sub>8</sub>	35 <sup>3</sup> / <sub>4</sub>	62 <sup>1</sup> / <sub>2</sub>	63 <sup>1</sup> / <sub>2</sub>	65 <sup>5</sup> / <sub>8</sub>	14	18	63 <sup>1</sup> / <sub>8</sub> SQ.
МНХ		62 <sup>1</sup> / <sub>2</sub>	44 <sup>1</sup> / <sub>2</sub>	57					65 <sup>7</sup> / <sub>8</sub>			63 <sup>1</sup> / <sub>4</sub> SQ.
мнн	60	68 <sup>3</sup> / <sub>8</sub>	32 <sup>5</sup> / <sub>8</sub>	-	64 <sup>3</sup> / <sub>8</sub>	35 <sup>3</sup> / <sub>4</sub>	68 <sup>1</sup> / <sub>2</sub>	69 <sup>1</sup> / <sub>2</sub>	71 <sup>5</sup> / <sub>8</sub>	14	18	69 <sup>1</sup> / <sub>8</sub> SQ.
мнх		68 <sup>1</sup> / <sub>2</sub>	44 <sup>1</sup> / <sub>2</sub>						71 <sup>7</sup> / <sub>8</sub>			69 <sup>1</sup> / <sub>4</sub> SQ.
МНХ	72	80 <sup>3</sup> / <sub>4</sub>	45 <sup>1</sup> / <sub>4</sub>		80 <sup>3</sup> / <sub>4</sub>				84	12		81 <sup>1</sup> / <sub>2</sub> SQ.
МНХ	84	92 <sup>3</sup> / <sub>4</sub>	45 <sup>1</sup> / <sub>4</sub>		92 <sup>3</sup> / <sub>4</sub>		-	-	96	12		93 <sup>1</sup> / <sub>2</sub> SQ.

#### **Limited Warranty**

In the sale of its products, American Coolair Corporation agrees to correct, by repairs or replacement, any defects in workmanship or material that may develop under proper and normal use during the period of one year from the date of shipment from the factory. Any product or part proving, upon American Coolair's examination, to be defective during limited warranty period will be repaired or replaced, at American Coolair's option, f.o.b. factory, without charge.

Deterioration or wear caused by chemicals, abrasive action or excessive heat shall not constitute defects.

Motors are guaranteed only to the extent of the manufacturer's warranty.

American Coolair's limited warranty does not apply to any of its products or parts that have been subject to accidental damage, misuse by the user, unauthorized modifications, improper installation or electrical wiring, or lack of proper lubrication or other service requirements as established by American Coolair.

Repairs or replacements provided under the above terms shall constitute fulfillment of all American Coolair's obligations with respect to limited warranty.

THE LIMITED WARRANTY STATED HEREIN IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, STATUTORY OR IMPLIED, INCLUDING WITHOUT LIMITATION THAT OF MERCHANTABILITY AND FITNESS.

NO LIABILITY FOR REINSTALLATION COST OR FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY NATURE IS ASSUMED OR SHALL BE IMPOSED UPON AMERICAN COOLAIR.

## **Accessory Dimensions**

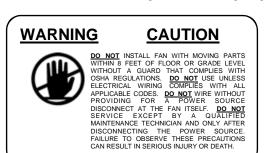
Dimension A is the OD of the square metal housing, excluding hardware.

Dimension B is the length of the metal housing.

Dimension C is the OD of the shutter frame.

Dimension D is the overall length of the discharge hood. Dimension E is the overall height of the discharge and inlet hoods.

Dimension F is the overall length of the inlet hood. Dimension G is the overall height of the mounting flanges.



REPRESENTED BY:

