

Vane Axial Fans

with direct drive motors and variable pitch, field adjustable impellers



For moving air, fumes, mists and smoke in applications where higher performance with less horsepower and less noise are major considerations, and fast, simple installation with no wasted space is also required.

Strobic direct drive vane axial fans are designed to meet a wide variety of operating conditions and performance requirements – at lowest costs, with minimum noise levels and without wasting valuable plant space.

Other outstanding advantages of Strobic Air vane axial fans with direct drive motors:

- ➊ **DUCT MOUNTING ELIMINATES WASTED SPACE**, and installation is fast and simple with no special skills or tools needed.
- ➋ **RUGGED, CONTINUOUSLY WELDED HEAVY GAUGE** carbon steel housings minimize friction losses to enhance performance.
- ➌ **NON-SPARKING ALUMINUM BLADES** can't ignite volatile atmospheres.
- ➍ **SPECIAL COATINGS AND MATERIALS** are also available. Fans may be coated with plastic, epoxy, rubber and fiberglass to meet unusual environmental applications.
- ➎ **MATERIALS OTHER THAN STEEL** (for housings) and aluminum (for blades) are available including stainless steel, copper, monel, etc.
- ➏ **MOTOR CONSTRUCTION AVAILABLE** includes drip-proof, totally enclosed air over, fan cooled, or explosion-proof design.
- ➐ **SIZES RANGE FROM 12" TO 96"**; other sizes are also available to meet special needs.
- ➑ **CAPACITIES RANGE UP TO 300,000 CFM**, and pressures up to 10" w.g.

Special features of Strobic Air vane axial fans with direct drive motors:

Cast aluminum axial flow impellers can't spark and use improved airfoil sections for maximum air handling efficiency

Spinner cap improves laminar flow of inlet air

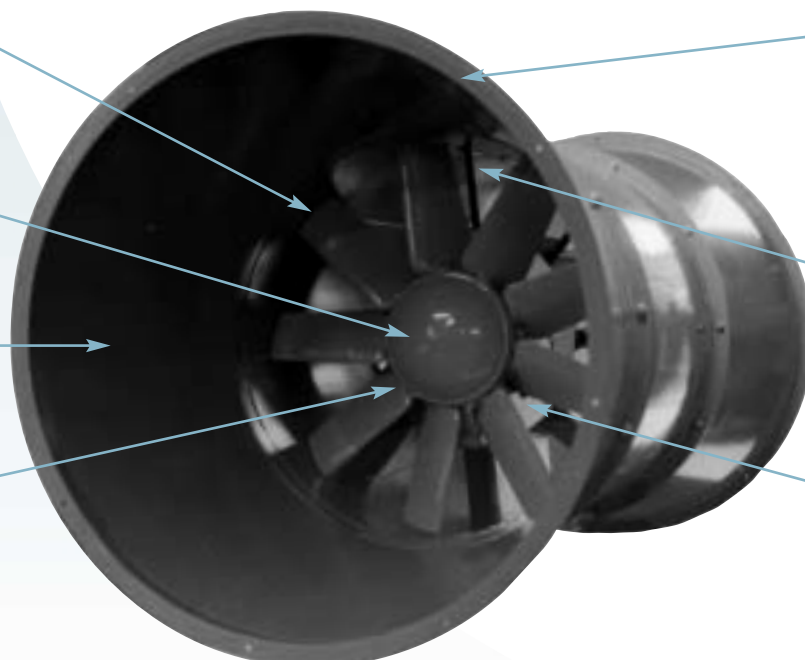
Housings are sandblasted and epoxy coated

Variable pitch, field adjustable impellers maximize performance, minimize horsepower requirements, help reduce operating costs

Flanged housings permit quick fastening to flexible duct and other accessories without special tools or skills

Guide vanes create pressure regain to smooth laminar air flow for added efficiency

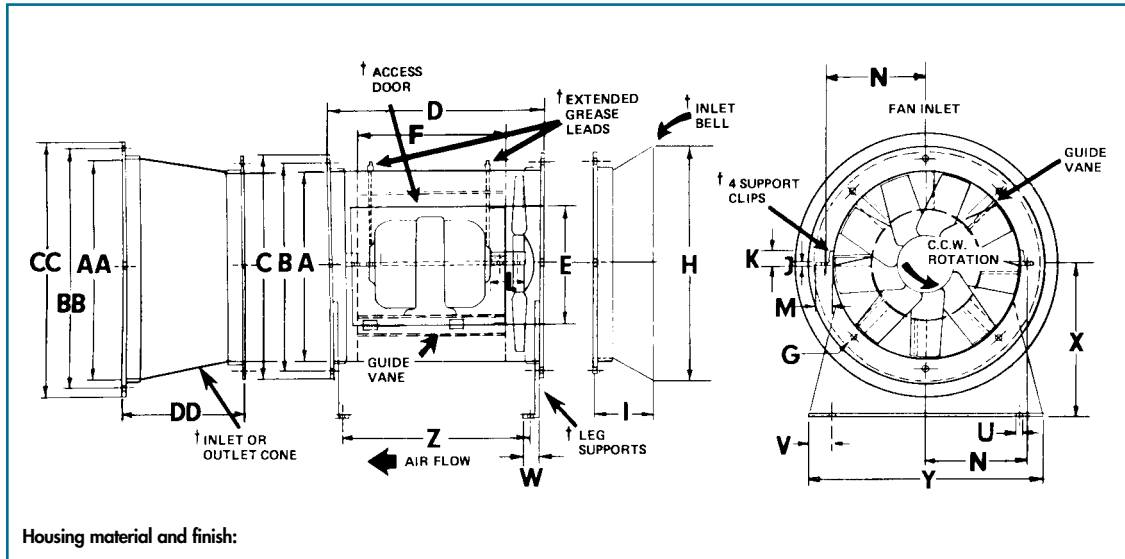
Sealed ball bearing motor provides years of dependable, maintenance-free performance



Vane Axial Direct Drive with variable pitch impellers

Submittal Data:
 Customer: _____
 Architect/Engineer: _____
 Project: _____

Drawing No.: _____ Date: _____
 Submitted by: _____
 Approved by: _____
 Date: _____



- † **Optional Features:**
1. Inlet Bell
 2. Inlet or Outlet Cone
 3. Inlet or Outlet Screen
 4. Extended Motor Leads
 5. Extended Grease Leads
 6. Access Door
 7. Companion Flanges
 8. Leg Supports
 9. Horizontal Support Clips
 10. Vertical Support Clips
 11. Disconnect Switch – Mounted
 12. In-line Sleeve Silencer
 13. In-line Pod Silencer
 14. _____
 15. _____
 16. _____

Housing material and finish:

FAN SIZE	BASIC FAN DIMENSIONS							BELL		SUPPORT CLIPS				LEG SUPPORTS					CONES						
	A	B	C	D	E†	F†	G	H	I	J	K	L	M	N	U	V	W	X	Y	Z	AA	BB	CC	DD	
					Opt. Access Door		#	Dia.																	
12	12	13.50	14.75	15			8	.312	16.75	5.12	.125	3	11.00	4.00	8.00	.750	2.50	3	11.50	16	11.75	16.00	17.25	18.50	10.00
15	15	16.50	17.75	15			8	.312	21.00	5.12	.125	3	11.00	4.00	9.50	.750	2.50	3	13.00	19	11.75	19.00	20.37	21.50	12.00
18	18	19.50	20.75	18			8	.312	25.50	5.12	.186	3	14.00	4.00	11.00	.750	2.50	3	14.50	22	14.75	22.00	23.37	24.50	14.00
19	19	20.81	22.25	18			8	.312	26.50	5.12	.186	3	14.00	4.00	11.50	.750	2.50	3	16.00	23	14.62	23.00	24.69	26.00	14.00
21	21	22.81	24.25	21			8	.437	29.50	5.62	.186	3	17.00	4.00	12.50	.750	2.50	3	17.75	25	17.62	25.75	27.44	28.75	16.50
24	24	25.87	27.25	24			8	.437	33.50	5.62	.186	3	20.00	4.00	14.00	.750	2.50	3	18.25	28	20.62	28.75	30.44	31.75	18.50
27	27	28.87	30.25	24			8	.437	37.25	6.62	.186	3	20.00	4.00	15.50	.750	2.50	3	20.75	31	20.62	33.75	35.44	36.75	22.50
30	30	31.87	33.25	24			12	.437	39.00	5.50	.186	3	20.00	5.00	17.50	.750	2.50	4	23.00	34	19.62	38.00	39.69	41.00	24.75
36	36	38.18	39.75	30			12	.437	46.81	6.44	.186	3	3.50	5.00	20.50	.750	2.50	4	26.25	41	25.62	44.00	46.00	47.50	27.00
38	38	40.18	41.75	30			12	.437	49.44	6.75	.186	3	3.50	5.00	21.50	.750	4.50	4	28.25	48	25.62	48.00	50.00	51.50	31.00
42	42	44.25	45.87	30			12	.437	54.62	7.31	.250	3	3.50	5.00	23.50	.750	4.50	4	29.25	48	25.62	50.75	52.75	54.25	31.00
48	48	50.25	51.87	36			16	.562	62.44	8.25	.250	4	4.25	5.00	26.75	.750	4.50	4	34.25	48	31.62	60.00	62.00	63.50	37.00
54	54	56.37	57.87	36			16	.562	70.25	9.12	.250	4	4.25	5.50	29.75	.750	4.50	4	37.25	60	31.62	66.00	68.00	69.50	37.00
60	60	62.37	63.87	36			16	.562	78.00	10.00	.250	4	4.25	5.50	32.75	.750	4.50	4	40.50	60	31.62	72.00	74.00	75.50	37.00
66	66	68.75	70.50	42			16	.562	88.00	13.69	.250	4	4.25	5.50	36.25	.750	4.50	4	44.50	66	37.50	80.00	82.25	84.00	43.00
72	72	74.75	76.50	42			16	.562	94.00	13.69	.250	4	4.25	5.50	39.25	.750	4.50	4	48.50	72	37.50	88.00	90.25	92.00	49.00
78	78	80.75	82.50	48			16	.562	100.00	13.69	.250	4	4.25	5.50	42.25	.750	4.50	4	53.00	78	43.50	96.00	98.25	100.00	55.00
84	84	86.75	88.50	48			16	.562	106.00	13.69	.250	4	4.25	5.50	45.25	.750	4.50	4	57.00	84	43.50	104.00	106.25	108.00	61.00
90	90	92.75	94.50	48			16	.562	112.00	13.69	.250	4	4.25	5.50	48.25	.750	4.50	4	60.75	90	43.50	112.00	114.25	116.00	67.00
96	96	98.75	100.50	48			16	.562	120.00	13.69	.250	4	4.25	5.50	51.25	.750	4.50	4	64.75	96	43.50	120.00	122.25	124.00	73.00

† For size of access door, consult factory.

Note: Dimensions not to be used for construction unless certified.

Performance Data

ITEM #	QTY.	MODEL #	VOLUME CFM	SP/TP	FAN RPM	B.H.P.	H.P.	MOTOR RPM	MOTOR CHAR.	TYPE	OPTIONAL FEATURES	SHIP Wt.



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Represented by: