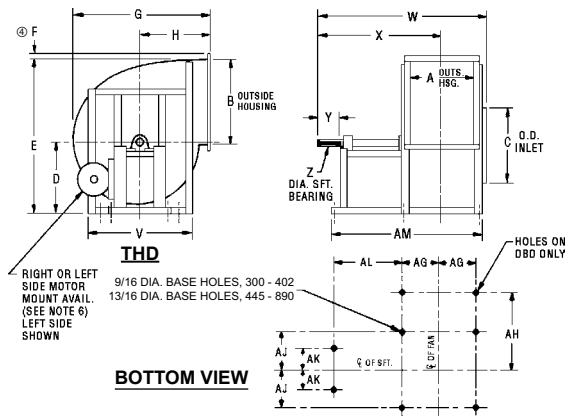


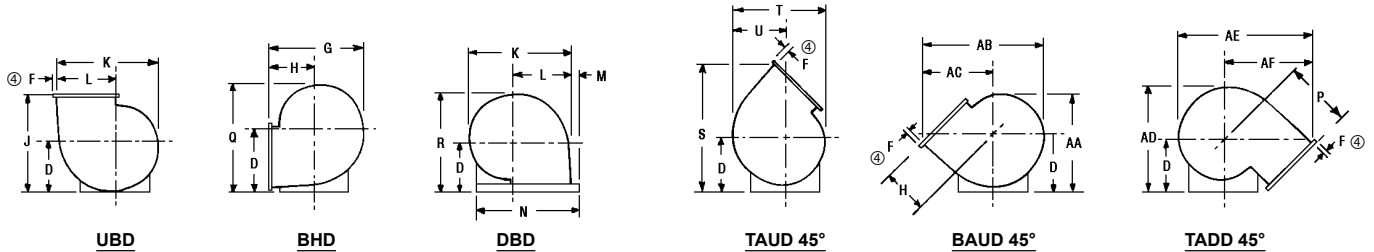
VCR

BI & AF - Arrangement 1, 4 & 9, Class I & II



Notes

1. CW rotation shown; CCW rotation similar but opposite.
2. AF available in sizes 300 through 890.
3. BI available in sizes 300 through 890.
4. Discharge angles standard on sizes 402 thru 890 only. (Hole punching optional on all sizes.)
5. On specific sales orders, see Fan Data Schedule for performance and accessory information.
6. On Arrangement 9, the standing motor position is left side for CW units and right side for CCW units.
7. Dimensions for Arrangement 4 through size 365 are the same as shown except motor is mounted on pedestal in lieu of shaft and bearings.
8. On DBD sizes 300 through 890, discharge is extended to base.



Dimensional Data


Size	A	B	C	"D" Centerline of Fan						E	F	G	H	J	K	L	M	N	P	Q	R	S	
				THD	UBD	BHD	DBD	TAUD	BAUD														TADD
300	23 11/16	31 13/16	31 5/8	27	27	35	27	27	35	27	58 3/4	1 1/2	49 1/4	23 7/16	50 7/16	54 1/2	31 3/4	2 1/2	54 3/4	32 7/16	57 3/4	52 13/16	66 1/8
330	26 1/4	34 15/16	34 3/4	27	35	38	27	35	38	35	61 7/8	1 1/2	54 3/16	25 13/16	60 13/16	59 7/8	34 7/8	2 1/2	59 7/8	34 9/16	63	55 3/8	77 7/8
365	28 7/8	38 11/16	38 1/2	35	35	41	35	35	41	35	73 5/8	1 1/2	60 1/8	28 5/8	63 5/8	66 5/16	38 5/8	2 1/2	65 1/8	37 1/8	68 11/16	66 1/2	82 5/8
402	32 1/16	42 9/16	42 7/16	37	37	45 1/2	37	37	45 1/2	37	79 1/2	2	66 11/16	32	69	73 1/16	42 1/2	2 1/2	71	41	76 1/16	71 11/16	89 3/8
445	35 1/4	47 3/16	46 7/8	37	41	50	37	41	50	37	84 1/16	2	72 1/8	33 3/4	74 3/4	80 7/8	47 1/16	3	78 7/8	44	83 13/16	75 3/8	98 1/4
490	39	51 13/16	51 5/8	39	44	55	39	44	55	39	90 3/4	2	79 11/16	37 1/2	81 1/2	88 7/8	51 3/4	3	85 3/4	47 3/4	92 1/8	81 3/16	107 1/8
542	42 3/4	57 7/16	57 1/8	44	49	60	44	49	60	44	101 3/8	2	87 1/4	40 1/2	89 1/2	98 9/16	57 3/8	4	95 7/8	51 3/4	101 3/16	90 3/4	118 1/4
600	47 3/8	63 7/16	63 1/8	48	54	66 1/2	48	54	66 1/2	48	111 3/8	2	96 3/16	44 1/2	98 1/2	108 7/8	63 3/8	4	104 7/8	56	112	99 11/16	130 3/8
660	52 1/2	69 13/16	69 3/8	52 1/2	59	73 1/4	49	55 3/4	63	49 1/2	122 1/4	2 1/2	105 3/4	49	108	119 5/8	69 3/4	5	114 3/4	61 1/2	123 1/8	105 3/4	139 3/4
730	57 7/8	77 1/4	76 3/4	57	64 1/2	80 3/4	57 3/4	61 3/4	69 1/2	54 1/4	134 1/8	2 1/2	120 5/8	57 3/4	122 1/4	132 1/2	77 1/8	5	126 1/8	67	136 1/8	120 5/8	157 1/8
807	63 13/16	85 7/16	84 7/8	63	72	89	63 3/4	67 1/2	76 1/2	59 1/2	148 5/16	2 1/2	133 5/16	63 3/4	135 3/4	146 9/16	85 5/16	5	138 1/8	72 3/4	150 1/4	133 5/16	172 7/8
890	70 1/8	94 1/4	93 3/8	69 1/4	78 1/4	97 3/4	70 1/2	73 3/4	85	65 1/2	163 3/8	2 1/2	147 1/8	70 1/2	148 3/4	161 5/8	94 1/8	5	152 3/8	85	165 1/4	147 1/8	190 1/4

Size	T	U	V	W	X	Y	Z - CLASS I		Z - CLASS II		AA	AB	AC	AD	AE	AF	AG	AH	AJ	AK	AL	AM	Max. Mtr. Frame ARRG. 9 & 10 ODP & TEFC
							SFT	KWY	SFT	KWY													
							300	48 3/4	27 1/2	41													
330	53 1/2	30 1/4	45	64 7/8	47 1/8	5 1/2	1 11/16	3/8 x 3/16	1 15/16	1/2 x 1/4	61 1/4	69 9/16	42 7/8	65 1/4	75 5/8	49	14 1/2	36 1/4	18 3/8	13 3/8	28	59 1/4	286T
365	59 1/2	33 1/2	48	68	48 7/16	5 1/2	1 11/16	3/8 x 3/16	1 15/16	1/2 x 1/4	67	77 1/8	47 1/2	68 1/2	83 1/8	53 1/2	15 13/16	40	19 7/8	13 3/8	28	61 7/8	286T
402	65 1/2	37	52	73 3/4	53 1/16	5 1/2	1 15/16	1/2 x 1/4	2 3/16	1/2 x 1/4	74	85 1/4	52 5/8	74	91 5/8	59	17 7/16	43 7/8	21 7/8	14 3/8	31	68 1/8	326T
445	72 3/8	40 7/8	57 1/2	77 3/8	54 5/8	5 1/2	2 3/16	1/2 x 1/4	2 7/16	5/8 x 5/16	81 1/2	93 1/4	57 1/8	77 7/8	100 3/4	64 5/8	19 1/4	48 3/4	23 7/8	15 5/8	31	72 1/4	326T
490	79 5/8	44 7/8	62	85 5/8	60	6	2 3/16	1/2 x 1/4	2 7/16	5/8 x 5/16	89 3/4	102 7/8	63 1/8	83 7/8	110 3/8	70 5/8	21 1/8	53 3/8	26 1/8	16 5/8	34	79	364T
542	88 1/4	49 3/4	69	92 3/8	64 7/8	6	2 7/16	5/8 x 5/16	2 11/16	5/8 x 5/16	98 1/2	113 1/4	69 1/4	93 3/4	121	77	23 1/2	59 1/2	28 5/8	18 1/8	37	87 3/4	365T
600	97 1/2	55	75	98 1/4	68 7/16	7	2 7/16	5/8 x 5/16	2 11/16	5/8 x 5/16	109	124 7/8	76 1/4	103	133	84 3/8	25 13/16	65 1/2	31 5/8	18 1/8	37	92 3/8	404T
660	107	60 1/2	80	104 3/4	72 1/2	7	2 7/16	5/8 x 5/16	2 15/16	3/4 x 3/8	109 1/2	137 3/8	84	110	146 1/8	92 3/4	28 7/8	72 3/8	33 1/8	33 1/8	39	10 11/2	444T
730	118 5/8	67	88	113 3/4	78 13/16	7 1/2	2 11/16	5/8 x 5/16	3 7/16	7/8 x 7/16	121 1/8	154 1/2	95 3/8	121 1/4	161 1/8	102	31 9/16	79 3/4	37 1/8	37 1/8	42	109 7/8	445T
807	130 7/8	73 3/4	95 1/2	123 1/4	85 5/16	8	2 15/16	3/4 x 3/8	3 7/16	7/8 x 7/16	133 5/8	170 5/8	105 3/8	133 1/4	176 7/8	111 5/8	34 9/16	87 15/16	40 7/8	40 7/8	45	118 7/8	445T
890	144 5/8	81 5/8	106 1/2	132 1/2	91 7/16	8	3 7/16	7/8 x 7/16	3 7/16	7/8 x 7/16	148	188 1/2	116 1/2	147 1/8	198 7/8	126 7/8	37 11/16	96 3/8	46 3/8	46 3/8	48	128 1/8	445T

Tolerance ± 1/8

Not to be used for construction.

Certified drawings available upon request.



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Submittal Sheet

VCR

BI & AF

Arrangement 1,4 & 9, Class I & II

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