



Material Handling Fans

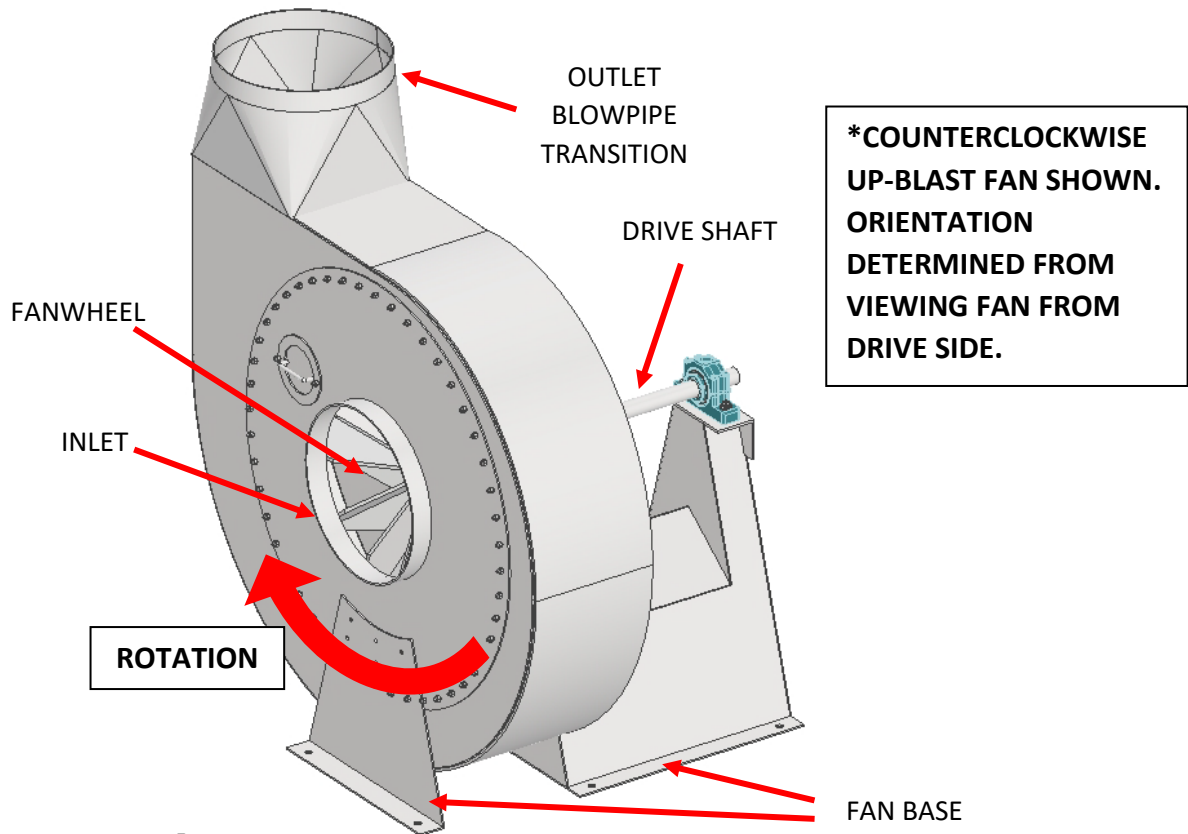
Dimension Sheet

DS 24-14-26



MATERIAL HANDLING FANS DIMENSION SHEET

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[GENERAL NOTES]

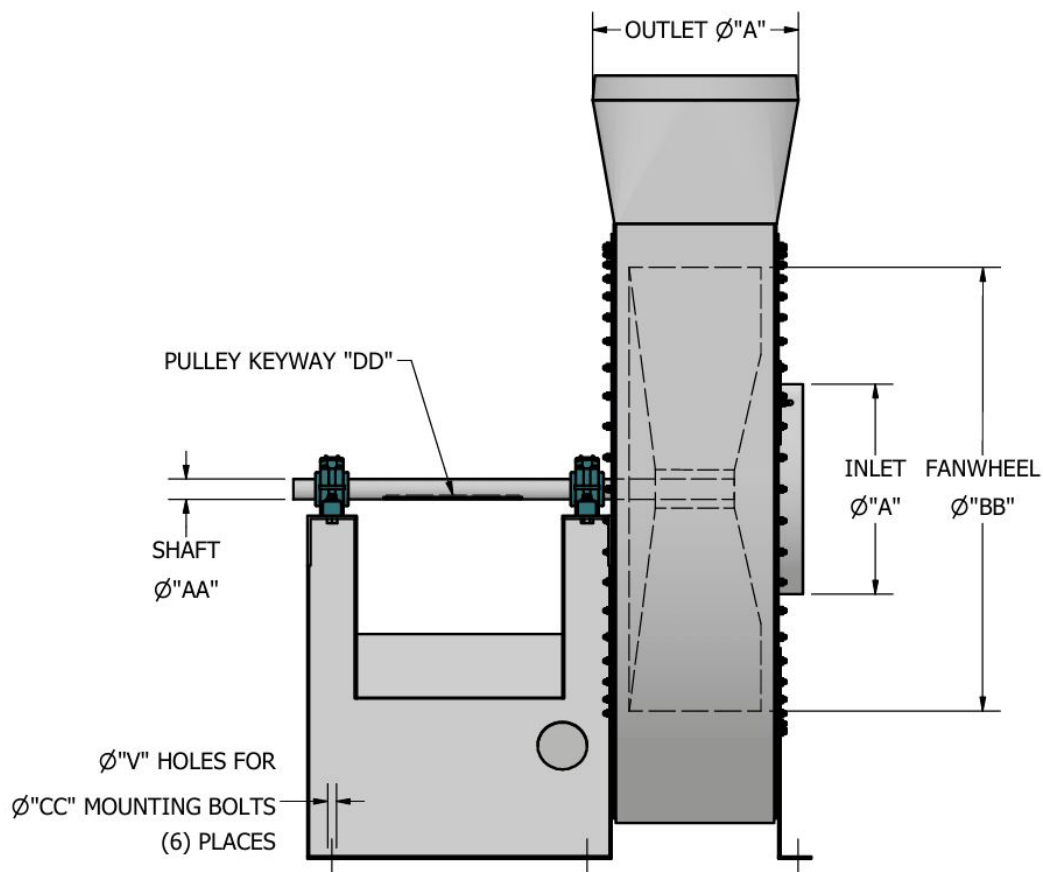
1. **THE FAN MUST BE MOUNTED WITH THE BASE PLATE HORIZONTAL.** DO NOT MOUNT THE FAN BASE ON AN ANGLE. IF AN ALTERNATIVE OUTLET ANGLE IS DESIRED, THE FAN HOUSING CAN BE ATTACHED TO THE FAN BASE AT A DIFFERENT ANGLE. TOP-HORIZONTAL, BOTTOM-HORIZONTAL, & ANGLED OUTLETS AVAILABLE.
2. FOUNDATIONS MUST BE SMOOTH, CLEAN, AND LEVEL. **THE UNIT MUST BE SHIMMED PRIOR TO TIGHTENING.** THE UNIT CAN BOW AND BIND, CAUSING EXCESSIVE STRESS IF ANCHORING ALTERS THE INHERENT CONTOUR OF THE BASE PLATE.
3. A REINFORCED CONCRETE FOUNDATION SHOULD EXTEND AT LEAST 6" BEYOND THE FAN ON ALL SIDES. SEE *BULLETIN 57-06-22 FOUNDATION PREPARATION* FOR MORE INFORMATION.
4. ALL DIMENSIONS SHOWN ARE STANDARD AND MAY VARY WITH INSTALLATIONS.
5. THE FAN CAN BE BUILT TO ROTATE OPPOSITE FROM THAT SHOWN. BOTH CLOCKWISE AND COUNTERCLOCKWISE FANS ARE AVAILABLE.
6. ALLOW 36" CLEARANCE AROUND THE MACHINE FOR MAINTENANCE.
7. FANS SHOULD HAVE SPEED AND POWER CORRECTED FOR ALTITUDE FOR INSTALLATIONS ABOVE 2000 FT MEAN SEA LEVEL.
8. THERE ARE SIX (6) HOLES IN THE BASE PLATE FOR SECURING TO THE FOUNDATION OR SUB-BASE. FOUNDATION ANCHOR BOLTS TO EXTEND AT LEAST 2" ABOVE THE REINFORCED CONCRETE FOUNDATION. SEE *BULLETIN 57-06-22 FOUNDATION PREPARATION* FOR MORE INFORMATION.
9. IF THE FAN IS TO BE MOUNTED ON STEEL COLUMNS, THE SUPPORTING STRUCTURE SHOULD BE DESIGNED FOR 2-1/2 TIMES THE STATIC LOAD FOR SAFETY.



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SIDE ELEVATION



[FAN DIMENSIONS IN INCHES]

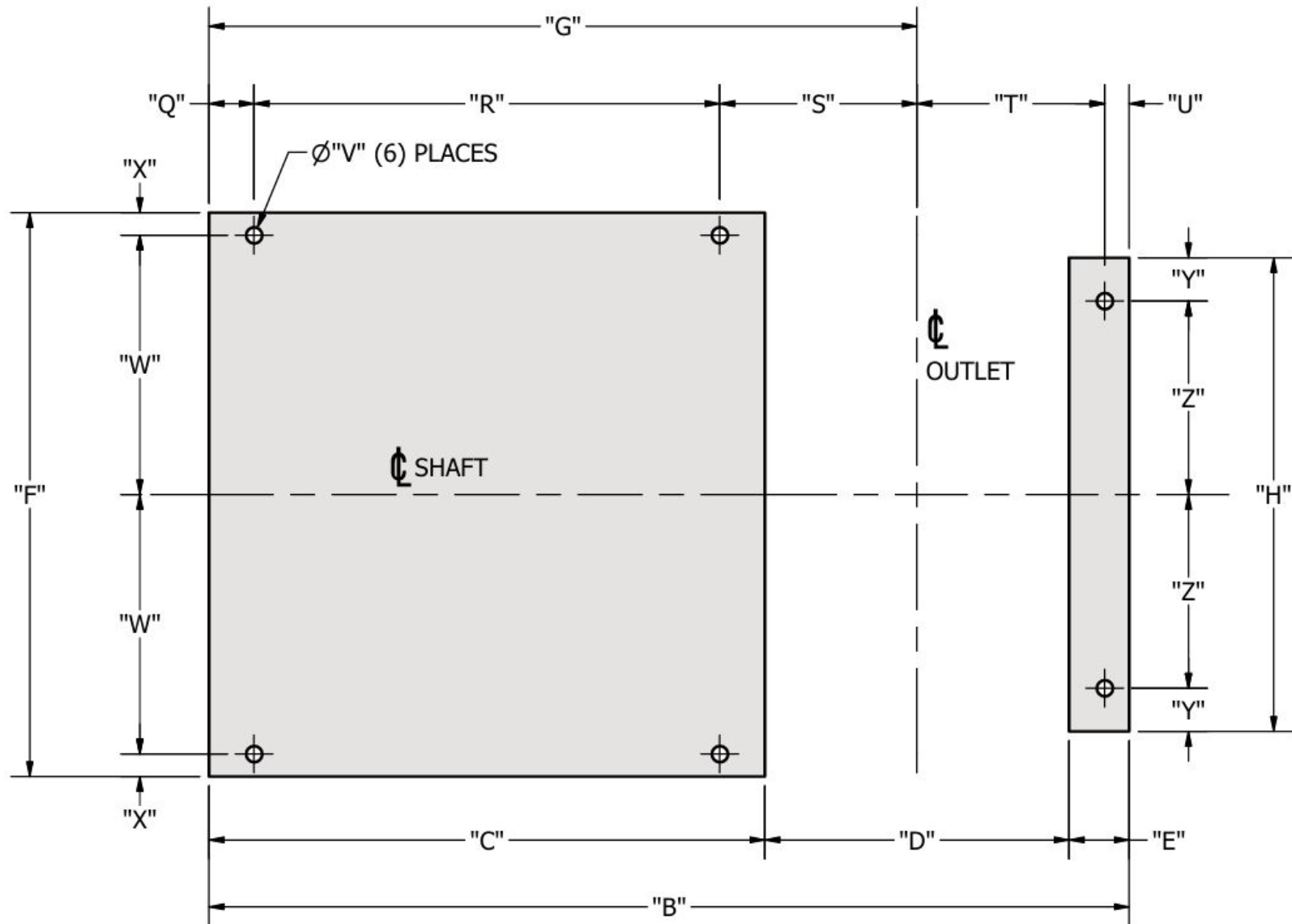
FAN SIZE	"A" (STANDARD RANGE)	"AA"	"BB"	"CC"	"DD"
#18	6-9	1-7/16	18-1/2	1/2	3/8 X 3/16
#20	8-10	1-7/16	22	1/2	3/8 X 3/16
#25	10-12	1-7/16	25-1/2	3/4	3/8 X 3/16
#30	12-14	1-11/16	29	3/4	3/8 X 3/16
#35	14-16	1-11/16	32-1/2	3/4	3/8 X 3/16
#40	16-18	1-15/16	36	3/4	1/2 X 1/4
#45	18-20	1-15/16	39-1/2	3/4	1/2 X 1/4
#50	20-22	2-3/16	43	1	1/2 X 1/4
#55	22-24	2-7/16	46-1/2	1	5/8 X 5/16
#60	24-27	2-7/16	54	1	5/8 X 5/16
#70	28-31	2-15/16	62	1	3/4 X 3/8
#80	32-35	2-15/16	70	1	3/4 X 3/8
#90	36-39	3-7/16	80	1	3/4 X 3/8



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PLAN VIEW - BASE PLATE ONLY





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[FAN DIMENSIONS IN INCHES – BASE PLATE]

FAN SIZE	"B"	"C"	"D"	"E"	"F"	"G"	"H"
#18	22-1/2	14-1/4	6-1/4	2	16	17-3/8	13
#20	24	14-1/4	7-3/4	2	16	18-1/8	13
#25	31-1/8	19	9-1/8	3	23	23-9/16	18
#30	32-1/4	19	10-1/4	3	23	24-1/8	18
#35	43-1/4	28	12-1/4	3	30	34-1/8	24
#40	44-7/8	28	13-7/8	3	30	34-15/16	24
#45	46-3/8	28	15-3/8	3	30	35-11/16	24
#50	58-3/8	37	17-3/8	4	37-1/2	45-11/16	31-1/2
#55	59-1/2	37	18-1/2	4	37-1/2	46-1/4	31-1/2
#60	61-1/4	37	20-1/4	4	37-1/2	47-1/8	31-1/2
#70	75-1/4	48	23-1/4	4	46	59-5/8	40-1/8
#80	78-1/2	48	26-1/2	4	46	61-1/4	40-1/8
#90	87-1/8	54	29-1/8	4	54-7/8	68-9/16	47-1/2



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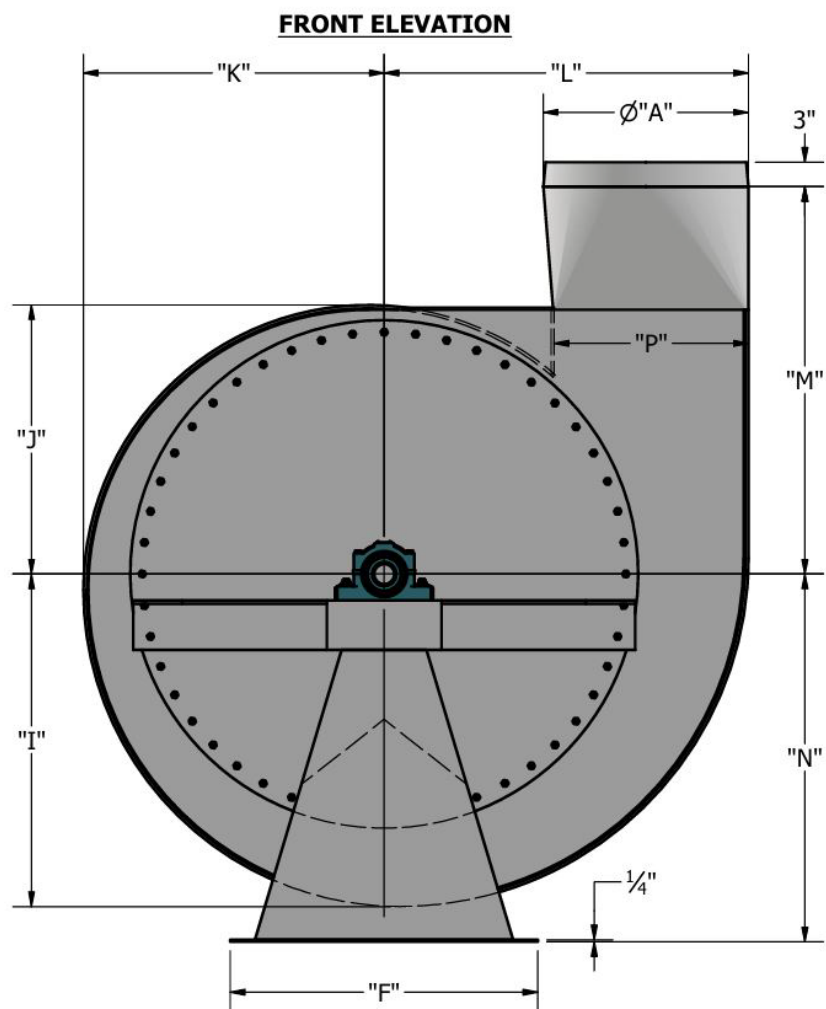
[FAN DIMENSIONS IN INCHES – MOUNTING HOLES]

FAN SIZE	"Q"	"R"	"S"	"T"	"U"	"V"	"W"	"X"	"Y"	"Z"
#18	2	10-1/4	5-1/8	4-3/8	3/4	9/16	7-1/4	3/4	1-1/4	5-1/4
#20	2	10-1/4	5-7/8	5-1/8	3/4	9/16	7-1/4	3/4	1-1/4	5-1/4
#25	3	13	7-9/16	6-3/16	1-1/4	13/16	10-1/4	1-1/4	2	7
#30	3	13	8-1/8	6-7/8	1-1/4	13/16	10-1/4	1-1/4	2	7
#35	3	22	9-1/8	7-7/8	1-1/4	13/16	13-3/4	1-1/4	1-1/4	10-3/4
#40	3	22	9-15/16	8-11/16	1-1/4	13/16	13-3/4	1-1/4	1-1/4	10-3/4
#45	3	22	10-11/16	9-7/16	1-1/4	13/16	13-3/4	1-1/4	1-1/4	10-3/4
#50	3	31	11-11/16	11-1/16	1-5/8	1-1/16	17-1/4	1-1/2	2-7/8	12-7/8
#55	3	31	12-1/4	11-5/8	1-5/8	1-1/16	17-1/4	1-1/2	2-7/8	12-7/8
#60	3	31	13-1/8	12-1/2	1-5/8	1-1/16	17-1/4	1-1/2	2-7/8	12-7/8
#70	3	42	14-5/8	14	1-5/8	1-1/16	21-1/2	1-1/2	3	17-1/16
#80	3	42	16-1/4	15-5/8	1-5/8	1-1/16	21-1/2	1-1/2	3	17-1/16
#90	3	48	17-9/16	16-15/16	1-5/8	1-1/16	25-7/16	2	4	19-3/4



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[FAN DIMENSIONS IN INCHES – HOUSING]

FAN SIZE	"I"	"J"	"K"	"L"	"M"	"N"	"P"
#18	11-5/8	10-1/8	10-7/8	12-3/8	20-1/4	16-1/2	6
#20	14	12-1/4	13	15	22-1/4	16-1/2	7-3/4
#25	17-1/16	13-11/16	15-3/8	18-3/4	28-11/16	23-3/8	9-1/2
#30	20-3/8	16-3/8	18-3/8	22-3/8	31-3/8	23-3/8	11-3/4
#35	23-7/8	19-1/8	21-1/2	26-1/4	34-1/8	34-1/2	14-5/8
#40	27	21-3/4	24-3/8	29-3/8	36-3/4	34-1/2	15-1/4
#45	30-1/2	24-1/2	27-1/2	33-1/2	39-1/2	34-1/2	17-1/2
#50	34-1/8	27-3/8	30-3/4	37-1/2	42-3/8	44-7/8	19-1/4
#55	36-7/8	29-5/8	33-1/4	40-1/2	44-5/8	44-7/8	21-1/2
#60	40	32-1/4	36-1/8	43-7/8	47-1/4	44-7/8	23-1/4
#70	46-1/2	37-1/4	41-7/8	51-1/8	55-1/4	59-1/4	25-3/4
#80	53	42-1/2	47-3/4	58-1/4	60-1/2	59-1/4	31-1/2
#90	59-3/8	47-5/8	53-1/2	65-1/4	65-5/8	66-1/4	34

**NOTE: OVERALL HEIGHT AND WIDTH OF FAN DEPENDENT ON ORIENTATION. LOCATION OF DIMENSIONS SHOWN ON CCWUB FAN. DISTANCE FROM FLOOR TO FAN CENTERLINE ("N") REMAINS CONSTANT IN ALL FAN ORIENTATIONS.*



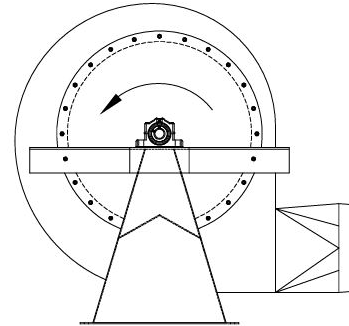
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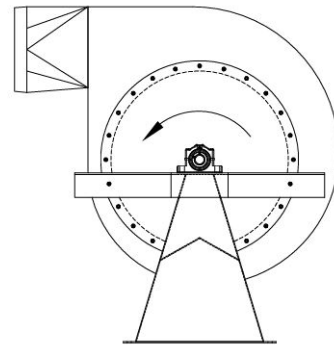
[FAN WEIGHT]

FAN SIZE	FAN TYPE	WEIGHT (LBS)
#18	HEAVY DUTY	281
	SEVERE DUTY	343
#20	HEAVY DUTY	364
	SEVERE DUTY	475
#25	HEAVY DUTY	603
	SEVERE DUTY	748
#30	HEAVY DUTY	777
	SEVERE DUTY	990
#35	HEAVY DUTY	1113
	SEVERE DUTY	1373
#40	HEAVY DUTY	1295
	SEVERE DUTY	1585
#45	HEAVY DUTY	1565
	SEVERE DUTY	1918
#50	HEAVY DUTY	2166
	SEVERE DUTY	2400
#55	HEAVY DUTY	2446
	SEVERE DUTY	2848
#60	HEAVY DUTY	2975
	SEVERE DUTY	3687
#70	HEAVY DUTY	4102
	SEVERE DUTY	5022
#80	HEAVY DUTY	4919
	SEVERE DUTY	5984
#90	HEAVY DUTY	6245
	SEVERE DUTY	7443

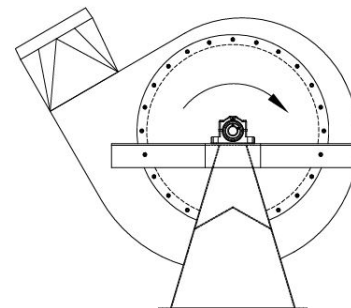
[EXAMPLES OF ALTERNATE CONFIGURATIONS]



COUNTERCLOCKWISE, BOTTOM HORIZONTAL



COUNTERCLOCKWISE, TOP HORIZONTAL



CLOCKWISE, UP-BLAST 60 DEGREES OFF HORIZONTAL

**NOTE: SEE FAN DISCHARGE NOMENCLATURE BULLETIN FOR FULL LIST OF AVAILABLE CONFIGURATIONS.*