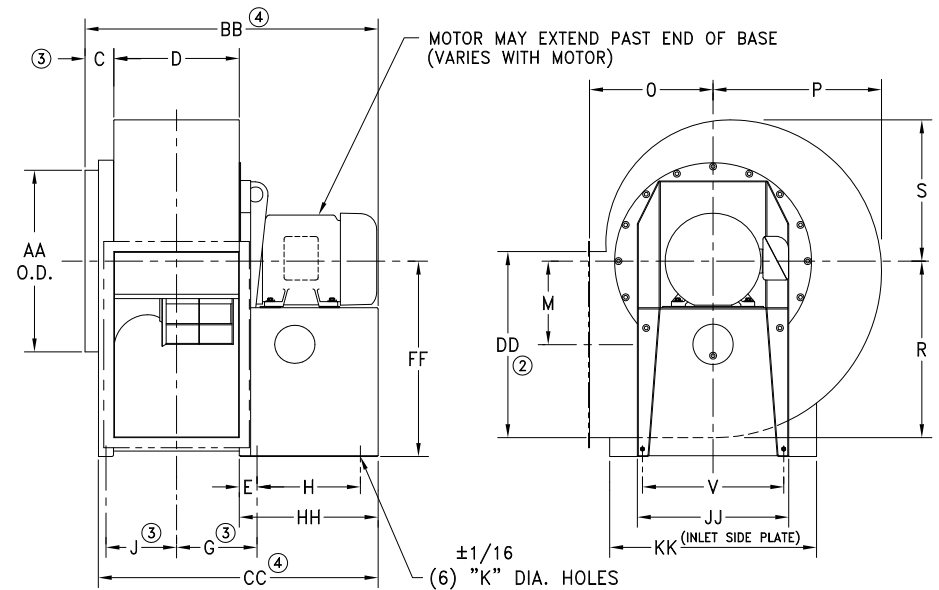


SIZE	MOTOR FRAME	E	③ G	H	④ BB	④ CC	HH	WEIGHT ⊕						
								SM.	LG.	EX. LG.				
-120	143T-184T	3	7 $\frac{11}{16}$	5 $\frac{1}{2}$	24 $\frac{15}{16}$	22 $\frac{15}{16}$	11 $\frac{1}{2}$	130						
-130	143T-215T		8 $\frac{3}{16}$	7 $\frac{5}{8}$	28 $\frac{1}{16}$	26 $\frac{1}{16}$	13 $\frac{5}{8}$	160						
-150	SM. 143T-215T		8 $\frac{11}{16}$	7 $\frac{5}{8}$	29 $\frac{1}{16}$	27 $\frac{1}{16}$	13 $\frac{5}{8}$	22	190	210				
	LG. 254T-256T													
-160	SM. 143T-184T		9 $\frac{1}{4}$	7 $\frac{5}{8}$	30 $\frac{3}{16}$	28 $\frac{3}{16}$	13 $\frac{5}{8}$	23	220	240				
	LG. 213T-256T													
-180	SM. 143T-215T		9 $\frac{15}{16}$	8 $\frac{3}{8}$	32 $\frac{5}{16}$	30 $\frac{5}{16}$	14 $\frac{3}{8}$	24 $\frac{1}{2}$	280	315	320			
	LG. 254T-286T													
	EX. LG. 324T-326T													
-200	SM. 182T-256T		10 $\frac{5}{8}$	11 $\frac{1}{2}$	36 $\frac{13}{16}$	34 $\frac{13}{16}$	17 $\frac{1}{2}$	24 $\frac{1}{2}$	350	385	390			
	LG. 284T-286T													
	EX. LG. 324T-326T													
-220	SM. 182T-256T		11 $\frac{7}{16}$	11 $\frac{1}{2}$	38 $\frac{7}{16}$	36 $\frac{7}{16}$	17 $\frac{1}{2}$	27	390	450				
	LG. 284T-326T													
-240	SM. 213T-256T		12 $\frac{5}{16}$	11 $\frac{1}{2}$	42 $\frac{1}{8}$	38 $\frac{1}{8}$	17 $\frac{1}{2}$	27	490	560				
	LG. 284T-326T													
-270	SM. 213T-256T		13 $\frac{1}{4}$	11 $\frac{1}{2}$	44	40	17 $\frac{1}{2}$	27	610	690				
	LG. 284T-326T													
-300	SM. 213T-256T		14 $\frac{3}{8}$	11 $\frac{1}{2}$	46 $\frac{5}{16}$	42 $\frac{5}{16}$	17 $\frac{1}{2}$	27	740	850				
	LG. 284T-326T													
-330	SM. 284T-326T		15 $\frac{15}{16}$	20	55 $\frac{1}{8}$	54 $\frac{15}{16}$	27	32	1100	1160	1190			
	LG. 364T-405T													
	EX. LG. 444T													
-360	SM. 284T-326T		17 $\frac{1}{8}$	20	57 $\frac{1}{2}$	57 $\frac{5}{16}$	27	32	1215	1365	1410			
	LG. 364T-405T													
	EX. LG. 444T													

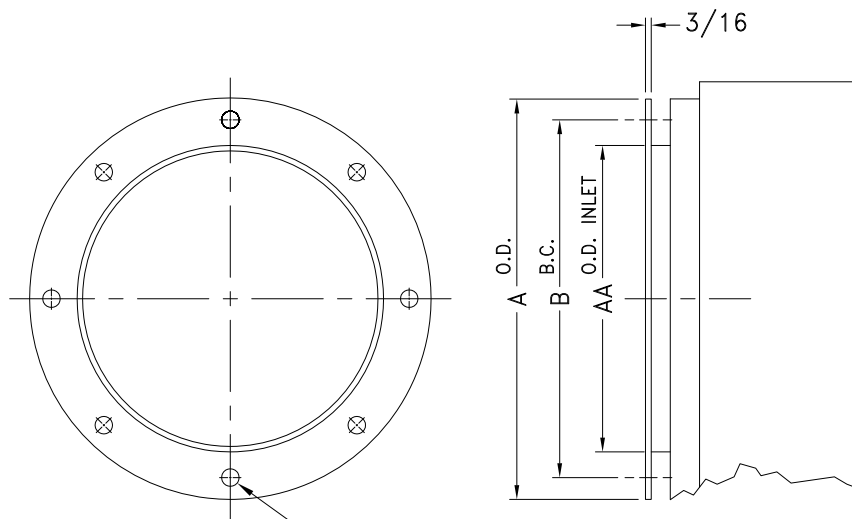
⊕ WEIGHT DOES NOT INCLUDE MOTOR OR OPTIONS.

NOTES:

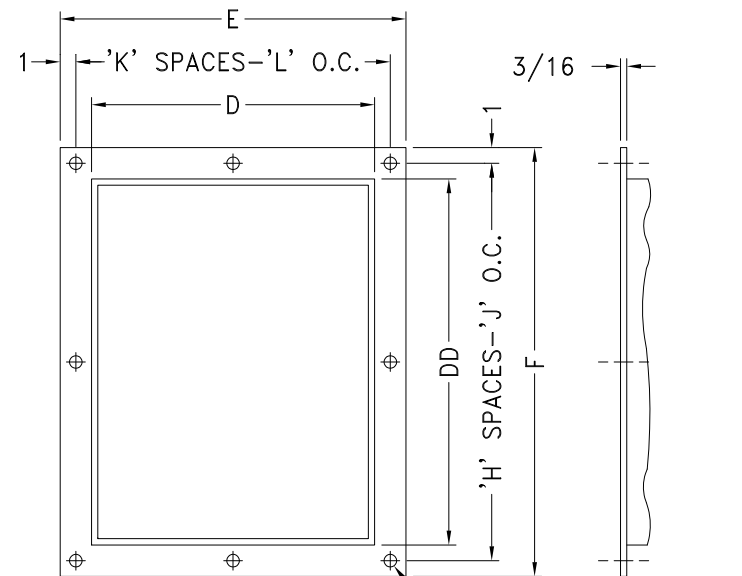
1. MODELS HDBI/HDAF-120 THRU -300 ROTATABLE IN 45° INCREMENTS. HDBI/HDAF-330 & 360-FAN HOUSING IS FIXED.
2. DISCHARGE FLANGE IS STANDARD ON MODELS 270 THRU 360.
3. ADD 1/8" FOR AMCA "C" CONSTRUCTION FANS AND/OR DOWNBLAST DISCHARGE POSITION.
4. ADD 1/4" FOR AMCA "C" CONSTRUCTION FANS AND/OR DOWNBLAST DISCHARGE POSITION.
5. HDBI/HDAF-330 & 360-DOWNBLAST DISCHARGE ORIENTATION NOT AVAILABLE.



SIZE	③ C	D	③ J	K	M	O	P	R	S	V	AA	DD	FF	JJ	KK
-120	4 $\frac{1}{16}$	9 $\frac{3}{8}$	5 $\frac{3}{4}$	9 $\frac{9}{16}$	6 $\frac{3}{16}$	9 $\frac{15}{16}$	12 $\frac{3}{8}$	13	10 $\frac{3}{8}$	14	13 $\frac{1}{4}$	13 $\frac{3}{4}$	15 $\frac{1}{2}$	16	
-130	4 $\frac{1}{16}$	10 $\frac{3}{8}$	6 $\frac{1}{4}$	9 $\frac{9}{16}$	6 $\frac{13}{16}$	10 $\frac{13}{16}$	13 $\frac{3}{4}$	14 $\frac{7}{16}$	11 $\frac{9}{16}$	15 $\frac{3}{4}$	14 $\frac{5}{8}$	15 $\frac{1}{4}$	16 $\frac{5}{8}$	17 $\frac{3}{4}$	
-150	4 $\frac{1}{16}$	11 $\frac{3}{8}$	6 $\frac{3}{4}$	9 $\frac{9}{16}$	7 $\frac{9}{16}$	11 $\frac{3}{4}$	15 $\frac{3}{16}$	15 $\frac{15}{16}$	12 $\frac{3}{4}$	17 $\frac{1}{4}$	16 $\frac{1}{8}$	16 $\frac{13}{16}$	18 $\frac{1}{8}$	19 $\frac{1}{4}$	
-160	4 $\frac{1}{16}$	12 $\frac{1}{2}$	7 $\frac{5}{16}$	9 $\frac{9}{16}$	8 $\frac{5}{16}$	12 $\frac{11}{16}$	16 $\frac{11}{16}$	17 $\frac{1}{2}$	14	19 $\frac{1}{8}$	18	18 $\frac{7}{16}$	19 $\frac{3}{4}$	21 $\frac{1}{8}$	
-180	4 $\frac{1}{16}$	13 $\frac{7}{8}$	8	9 $\frac{9}{16}$	9 $\frac{1}{4}$	13 $\frac{13}{16}$	18 $\frac{7}{16}$	19 $\frac{7}{16}$	15 $\frac{1}{2}$	21 $\frac{1}{2}$	20	20 $\frac{3}{8}$	22 $\frac{3}{4}$	23 $\frac{1}{2}$	
-200	4 $\frac{1}{16}$	15 $\frac{1}{4}$	8 $\frac{11}{16}$	9 $\frac{9}{16}$	10 $\frac{1}{16}$	14 $\frac{15}{16}$	20 $\frac{1}{4}$	21 $\frac{1}{4}$	17	23 $\frac{1}{2}$	22	22 $\frac{3}{8}$	23 $\frac{1}{2}$	25 $\frac{1}{2}$	
-220	4 $\frac{1}{16}$	16 $\frac{7}{8}$	9 $\frac{1}{2}$	9 $\frac{9}{16}$	11 $\frac{3}{16}$	16 $\frac{3}{8}$	22 $\frac{1}{2}$	23 $\frac{5}{8}$	18 $\frac{7}{8}$	26 $\frac{1}{8}$	24 $\frac{5}{8}$	24 $\frac{7}{8}$	26 $\frac{1}{4}$	28 $\frac{1}{8}$	
-240	6 $\frac{1}{16}$	18 $\frac{9}{16}$	10 $\frac{3}{8}$	9 $\frac{9}{16}$	12 $\frac{5}{16}$	18 $\frac{13}{16}$	24 $\frac{3}{4}$	26	20 $\frac{3}{4}$	28 $\frac{1}{4}$	27	27 $\frac{3}{8}$	28 $\frac{1}{2}$	30 $\frac{3}{4}$	
-270	6 $\frac{1}{16}$	20 $\frac{7}{16}$	11 $\frac{5}{16}$	9 $\frac{9}{16}$	13 $\frac{9}{16}$	20 $\frac{5}{8}$	27 $\frac{1}{4}$	28 $\frac{5}{8}$	22 $\frac{7}{8}$	31	30	30 $\frac{1}{16}$	31 $\frac{1}{4}$	33 $\frac{3}{4}$	
-300	6 $\frac{1}{16}$	22 $\frac{3}{4}$	12 $\frac{7}{16}$	9 $\frac{9}{16}$	15 $\frac{1}{8}$	22 $\frac{5}{8}$	30 $\frac{3}{8}$	31 $\frac{7}{8}$	25 $\frac{1}{2}$	34 $\frac{1}{4}$	33 $\frac{1}{2}$	33 $\frac{9}{16}$	34 $\frac{1}{2}$	37 $\frac{1}{4}$	
-330	3 $\frac{1}{4}$	24 $\frac{7}{8}$	14 $\frac{1}{2}$	3 $\frac{3}{4}$	16 $\frac{9}{16}$	24 $\frac{11}{16}$	33 $\frac{3}{8}$	35	28	28	36 $\frac{3}{4}$	36 $\frac{7}{8}$	38 $\frac{3}{4}$	30	41 $\frac{3}{4}$
-360	3 $\frac{1}{4}$	27 $\frac{1}{4}$	15 $\frac{11}{16}$	3 $\frac{3}{4}$	18 $\frac{1}{8}$	27 $\frac{3}{16}$	36 $\frac{1}{2}$	38 $\frac{1}{4}$	30 $\frac{1}{2}$	31	40	40 $\frac{1}{4}$	42	33	45



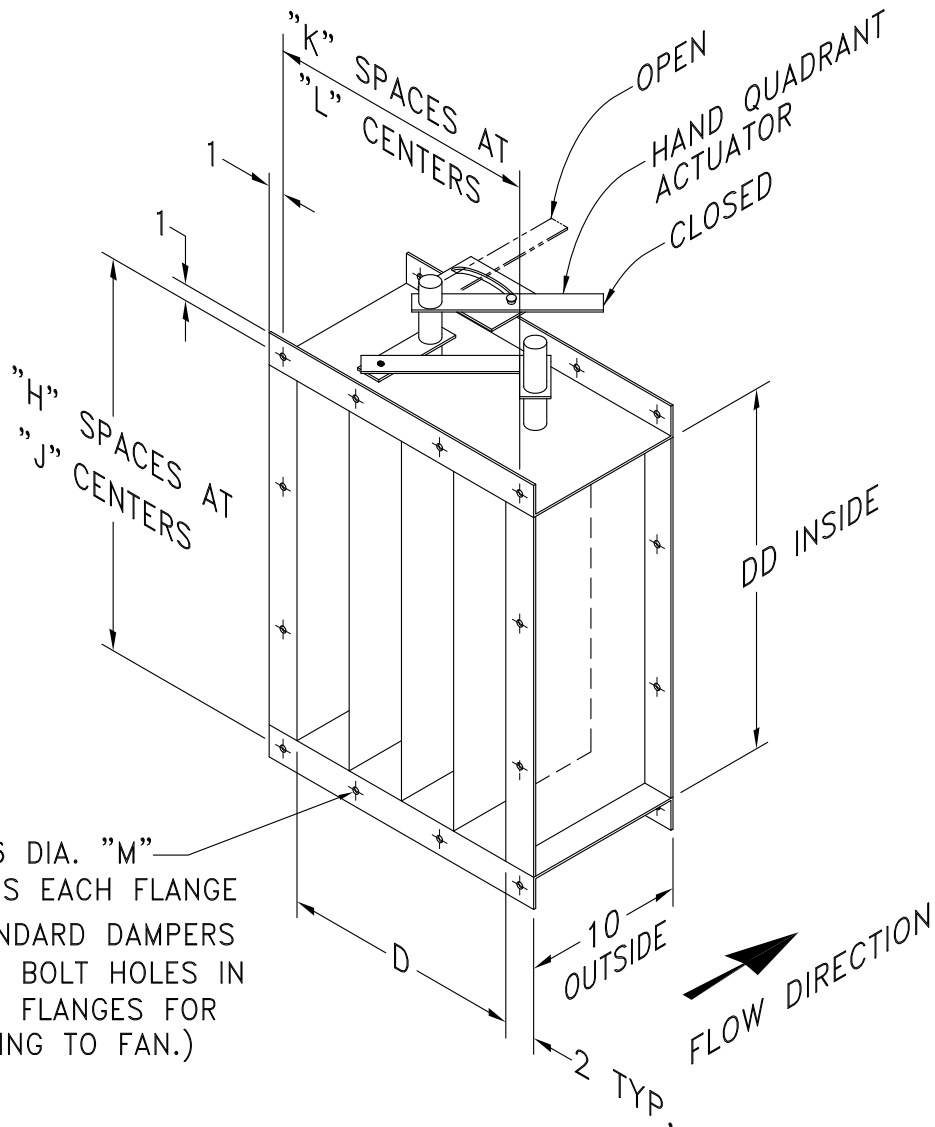
INLET FLANGE
 "N" HOLES, "P" DIA.



DISCHARGE FLANGE ①
 "M" 7/16 DIA. HOLES

SIZE	INLET					DISCHARGE								
	A O.D.	B B.C.	N	AA DIA.	P	D	E	F	H	J	K	L	M	DD
120	16	14-3/8	8	13-1/4	7/16	9-3/8	13-3/8	17-11/16	2	7-27/32	2	5-11/16	8	13-3/4
130	17-3/4	15-15/16	8	14-5/8	7/16	10-3/8	14-3/8	19-3/16	2	8-19/32	2	6-3/16	8	15-1/4
150	19-1/4	17-1/2	8	16-1/8	7/16	11-3/8	15-3/8	20-3/4	3	6-1/4	2	6-11/16	10	16-13/16
160	21-1/8	19-3/8	8	18	7/16	12-1/2	16-1/2	22-7/16	3	6-13/16	2	7-1/4	10	18-7/16
180	23-1/2	21-1/2	12	20	7/16	13-7/8	17-7/8	24-1/2	3	7-1/2	2	7-15/16	10	20-3/8
200	25-1/2	23-1/2	12	22	7/16	15-1/4	19-1/4	26-3/8	3	8-1/8	3	5-3/4	12	22-3/8
220	28-1/8	26-1/8	12	24-5/8	7/16	16-7/8	20-15/16	28-7/8	4	6-23/32	3	6-5/16	14	24-7/8
240	30-3/4	28-3/4	16	27	7/16	18-9/16	22-5/8	31-3/8	4	7-11/32	3	6-7/8	14	27-3/8
270	33-3/4	31-5/8	16	30	7/16	20-7/16	24-1/2	34-1/8	4	8-1/32	3	7-1/2	14	30-1/16
300	37-1/4	35-1/4	16	33-1/2	7/16	22-3/4	26-3/4	37-5/8	5	7-1/8	3	8-1/4	16	33-9/16
330	40-3/8	38-3/4	16	36-3/4	1/2	24-7/8	28-7/8	40-7/8	7	5-9/16	5	5-3/8	24	36-3/4
360	43-5/8	42	16	40	1/2	27-1/4	31-1/4	44-1/4	7	6-1/32	5	5-27/32	24	40-1/4

NOTE:
 ① NOT AVAILABLE ON ANY MODEL FOR DOWNBLAST, BOTTOM ANGULAR DOWN OR TOP ANGULAR DOWN DISCHARGE POSITIONS.
 DISCHARGE FLANGE IS STANDARD ON SIZES -270 THRU -360.

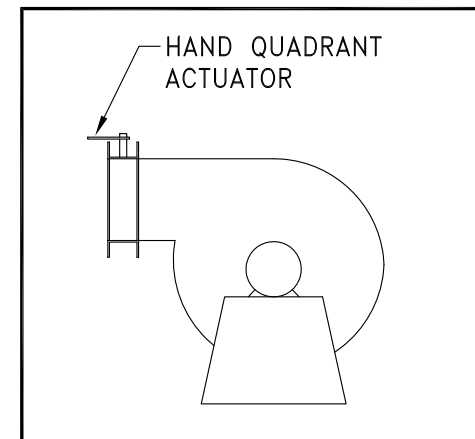


7/16 DIA. "M"
HOLES EACH FLANGE
(STANDARD DAMPERS
HAVE BOLT HOLES IN
BOTH FLANGES FOR
BOLTING TO FAN.)

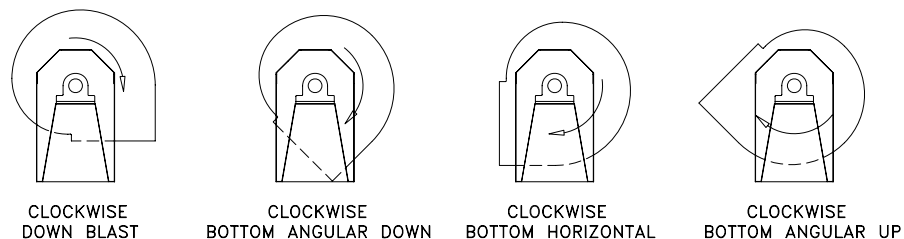
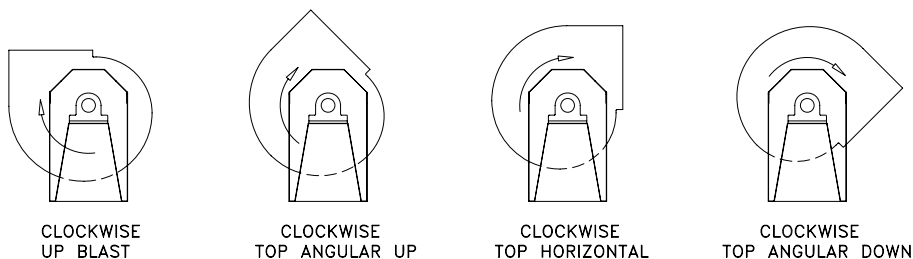
- NOTES:
1. OPPOSED BLADE IS STANDARD. □ PARALLEL BLADE IS OPTIONAL.
 2. DAMPER BLADES WILL BE PERPENDICULAR TO FAN SHAFT.
 3. STANDARD MATERIAL IS CARBON STEEL WITH RUST INHIBITING PRIMER. □ OPTIONAL MATERIAL _____.
 4. STANDARD CONSTRUCTION MAX. TEMPERATURE: 300° F.
□ OPTIONAL HIGH TEMPERATURE CONSTRUCTION MAX. TEMPERATURE: 800° F.

SIZE	D	DD	H	J	K	L	M
120	9-3/8	13-11/16	2	7-27/32	2	5-11/16	8
130	10-3/8	15-3/16		8-19/32		6-3/16	
150	11-3/8	16-3/4	3	6-1/4	3	6-11/16	10
160	12-1/2	18-3/8		6-13/16		7-1/4	
180	13-7/8	20-3/8		7-1/2		7-15/16	
200	15-1/4	22-3/8	4	8-1/8	3	5-3/4	12
220	16-15/16	24-7/8		6-23/32		6-5/16	
240	18-5/8	27-3/8	5	7-11/32	5	6-7/8	14
270	20-1/2	30-1/8		8-1/32		7-1/2	
300	22-3/4	33-9/16	7	7-1/8	5	8-1/4	16
330	24-7/8	36-7/8		5-9/16		5-3/8	
360	27-1/4	40-1/4		6-1/32		5-27/32	24

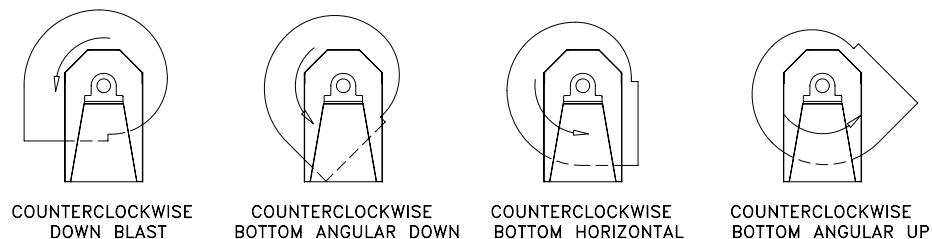
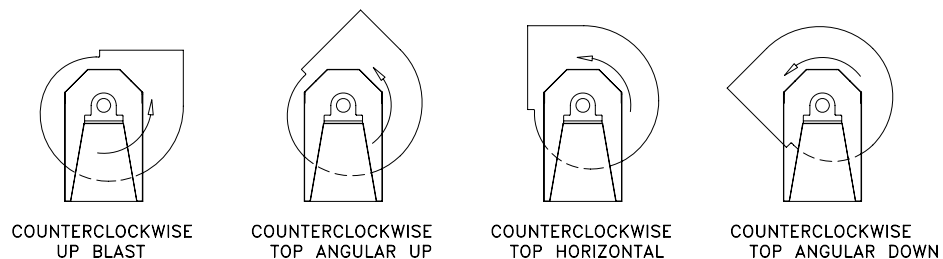
* HOLES PER FLANGE.



CLOCKWISE ROTATION



COUNTERCLOCKWISE ROTATION



NOTES:

1. DIRECTION OF ROTATION IS DETERMINED FROM DRIVE SIDE OF FAN.
2. SAME AS AMCA STANDARD 99-2406-83.