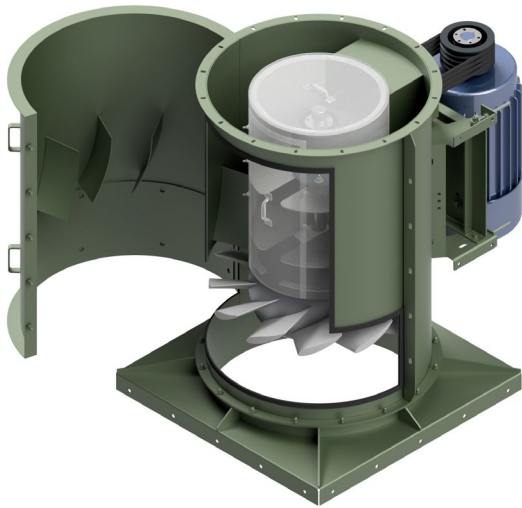
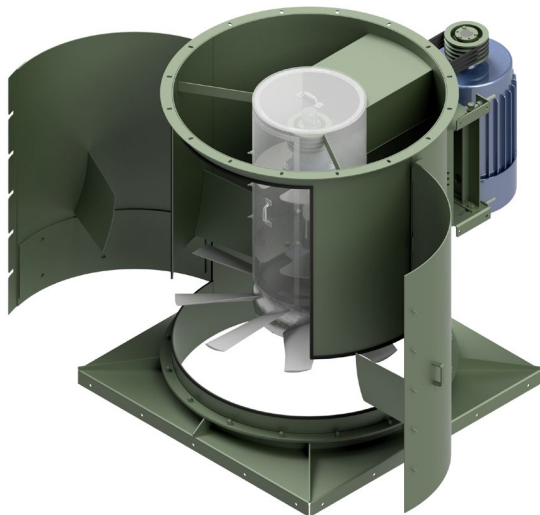


VANEAXIAL FIXED PITCH (VXFP) CLAMSHELL DESIGN FAN



Arrangement 9-R VXFP
single door clamshell fan
with reinforced curb cap
(standard), flanged inlet and
outlet. Sizes 18-32.



Arrangement 9-R VXFP
double door clamshell fan
with reinforced curb cap
(standard), flanged inlet and
outlet. Sizes 36-60.



THE NEW YORK BLOWER COMPANY
7660 Quincy Street
Willowbrook, IL 60527-5530

Visit us on the Web: <http://www.nyb.com>
Phone: (800) 208-7918 Email: nyb@nyb.com

CLAMSHELL FANS

The Vaneaxial Fixed Pitch Clamshell Fans are designed to offer similar advantages to the swingout door option at a lower cost. Clamshell construction provides easy access to the internal components of the fan allowing routine maintenance to be completed without removing any ductwork.

DESIGN FEATURES

- Twelve sizes...18" to 60" wheel diameters
- Sizes 18-32 (single door) and 36-60 (double door) construction
- Available in arrangements 9-V and 9-R
- Easy removal of wheel, shaft and bearings without affecting ductwork

CONSTRUCTION FEATURES

Heavy-gauge welded components – provide structural strength, durability, and minimal leakage.

Cast Aluminum Wheel - airfoil shaped fixed pitch cast aluminum blades provide highly efficient, quiet operation for clean-air applications. Pitch is adjustable at time of order.

Balance - all wheels are precision-balanced prior to final assembly. Fans with motors and drives mounted by **nyb** are checked at the specified running speed.

Lifting eyes - located for balanced handling.

Finish - industrial grade paint system consisting of **nyb** green enamel.

ACCESSORIES AND MODIFICATIONS

- SAFETY EQUIPMENT / WEATHER COVER**
Belt guards, inlet and outlet guards and weather covers are available. Selection of the appropriate safety accessories is the responsibility of the system designer familiar with the specific installation.
- COMPANION FLANGES**
Fits flush with fan inlet and outlet flanges. Provided with matching hole pattern.
- STACK HOOD**
Stack hood with built-in back-draft dampers for outdoor exhaust applications.
- CURB CAP**
Gusseted cover with bolt holes on perimeter. Includes flange for fan mounting.
- MOTOR AND DRIVES**
A wide-array of motor and drive components are available factory-mounted by **nyb**.
- INLET DAMPER**
Bolt-on damper assembly provides volume control...for modulating systems...electric and pneumatic damper operators are also available.
- SHAFT SEAL**
Ceramic-felt seal elements encased between metal backing plate and retaining disc...elements can be easily split for field installation and maintenance...lubricated lip seals are also available.
- SPARK-RESISTANT CONSTRUCTION**
AMCA B [wheel type] SRC and AMCA C [buffer type] SRC construction available on Sizes 18-60. SRC construction not available with inlet damper or inlet guard.

MATERIAL SPECIFICATIONS

Dimensions in inches. Tolerance: +/- 1/8"

MOTOR SIZE CAPABILITY

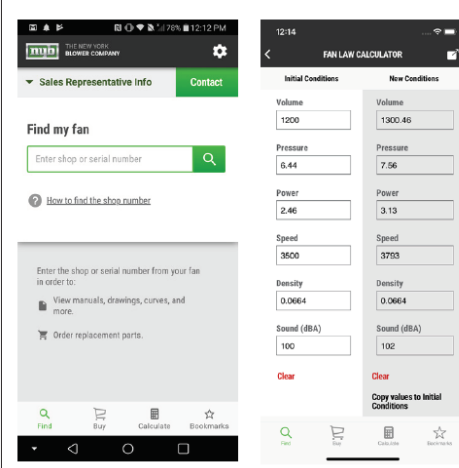
Size	Maximum C-[N-W]	Maximum Frame Size
18-08-08	22 5/8	324T
18-12-12	24 1/8	364T
21-08-09	22 5/8	326T
21-12-12	24 1/8	364T
21-16-16	24 1/8	364T
24-12-09	22 5/8	324T
24-16-12	24 1/8	364T
27-12-09	22 5/8	326T
27-16-12	24 1/8	365T
27-20-16	25	365T
29-12-09	24 5/8	364T
29-16-12	27 5/8	405T
29-20-16	27 5/8	405T
32-16-09	25 1/4	364T
32-20-12	27 5/8	405T
36-16-09	25 1/4	365T
36-20-12	31 5/8	405T
36-26-15	32 7/8	405T
38-16-09	27 5/8	405T
38-20-12	36 1/8	445T
38-26-15	36 1/8	445T
42-20-09	34 7/8	405T
42-26-12	38 7/8	445T
48-20-09	34 3/8	445T
48-26-12	38 3/8	445T
54-26-09	41 7/8	445T
60-26-09	44 1/2	445T

FAN FLANGE DIMENSIONS

Size	Flange Gauge	Fan ID	Bolting Circle	Flange OD	Flange Slots*	
					No.	Size
18-08-08	7	18 1/4	20	21 5/8	8	7/16 X 13/16
18-12-12	7	18 1/4	20	21 5/8	8	7/16 X 13/16
21-08-09	7	21 3/16	23	24 5/8	8	7/16 X 13/16
21-12-12	7	21 3/16	23	24 5/8	8	7/16 X 13/16
21-16-16	7	21 3/16	23	24 5/8	8	7/16 X 13/16
24-12-09	7	24 3/8	26 1/8	27 3/4	8	7/16 X 13/16
24-16-12	7	24 3/8	26 1/8	27 3/4	8	7/16 X 13/16
27-12-09	7	27 3/8	29 1/8	30 3/4	8	7/16 X 13/16
27-16-12	7	27 3/8	29 1/8	30 3/4	8	7/16 X 13/16
27-20-16	7	27 3/8	29 1/8	30 3/4	8	7/16 X 13/16
29-12-09	7	29 3/16	31	32 5/8	16	7/16 X 13/16
29-16-12	7	29 3/16	31	32 5/8	16	7/16 X 13/16
29-20-16	7	29 3/16	31	32 5/8	16	7/16 X 13/16
32-16-09	7	32 1/2	34 1/4	35 7/8	16	7/16 X 13/16
32-20-12	7	32 1/2	34 1/4	35 7/8	16	7/16 X 13/16
36-16-09	7	36 1/2	38 5/16	41	16	7/16 X 13/16
36-20-12	7	36 1/2	38 5/16	41	16	7/16 X 13/16
36-26-15	7	36 1/2	38 5/16	41	16	7/16 X 13/16
38-16-09	1/4"	38	40 1/4	42 1/2	16	9/16 X 1
38-20-12	1/4"	38	40 1/4	42 1/2	16	9/16 X 1
38-26-15	1/4"	38	40 1/4	42 1/2	16	9/16 X 1
42-20-09	1/4"	42 3/4	45	47 1/4	16	9/16 X 1
42-26-12	1/4"	42 3/4	45	47 1/4	16	9/16 X 1
48-20-09	1/4"	48 3/4	51	53 3/8	16	9/16 X 1
48-26-12	1/4"	48 3/4	51	53 3/8	16	9/16 X 1
54-26-09	3/8"	55	57 7/16	59 5/8	16	9/16 X 1
60-26-09	3/8"	61	63 7/16	65 5/8	16	9/16 X 1

* Slots spaced equally, straddling centerline

NEW YORK BLOWER'S MOBILE APPLICATION



Mobile app is now available for iOS and Android phones. Simply entering the fan's file (shop) number into the app allows users the following:

- Ability to view job specific fan drawings, performance curves and installation/maintenance (IM) Manuals.
- Ability to order replacement wheels, shafts, inlet assemblies, bearings, motors and drive components (belts, sheaves, couplings).
- View current fan performance and calculate system changes.

Other key features include:

- Ability to view online fan catalog and technical data.
- Identify and contact local nyb representative.



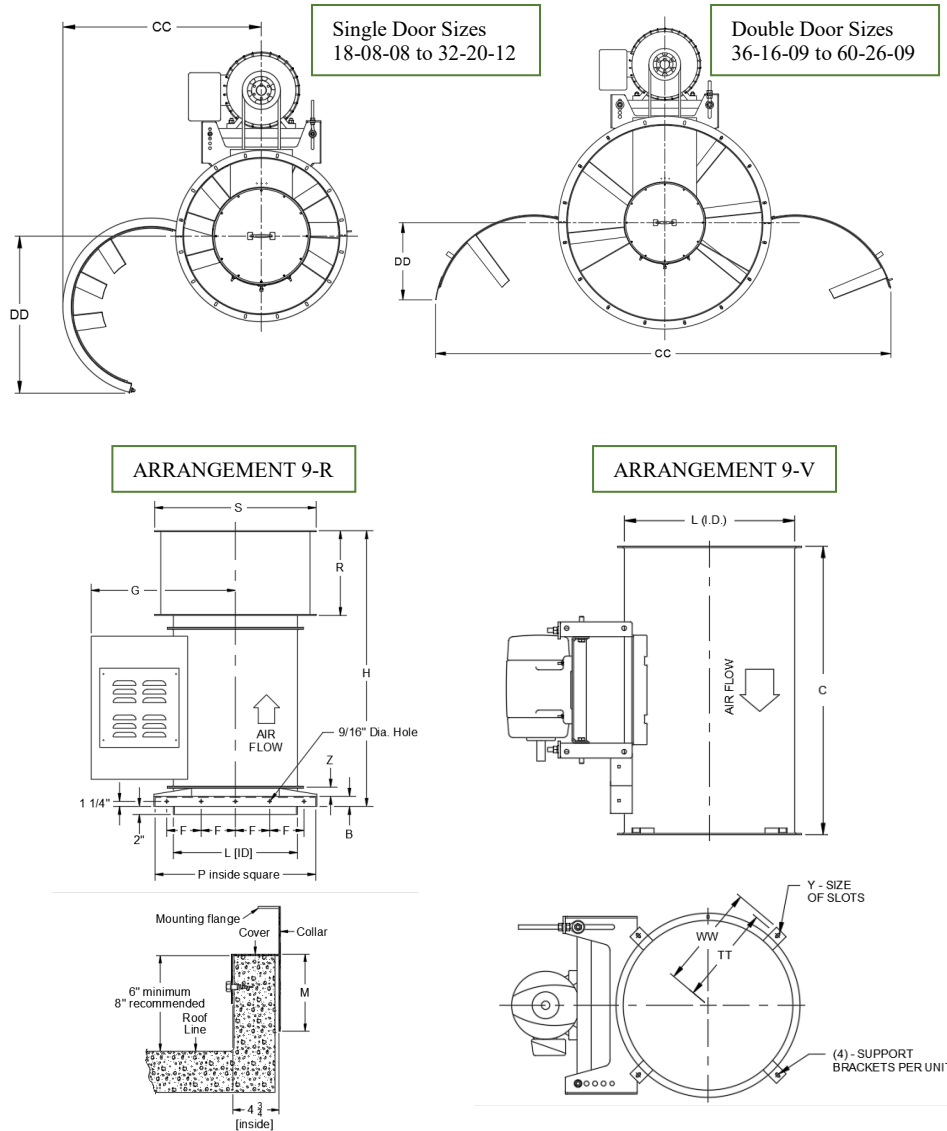
DIMENSIONS

Dimensions should not be used for construction unless certified. Note motor size limits on page 2.

Tolerance: +/- 1/8".

Size	CC	DD	C	G max*	H
18-08-08	25	20 1/2	37 3/4	34 1/4	63 3/8
18-12-12	25	20 1/2	40 3/8	38 1/4	66
21-08-09	30	23 1/2	38 1/4	35 3/4	66 7/8
21-12-12	30	23 1/2	43 3/8	39 3/4	72
21-16-16	30	23 1/2	41 7/8	39 3/4	70 1/2
24-12-09	33	26 1/2	41 1/4	37 1/2	78 7/8
24-16-12	33	26 1/2	44 1/8	41 1/2	79 3/4
27-12-09	34	30	43 1/4	39	80 7/8
27-16-12	34	30	46 1/8	43	83 3/4
27-20-16	34	30	47 3/4	43	85 3/8
29-12-09	38	32	42 5/8	43	81 1/4
29-16-12	38	32	45	43 3/4	83 5/8
29-20-16	38	32	46 5/8	46 1/2	85 1/4
32-16-09	40	35	48	45 1/2	88 1/8
32-20-12	40	35	48 1/4	48 1/4	88 3/8
36-16-09	88	29	48	47 1/2	93 1/8
36-20-12	88	29	52 1/4	50 1/4	97 3/8
36-26-15	88	29	54 1/4	50 1/4	99 3/8
38-16-09	90	30	47 3/4	51	94
38-20-12	90	30	53 7/8	54	100 1/8
38-26-15	90	30	55 7/8	54	102 1/8
42-20-09	100	33	58 3/8	53 1/2	106 5/8
42-26-12	100	33	63 3/8	56 1/2	111 5/8
48-20-09	112	38	57 7/8	59 1/2	112 1/8
48-26-12	112	38	62 7/8	59 1/2	117 1/8
54-26-09	122	42	66 3/8	62 1/2	123 5/8
60-26-09	140	46	69 3/8	65 1/2	130 5/8

*G Max: Weather cover and belt guard will not exceed maximum dimension.



Size	B	F	L	M	P	R	S	TT	WW	Y	Z
18	2 1/2	5 1/2	18 1/4	4 1/2	28	18	25 1/8	12 1/2	13 3/4	9/16 x 1	2
21	2 1/2	6	21 3/16	4 1/2	31	21	28 1/8	13 7/8	15 1/8	9/16 x 1	2
24	2 1/2	7	24 3/8	4 1/2	34 1/8	23	31 1/8	15 1/2	16 3/4	9/16 x 1	2
27	2 1/2	8	27 3/8	4 1/2	37 1/8	25	34 1/8	17	18 1/4	9/16 x 1	2
29	2 1/2	8 1/2	29 3/16	4 1/2	39 1/2	26	36 1/8	18 3/4	20 1/4	3/4 x 1 1/2	2
32	3	9	32 1/2	5	41 5/8	26	39 1/8	20 3/8	21 7/8	3/4 x 1 1/2	3
36	3	10 1/2	36 1/2	5	46 1/4	31	43 1/8	22 3/8	23 7/8	3/4 x 1 1/2	3
38	3	11 1/4	38	5	49 1/2	32	45 1/8	23 1/8	24 5/8	3/4 x 1 1/2	3
42	3	12	42 3/4	5	52 5/8	34	47 1/8	25 1/2	27	3/4 x 1 1/2	3
48	3	13	48 3/4	5	58 5/8	40	56 1/8	28 1/2	30	3/4 x 1 1/2	3
54	3	14	55	5	64 7/8	43	62 1/8	32 1/4	33 3/4	1 x 2	3
60	3	14 1/2	61	5	70 7/8	47	68 1/8	35 1/4	36 3/4	1 x 2	3

NOTES

