



# INDUSTRIAL ULTRAFOIL AIRFOIL

**SIZES:** 12" - 89" Wheel Diameter

**CLASS:** I, II, III and IV

**PERFORMANCE:** 1,500 to 200,000 cfm  
and up to 12" SP.

**APPLICATION:** Light to heavy industrial.  
Processes or HVAC systems. Optional  
high heat design.

**ARRANGEMENT:** 1, 3, 8 and 9.

**DESIGN:** Airfoil blades provide an  
efficient use motor power. Robust  
design with a reinforcing exterior ribs  
for added stiffness. SWSI and DWDI  
designs are both available.



[sales@sheldonsengineering.com](mailto:sales@sheldonsengineering.com)  
1-800-265-3572

## 8000 SERIES

 **Sheldons Engineering Inc.**  
*Leaders in Fan Technology*

Brochure # 8000B-03-05



# SHELDONS ENGINEERING Inc.

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[www.sheldonsengineering.com](http://www.sheldonsengineering.com)

## VENTILATING CENTRIFUGAL FAN with AIRFOIL BLADES –8000

### GENERAL

The centrifugal fan shall be designed and manufactured by Sheldons Engineering to ensure smooth operation. Fan wheel shall be double thickness airfoil-Ultrafoil™ as shown in plans with all steel construction. Unless otherwise directed, fan arrangement, motor location, support base, rotation and discharge are as shown on the layout drawings.

### PERFORMANCE

Fan ratings shall be based on tests made in accordance with AMCA Standard 210. Flow shall be actual volumetric flow at the fan inlet. Fan static pressure is defined as static pressure at fan outlet less total pressure at fan inlet. Standard inlet density is to be taken as 0.75 lb/ft<sup>3</sup> with corrections for temperature, elevation, inlet static pressure, gas composition and humidity as defined in the schedule. Fans shall be selected to operate to the right of the peak static pressure at the given speed to ensure stable performance. Fan brake horsepower shall be equal to or less than specified at the given flow and fan static pressure.

### SOUND

Fan manufacturers shall provide sound power level ratings for fans tested and rated in accordance with AMCA Standards 300 and 301. Sound power ratings shall be in decibels (reference 10-12 watts) in eight octave bands. Sound power levels will be corrected for installation by the specifying engineer...dBA or sound pressure levels only are not acceptable.

### CONSTRUCTION

Fan housings are to be heavy – per chart below, continuously welded construction with flanged and punched outlet. Housings with lock seams or spot welded construction are not acceptable.

Fan Size	Class I & II	Class III & IV
122-200	12 gauge (0.1046" or 2.66 mm)	10 gauge
222-365	10 gauge (0.1345" or 3.42 mm)	10 gauge
405-730	10 gauge (0.1345" or 3.42 mm)	7 gauge
805-890	7 gauge (0.1875" or 4.76 mm)	7 gauge

### BEARINGS (belt driven fans)

Bearings are to be heavy duty, grease lubricated, precision anti-friction spherical roller, self-aligning pillow block design. Bearings shall be designed for a minimum L-10 life of AMCA Class I: 15,000, AMCA Class II: 40,000, AMCA Class III: 100,000, Class IV 200,000 when rated at the fan's maximum cataloged operating speed for the given class.

### SHAFT (belt driven fans)

Shafts are to be ASTM A-108 steel, grade 1040/1045, precision turned, ground and polished. Grade 1018 steel is not acceptable. The shaft's first critical speed shall be at least 143% of the fan's maximum operating speed.



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## VENTILATING CENTRIFUGAL FAN with AIRFOIL BLADES –8000

### PAINT

All fan surfaces are to be thoroughly prepared prior to painting using a combination of washing and hand and power tool cleaning as required in SSPC-SP-3. After cleaning, all surfaces (except wheel) are to be coated with industrial grade alkyd enamel. Surfaces of bolted components not accessible after assembly shall be coated and allowed to dry prior to final assembly. Primer only will not be accepted.

### BALANCE & INSPECTION

All fans shall be precision balanced to ISO quality grade 2.5, report to be submitted with the maintenance manual. A final inspection by a qualified inspector prior to shipment is required to include: scope of supply confirmation, balance, welding, dimensions, bearings, duct and base connection points, paint finish and overall workmanship.

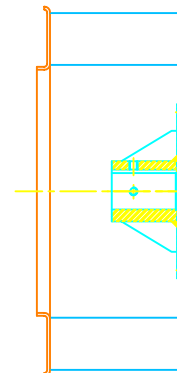
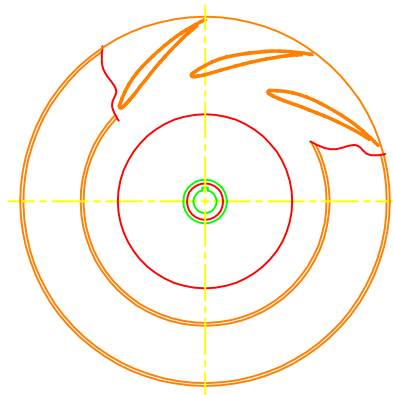
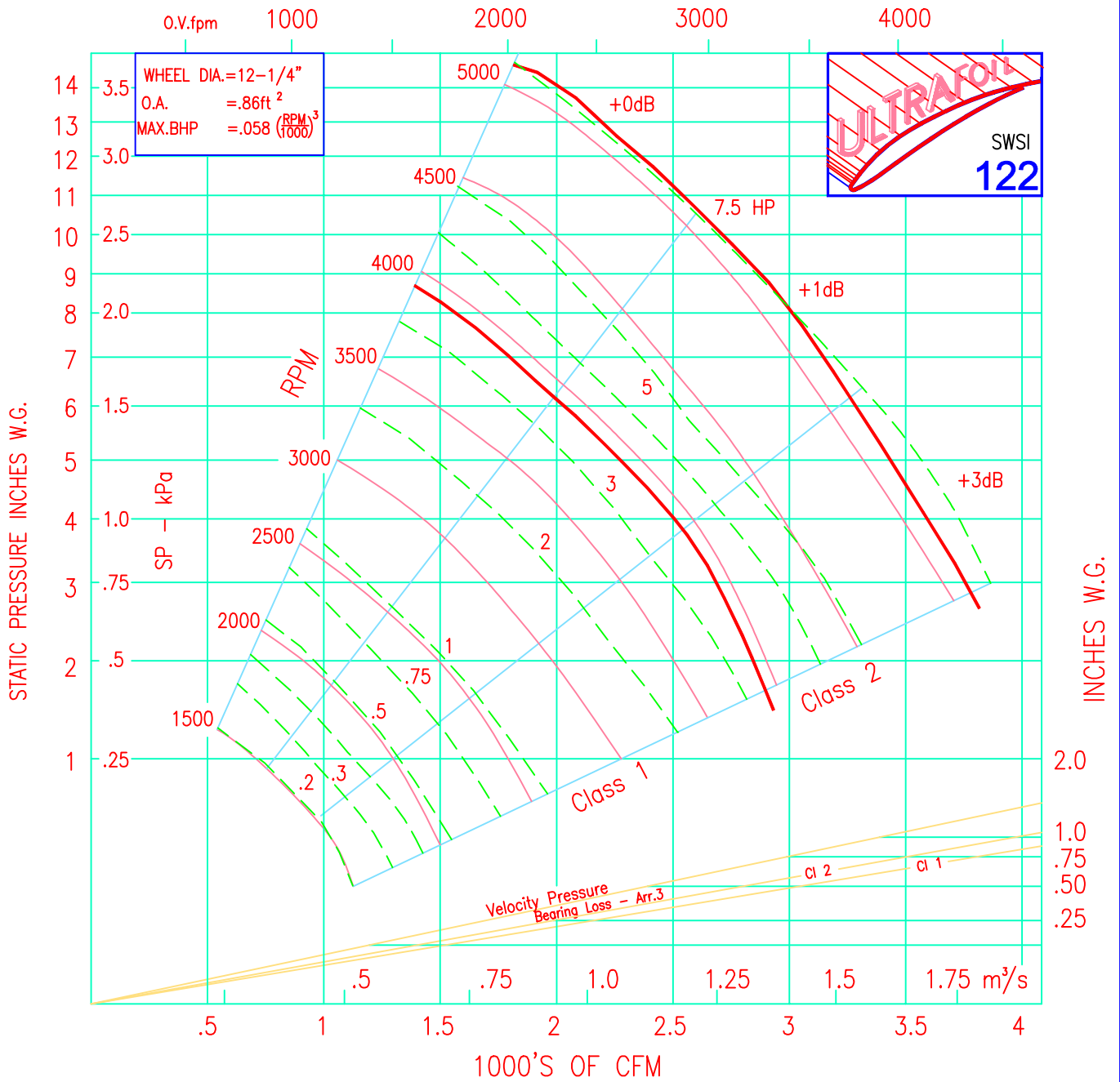
### ACCESSORIES

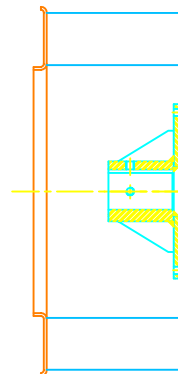
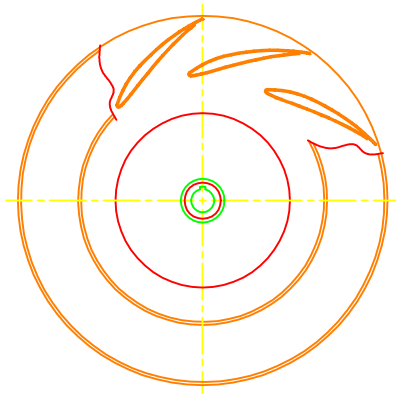
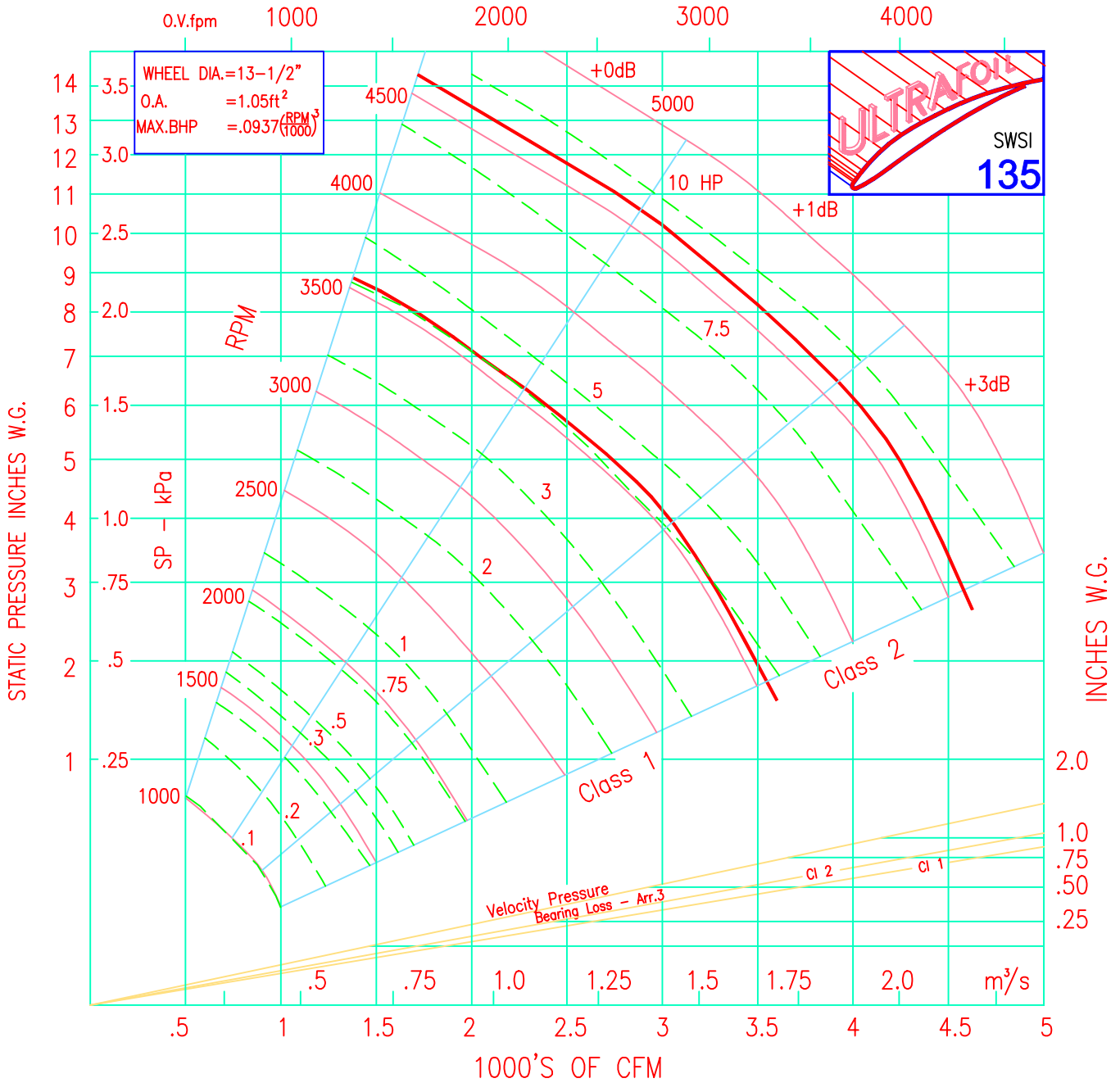
Accessories shall be provided as called for in the plans and specifications. Standard accessories include:

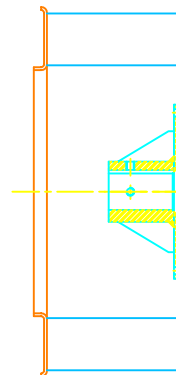
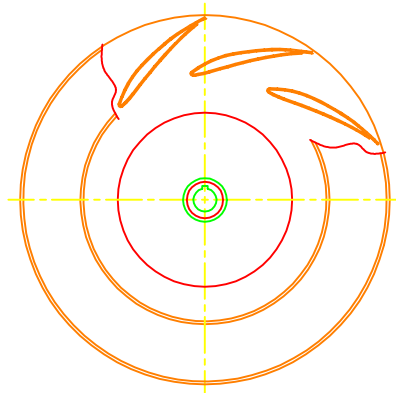
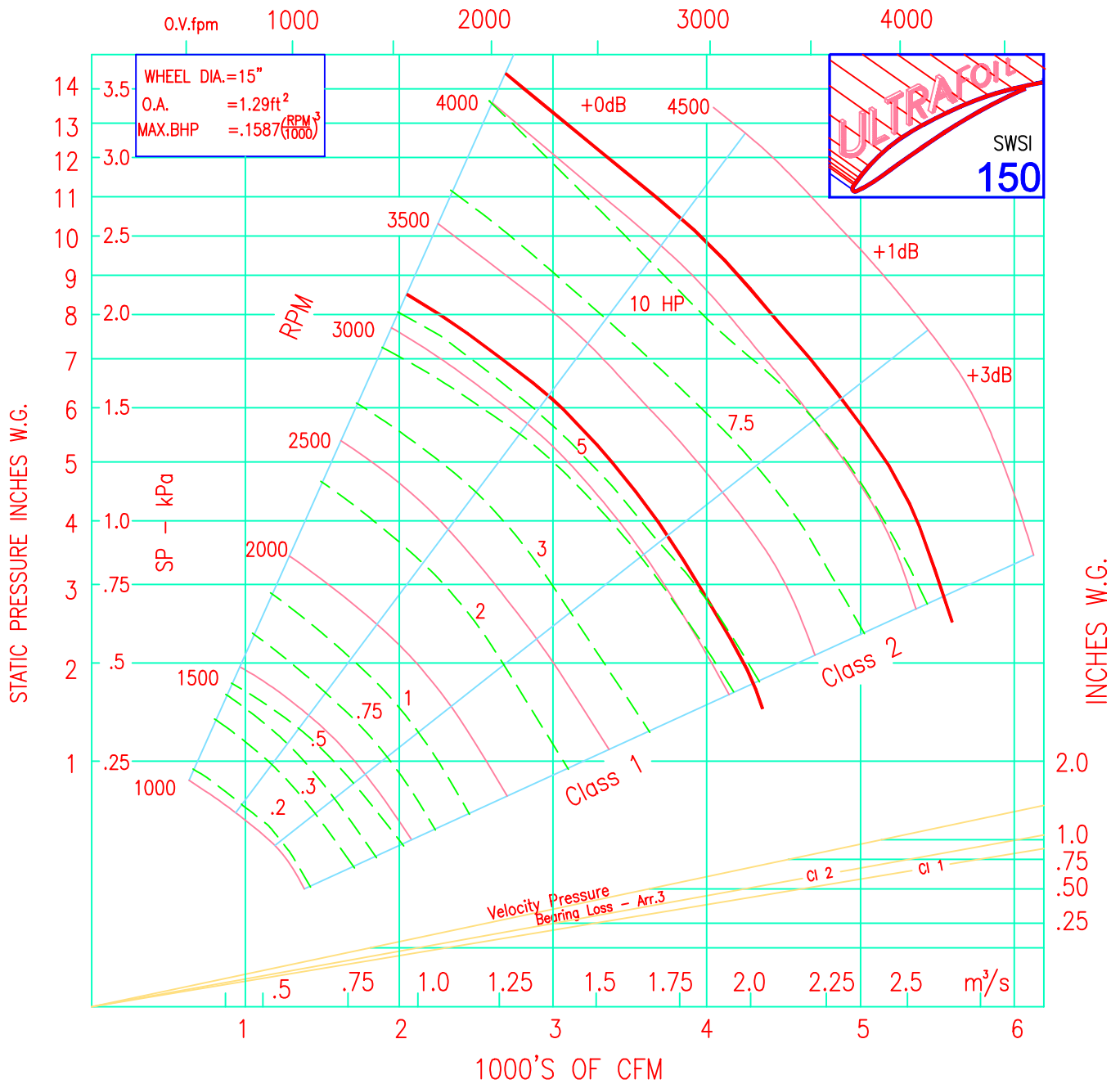
Motor to be NEMA Design B 3/60/460-575V-1800 rpm, high efficiency TEFC 1.15 SF  
V-Belt Drives - Variable Speed/Constant Speed with min 1.5 SF  
Belt Guard or weather cover required  
Extended lubrication lines (nylon, copper or stainless steel) with fittings terminating in an accessible area.

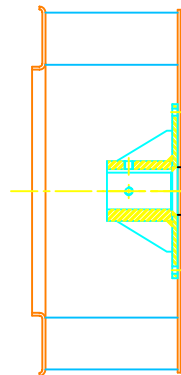
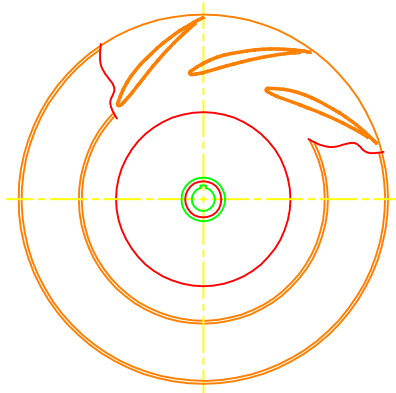
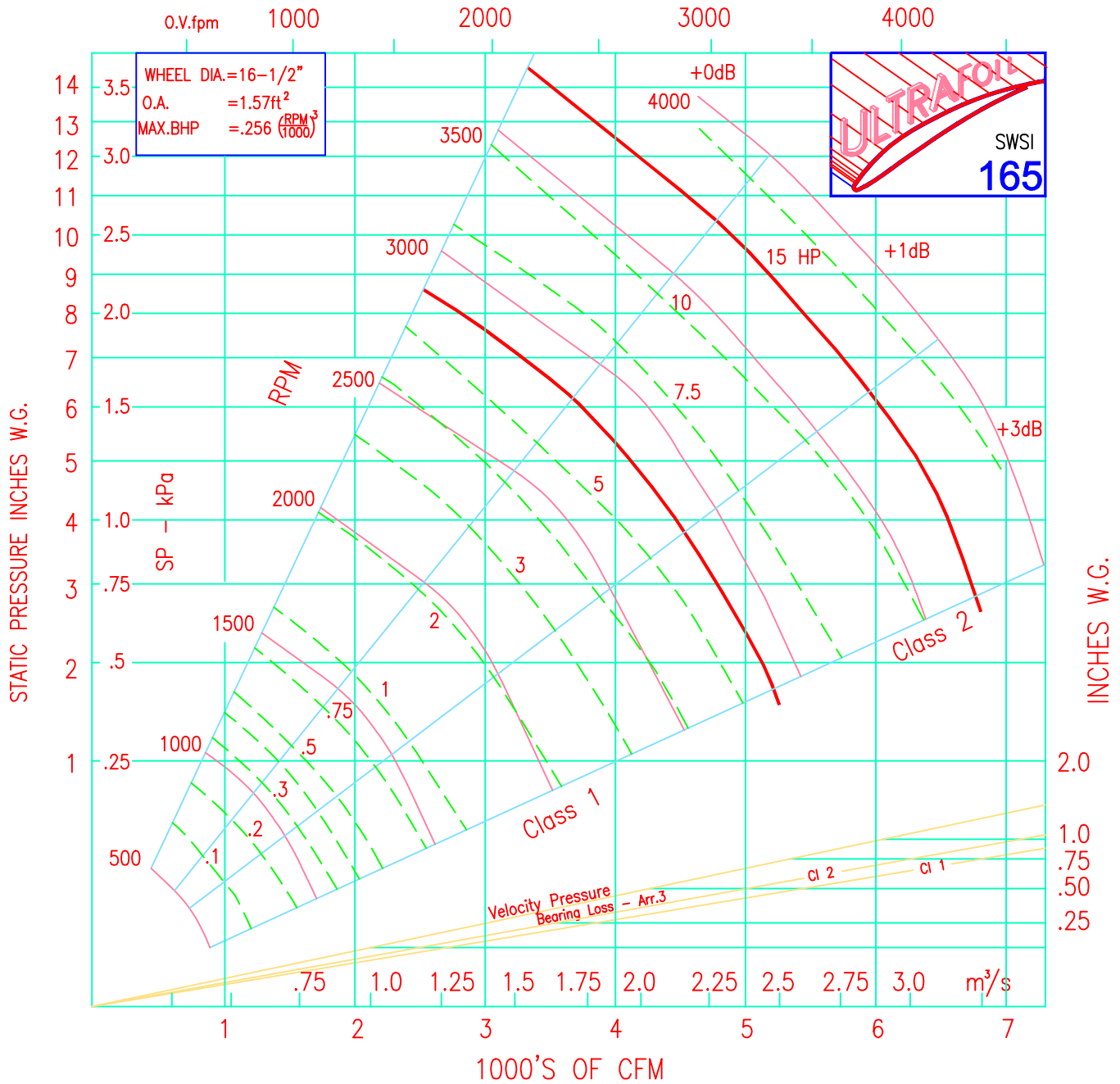
Additional Features that may be required:

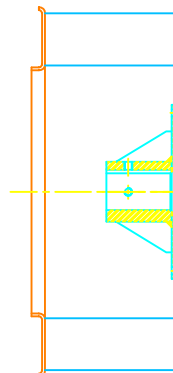
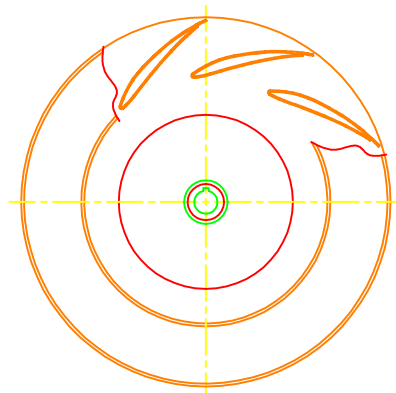
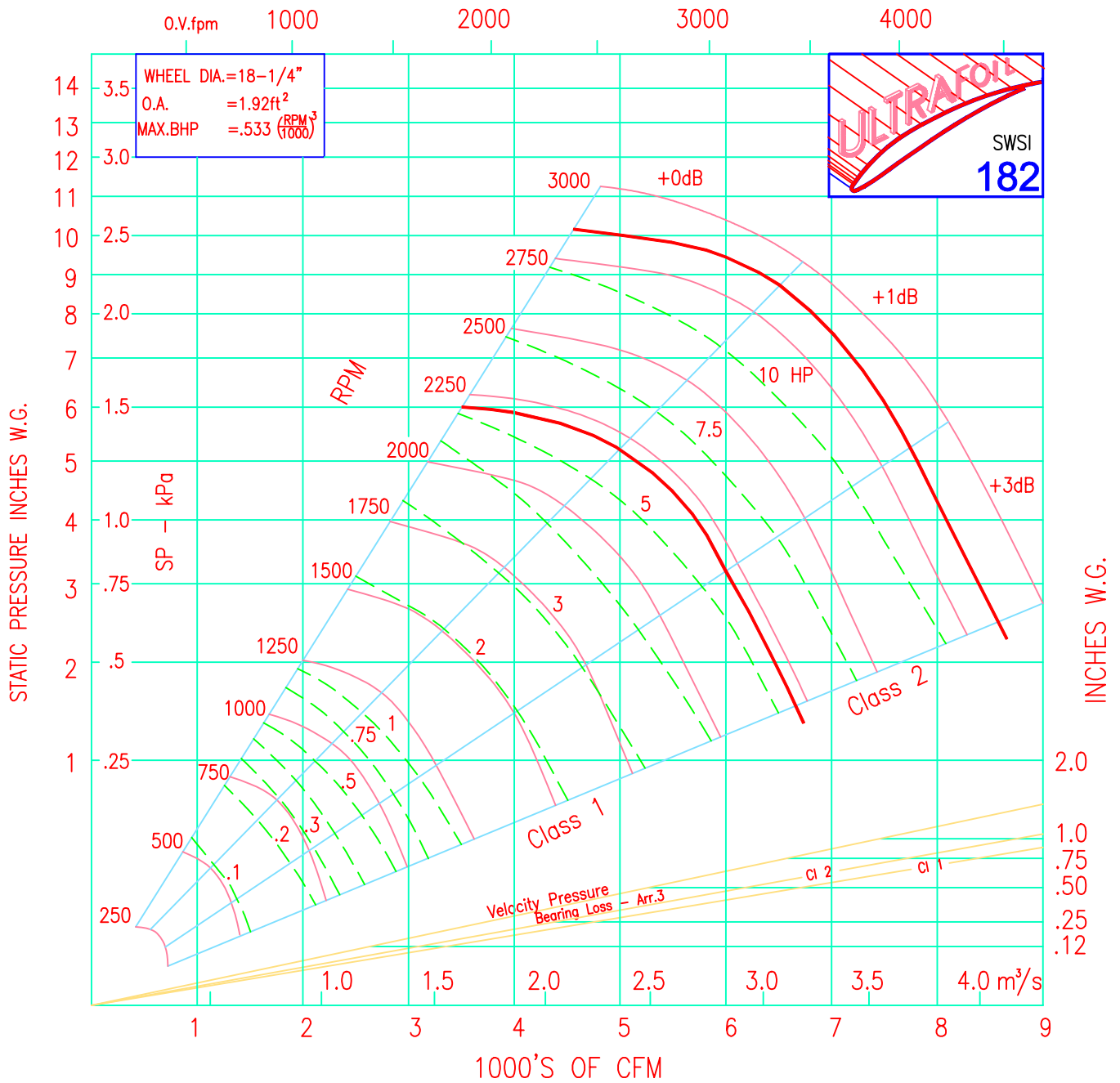
Split pillow block bearings  
Access Door – bolted/quick opening or plug type with raised door  
Companion Flange (angle companion flange bolted to the fan inlet or outlet flange)  
Inlet or Outlet screen heavy gauge wire on 2" centres  
Above 300°F, Shaft cooling wheel required  
Above 500°F, high temperature aluminum paint required  
Vibration Isolation - Spring - Rubber-In-Shear  
Inlet box  
Inlet box dampers  
Unitary base  
Inertia base with vibration isolators  
Spark Resistant Construction –  
    AMCA "A" All parts of the fan in contact with the air stream non-ferrous material  
    AMCA "B" Non-ferrous wheel and aluminum rubbing ring where shaft passes through  
        Housing with shaft seal  
    AMCA "C" Aluminum inlet cone and Aluminum rubbing ring  
Variable inlet vanes



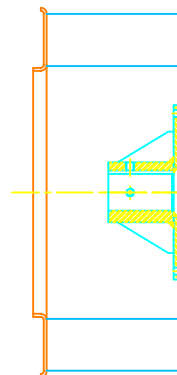
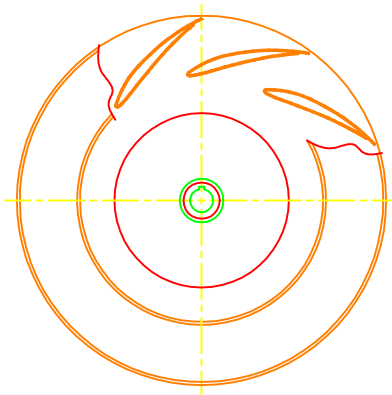
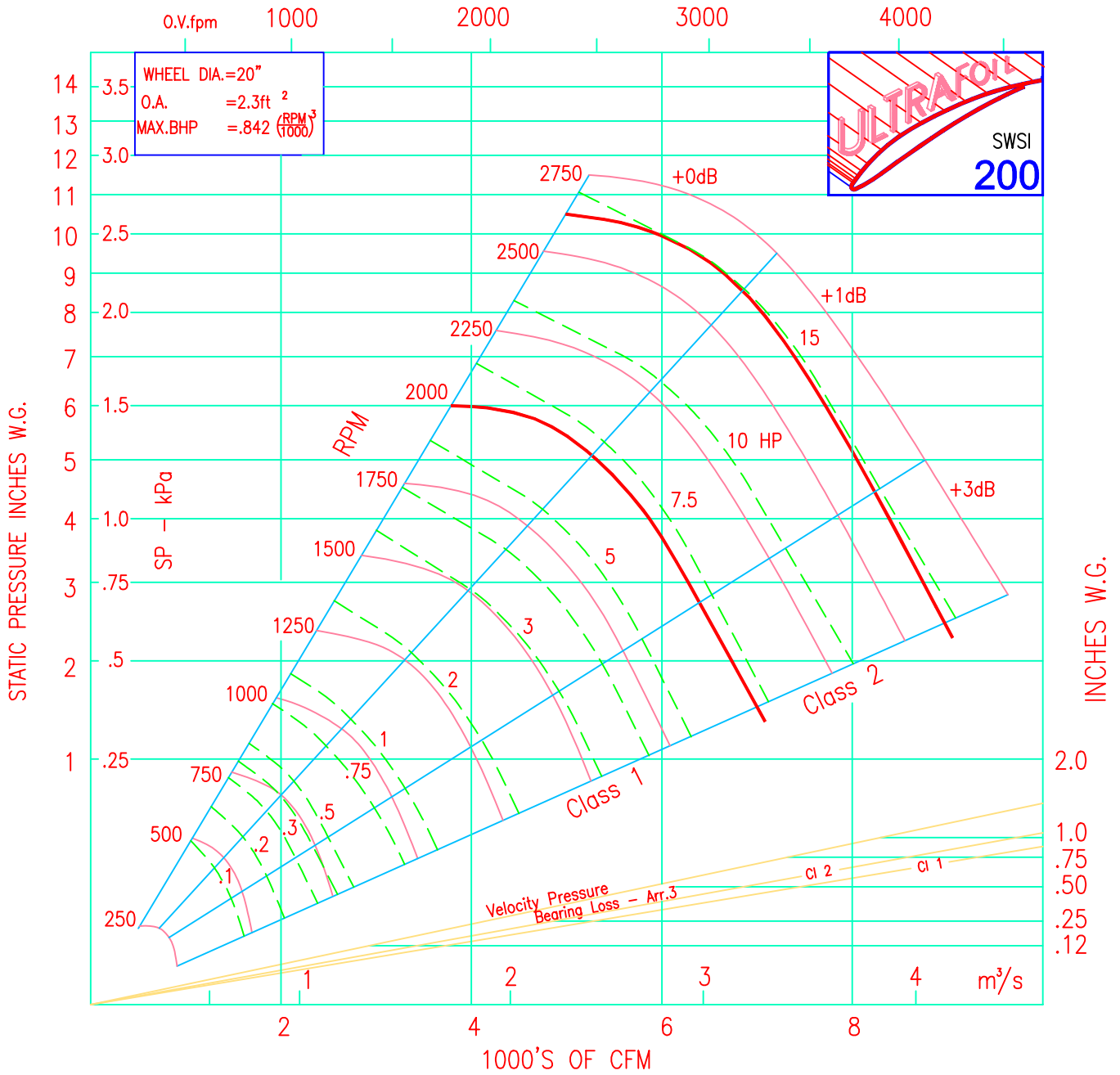


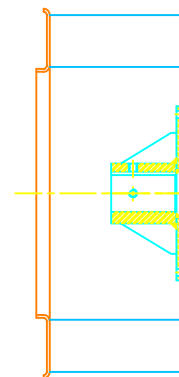
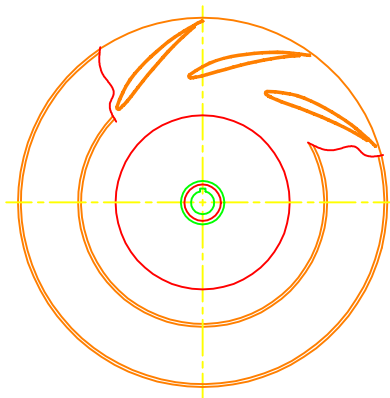
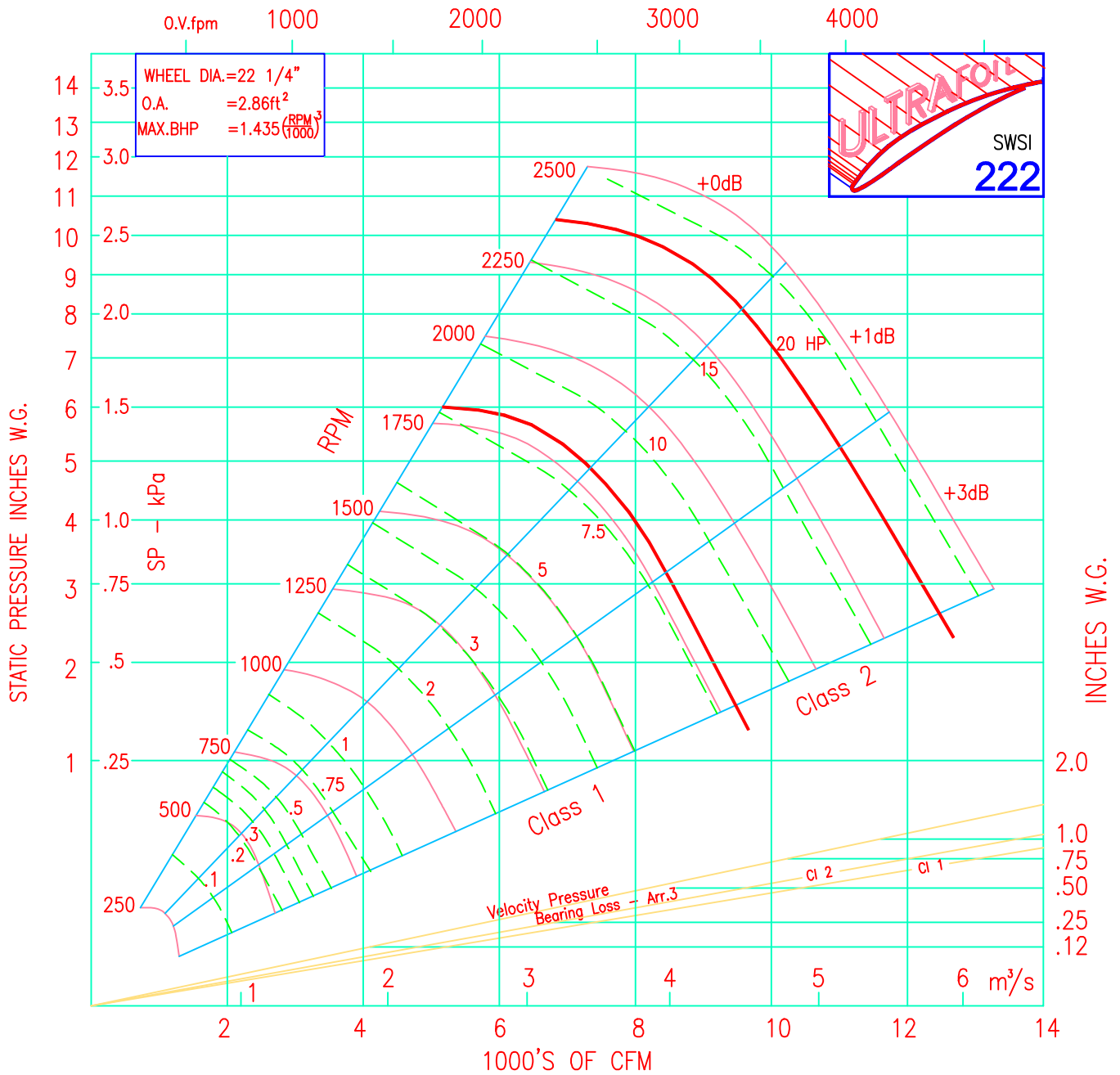


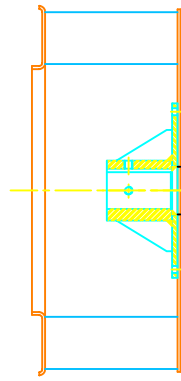
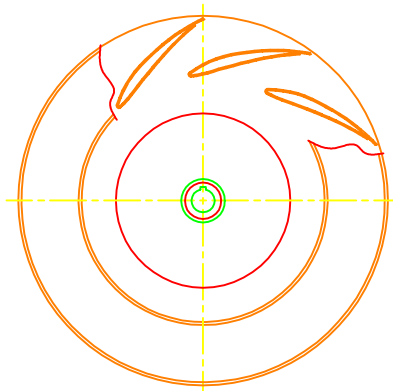
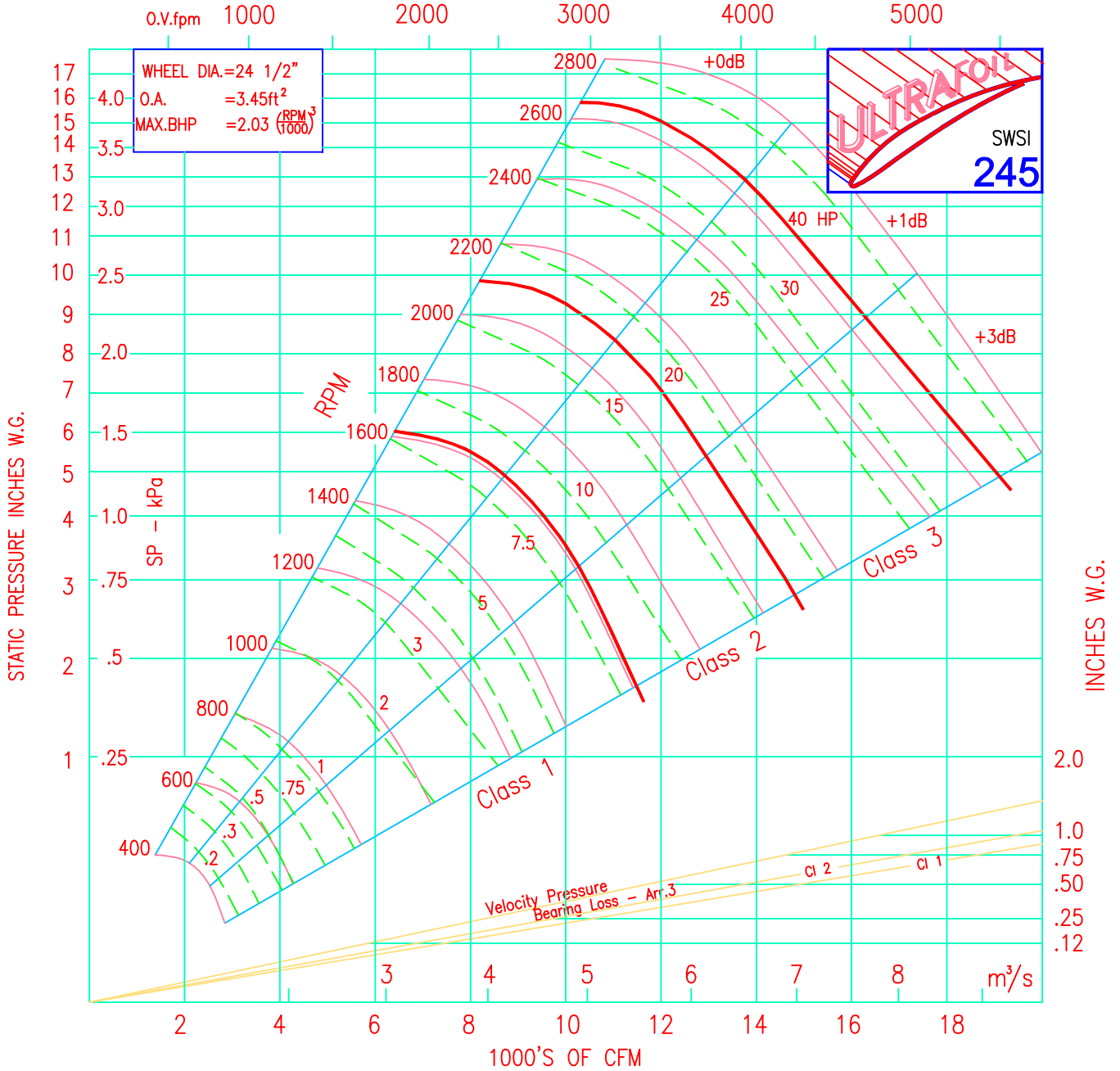


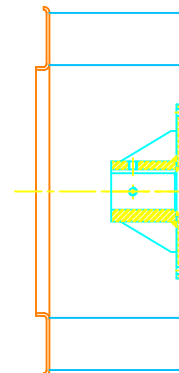
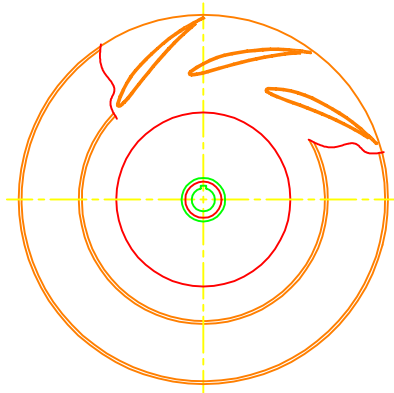
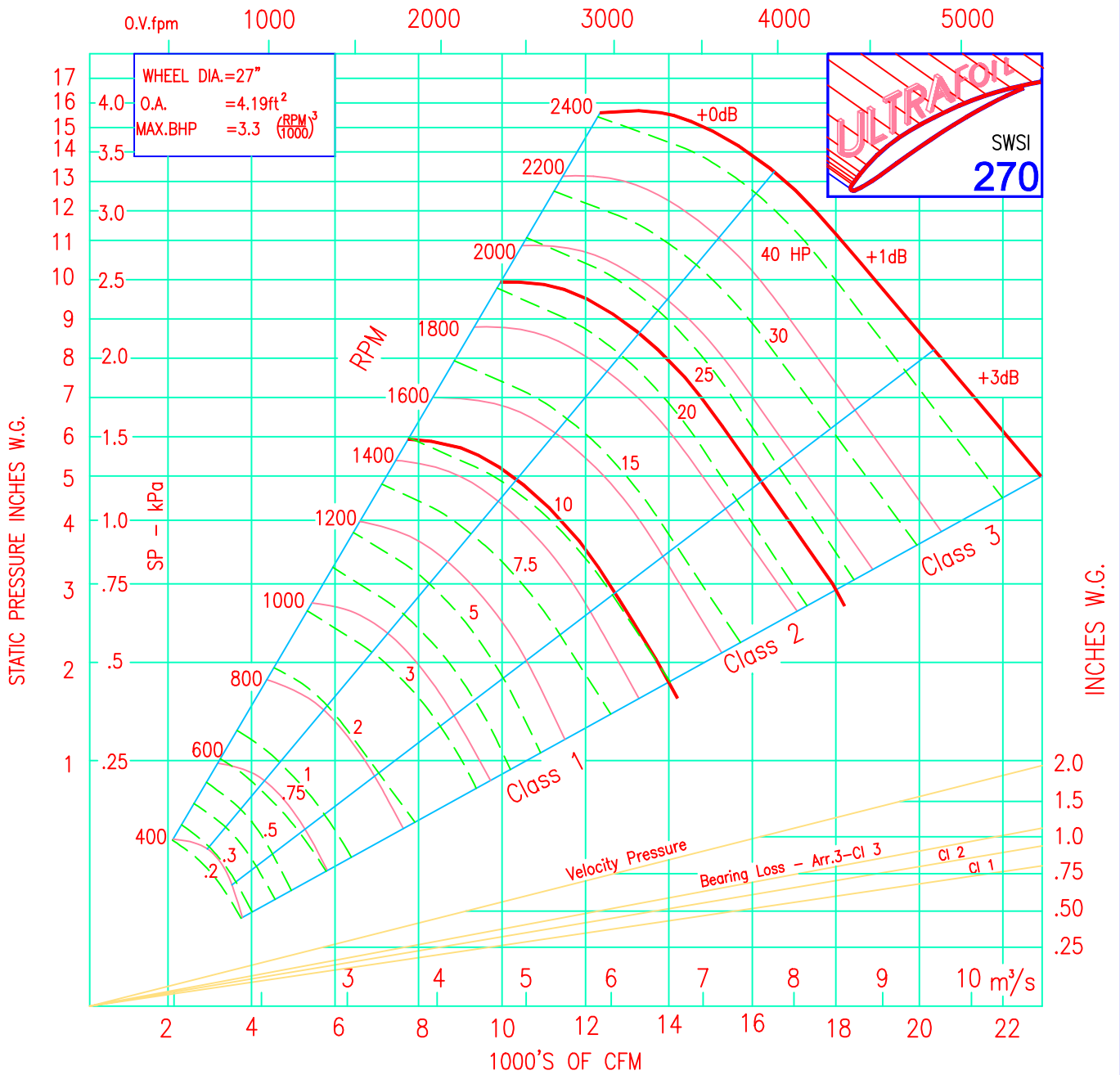


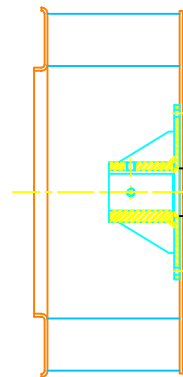
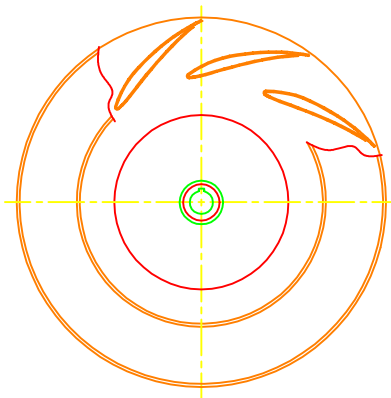
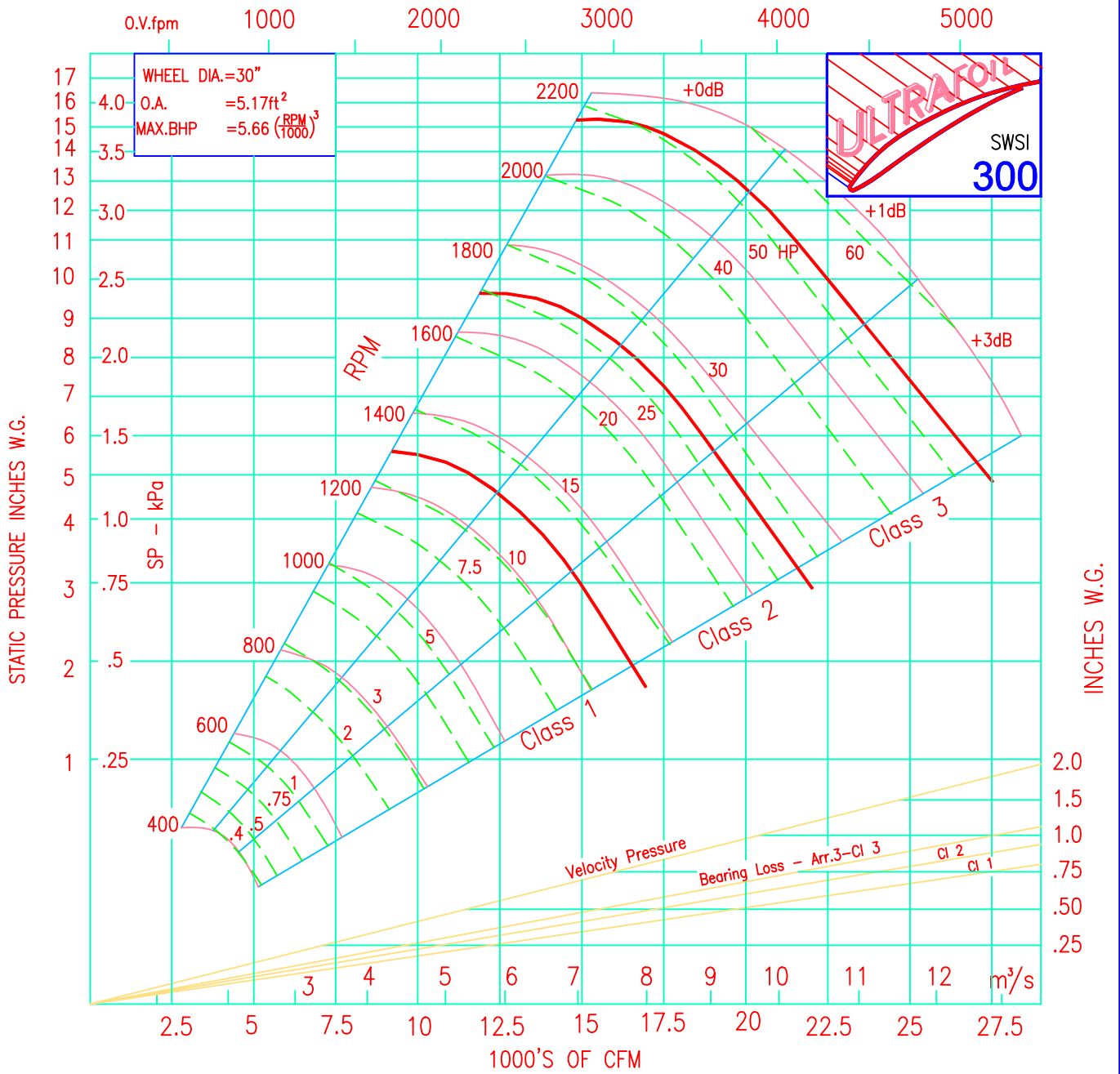


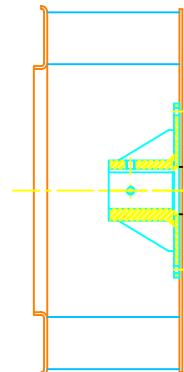
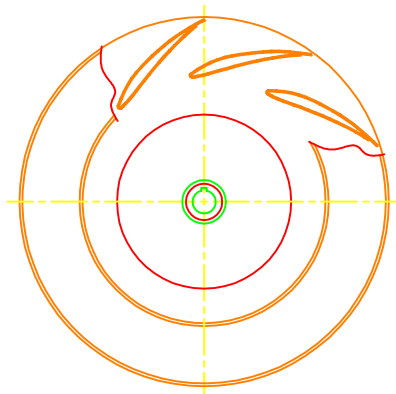
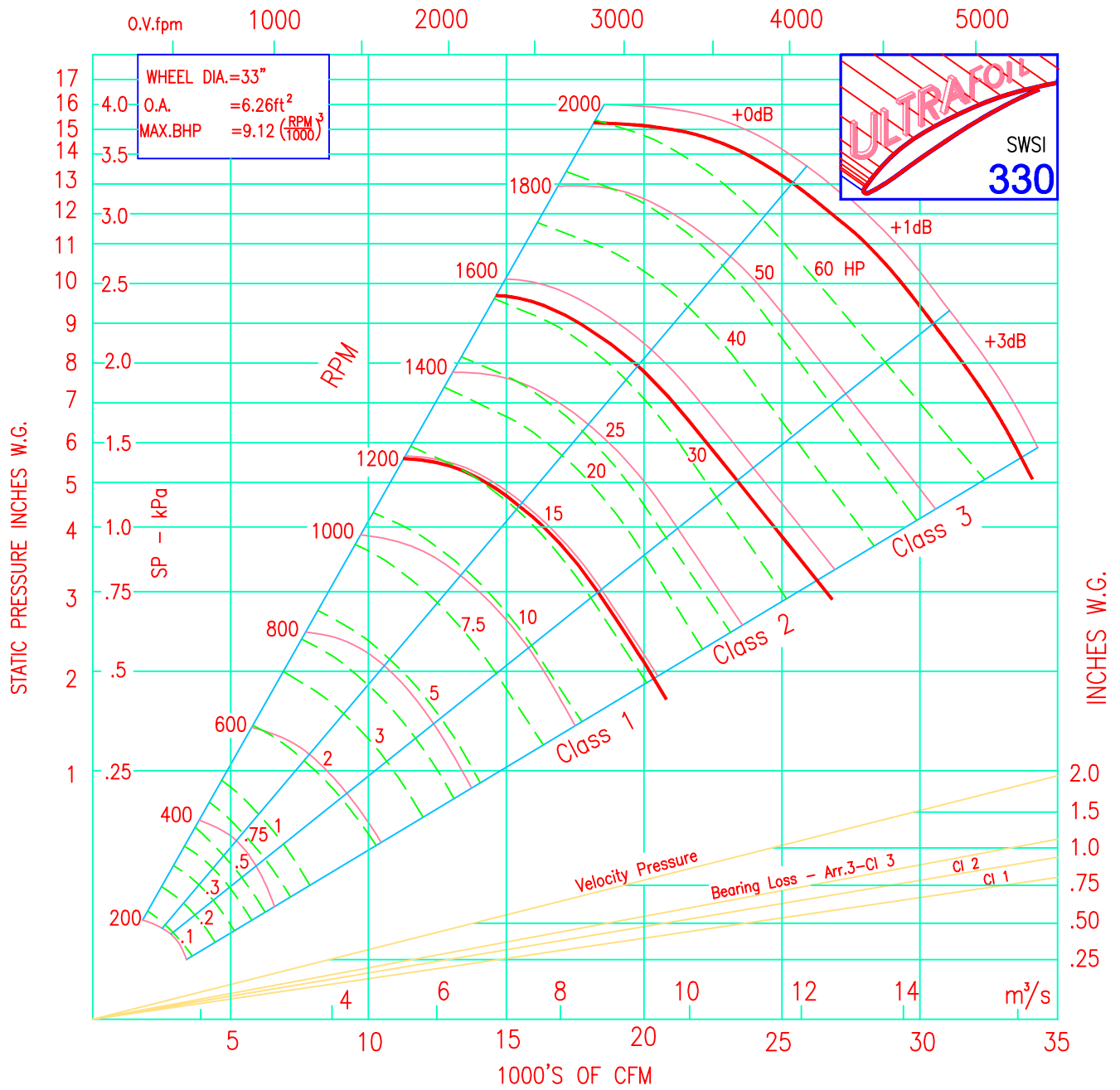


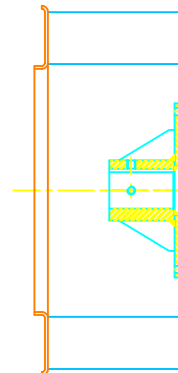
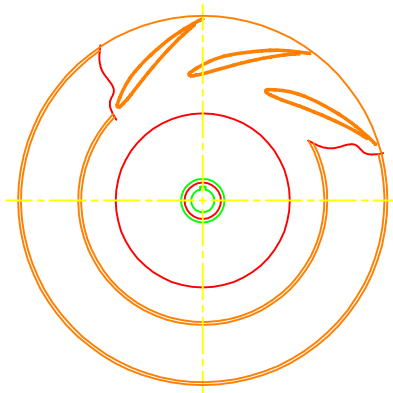
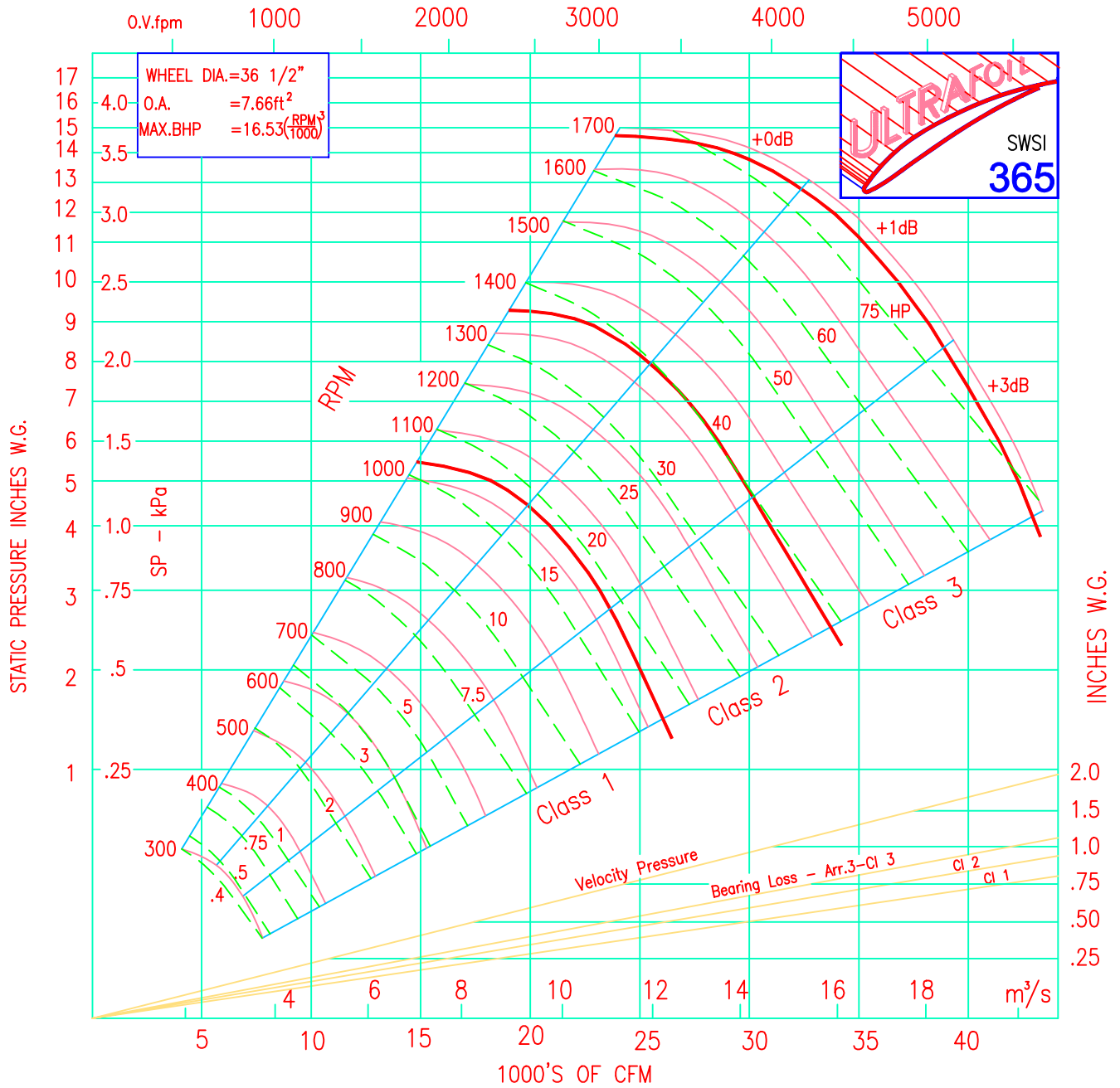


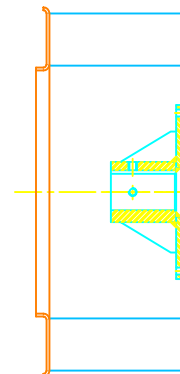
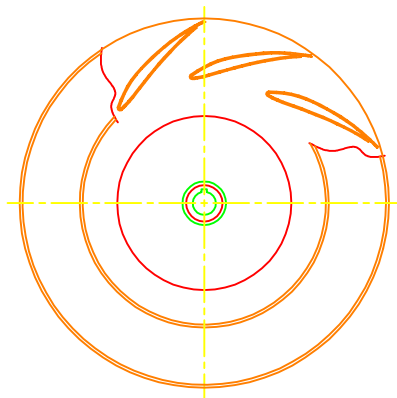
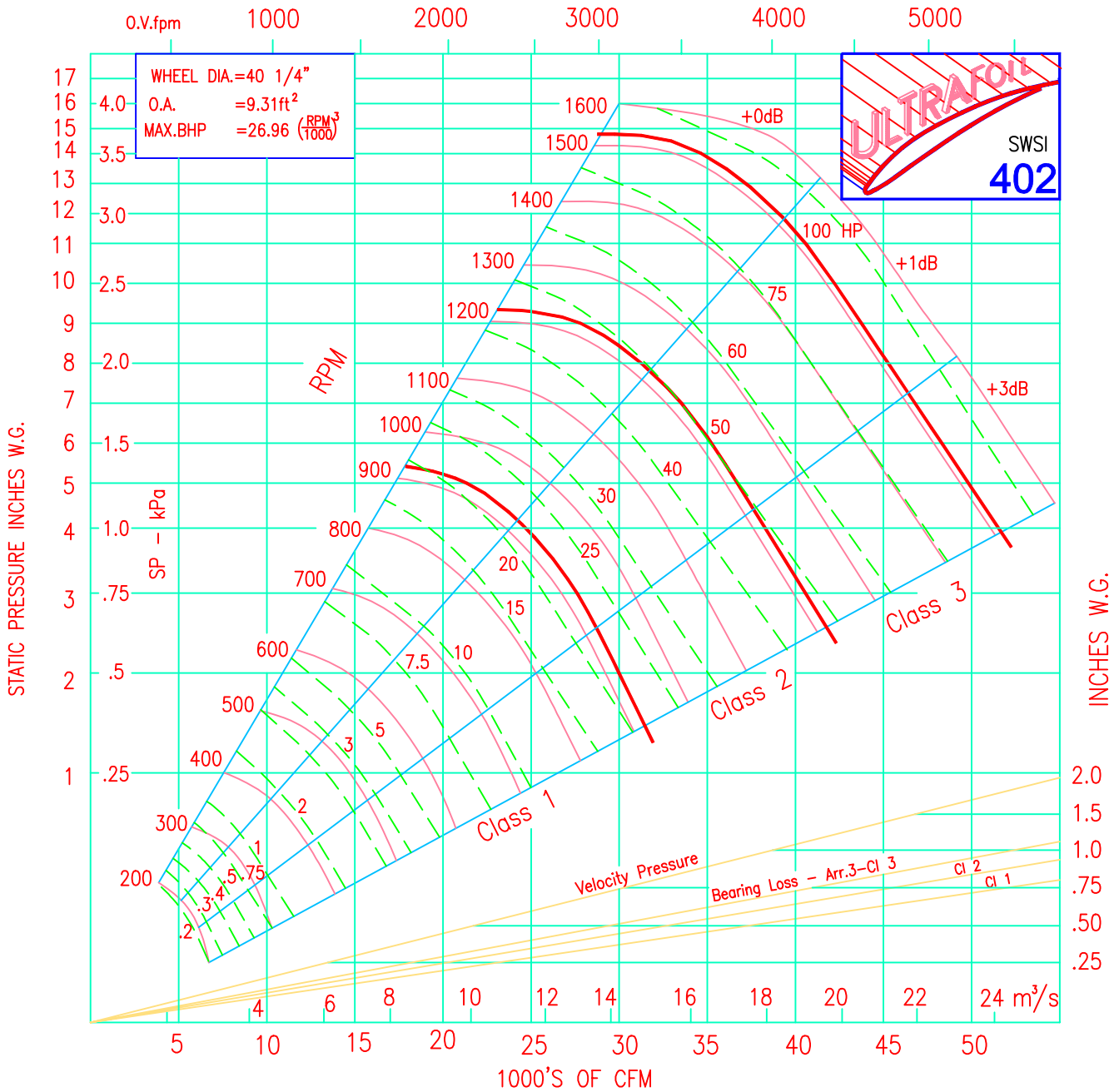




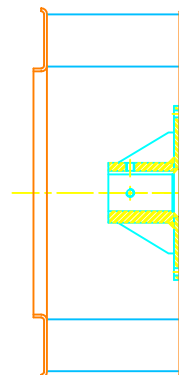
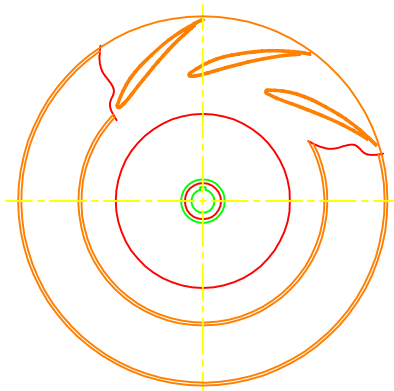
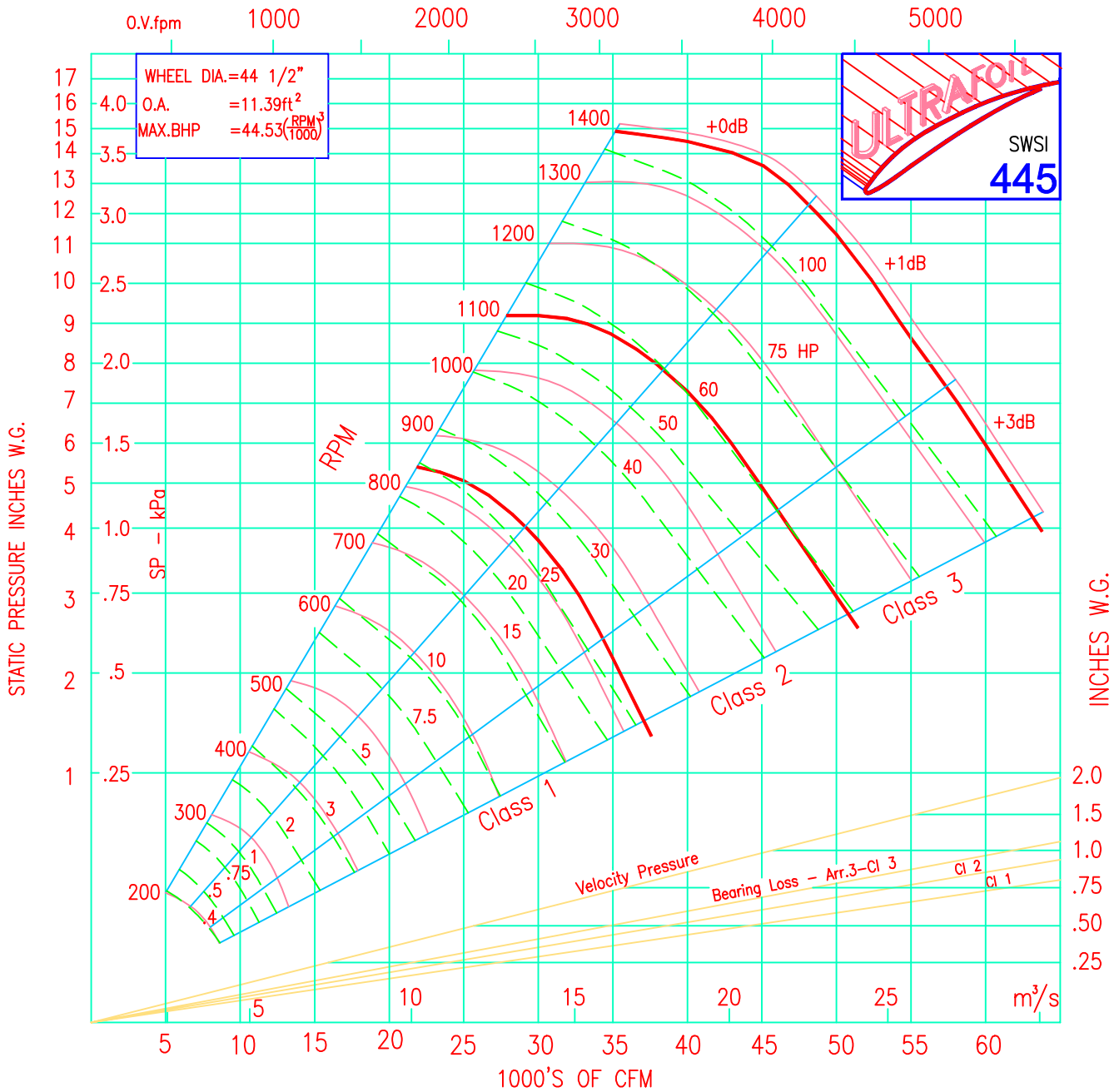


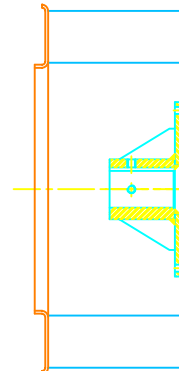
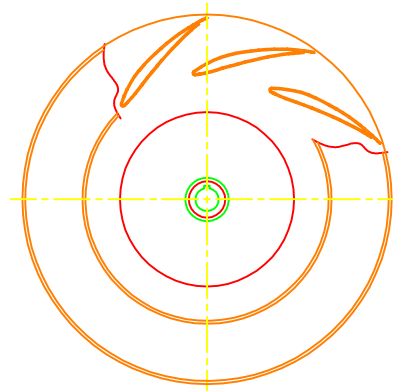
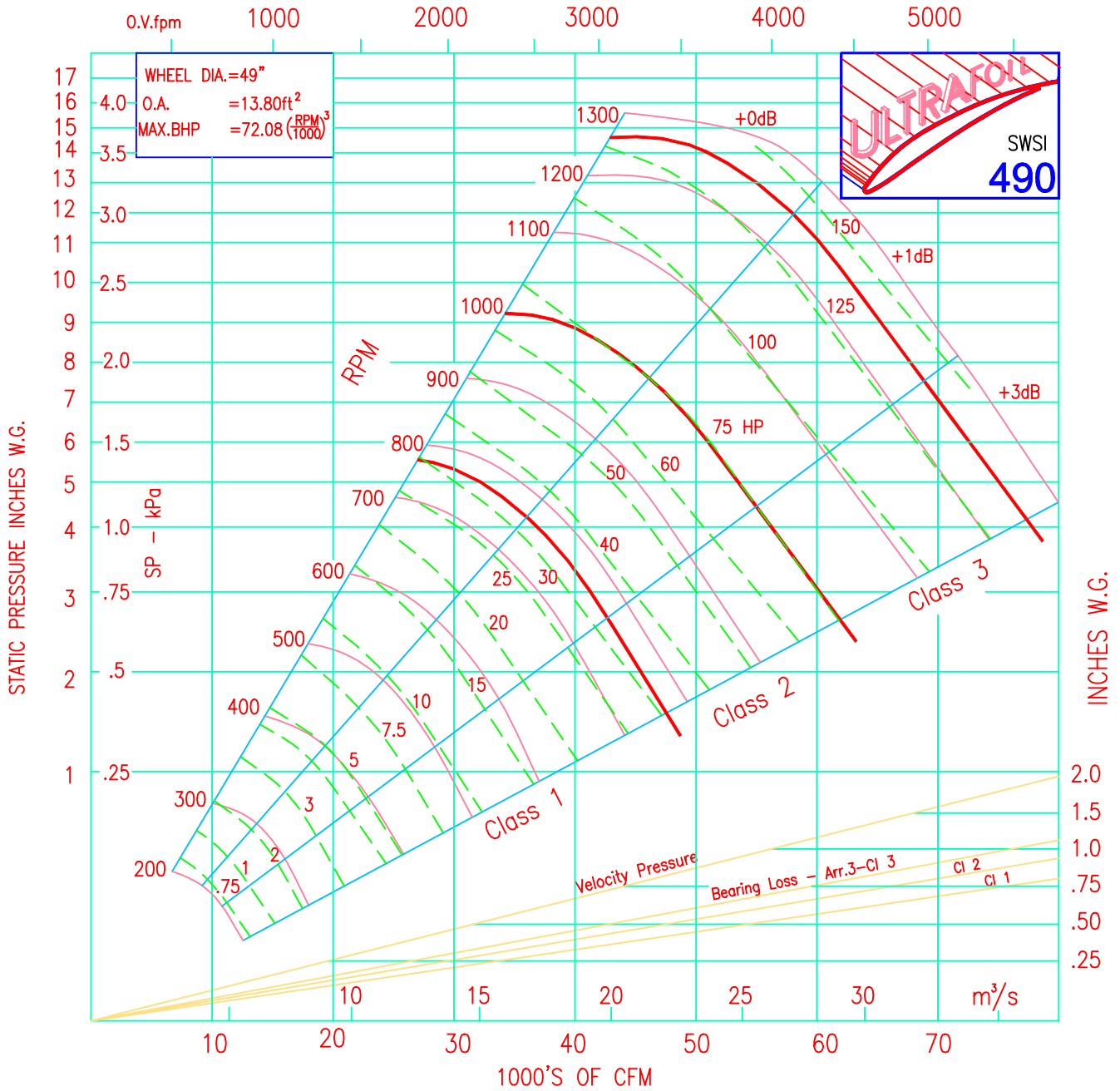


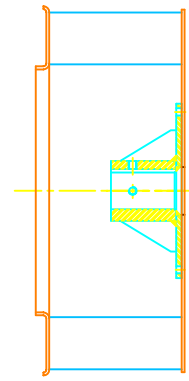
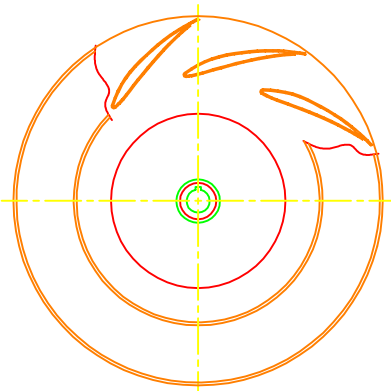
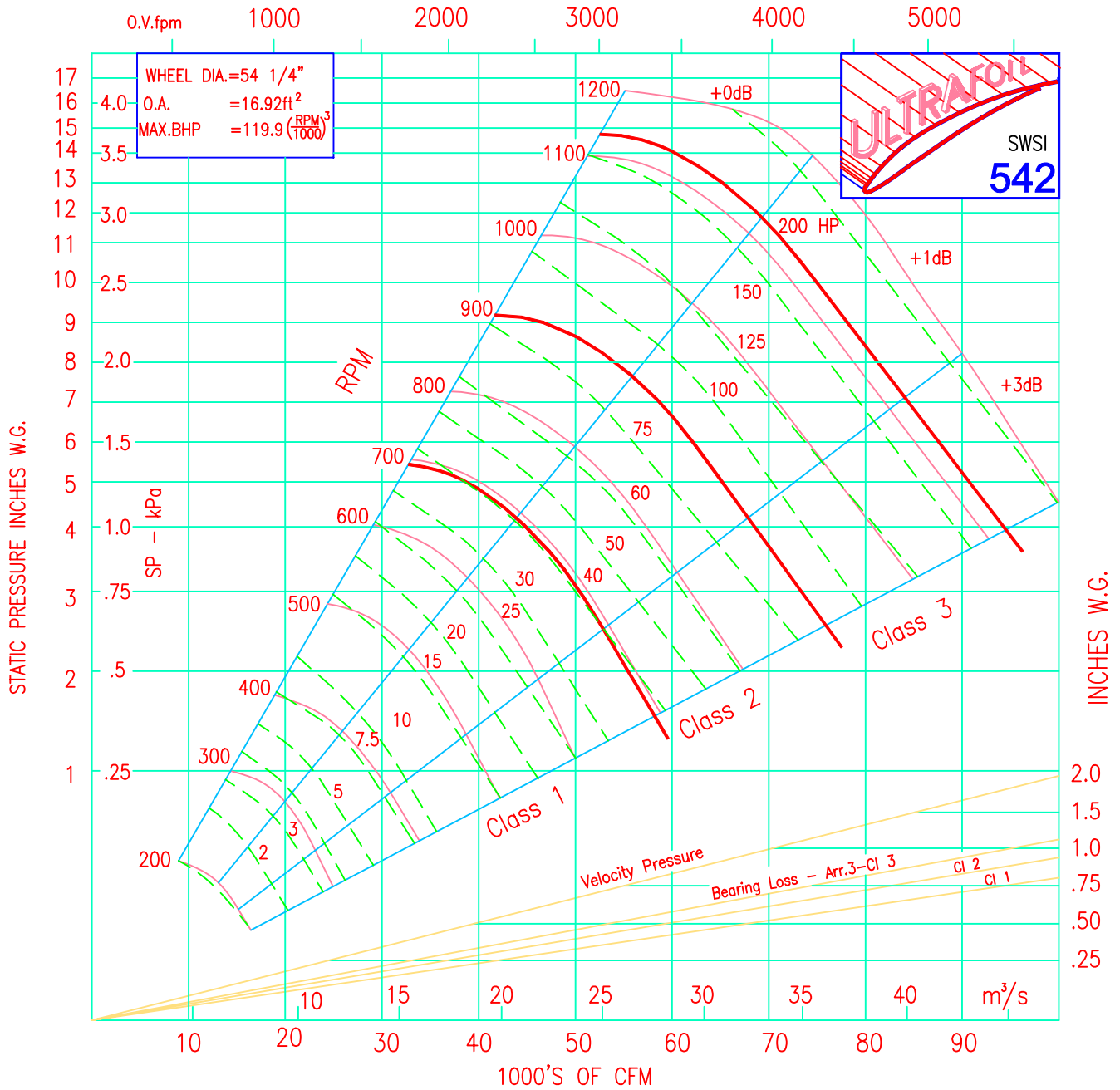


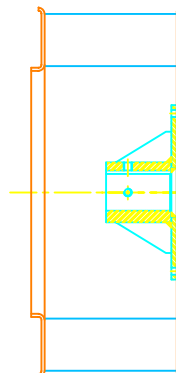
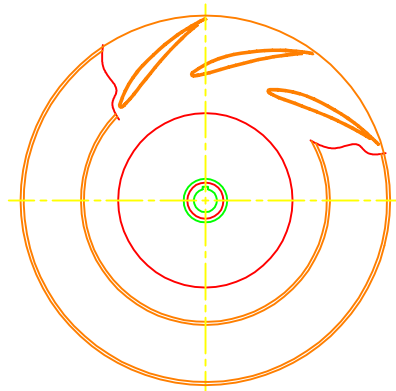
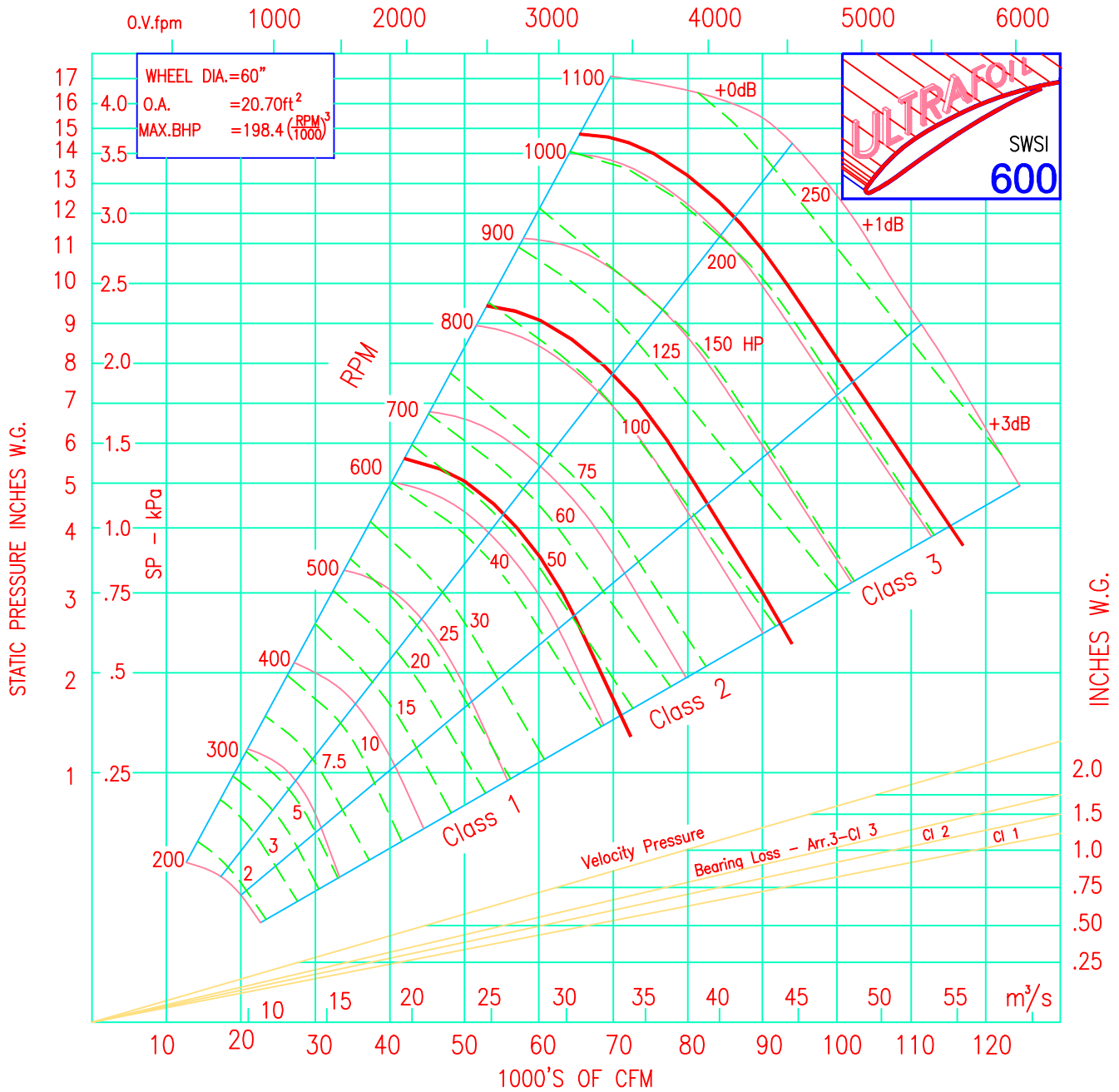


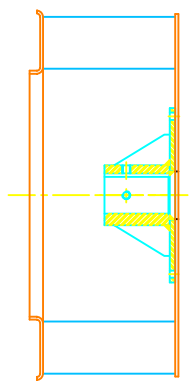
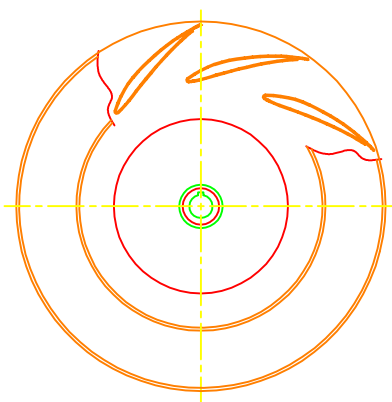
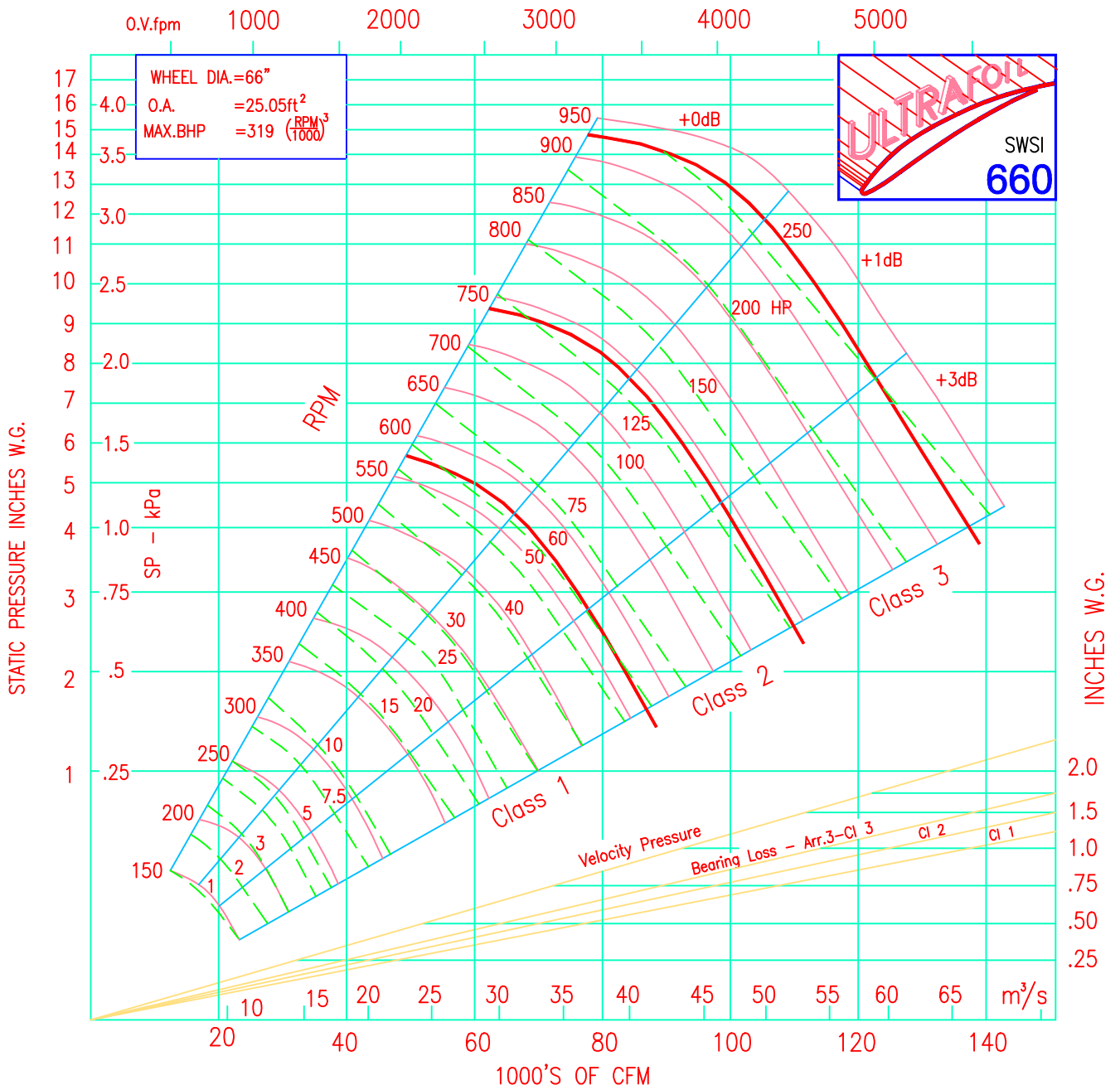


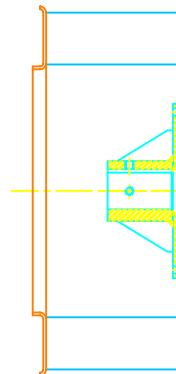
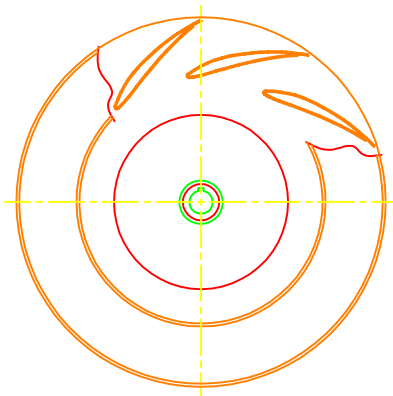
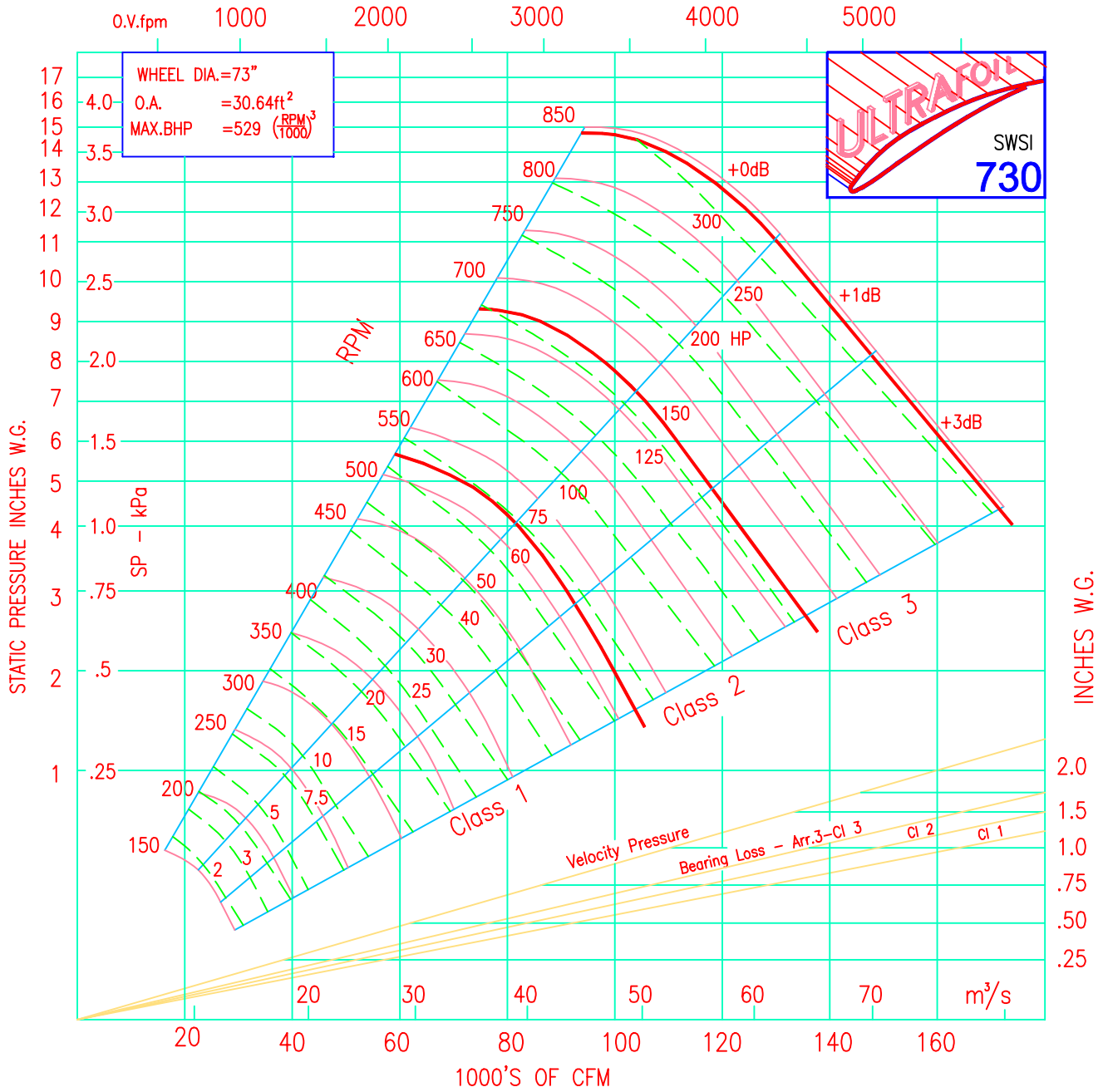


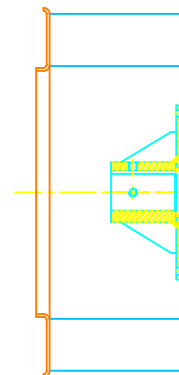
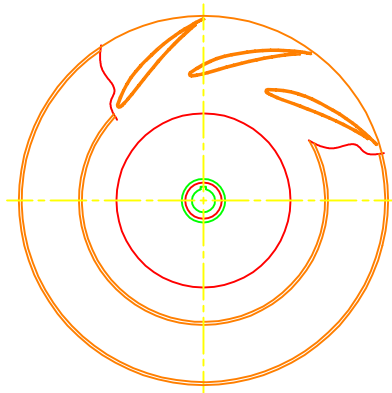
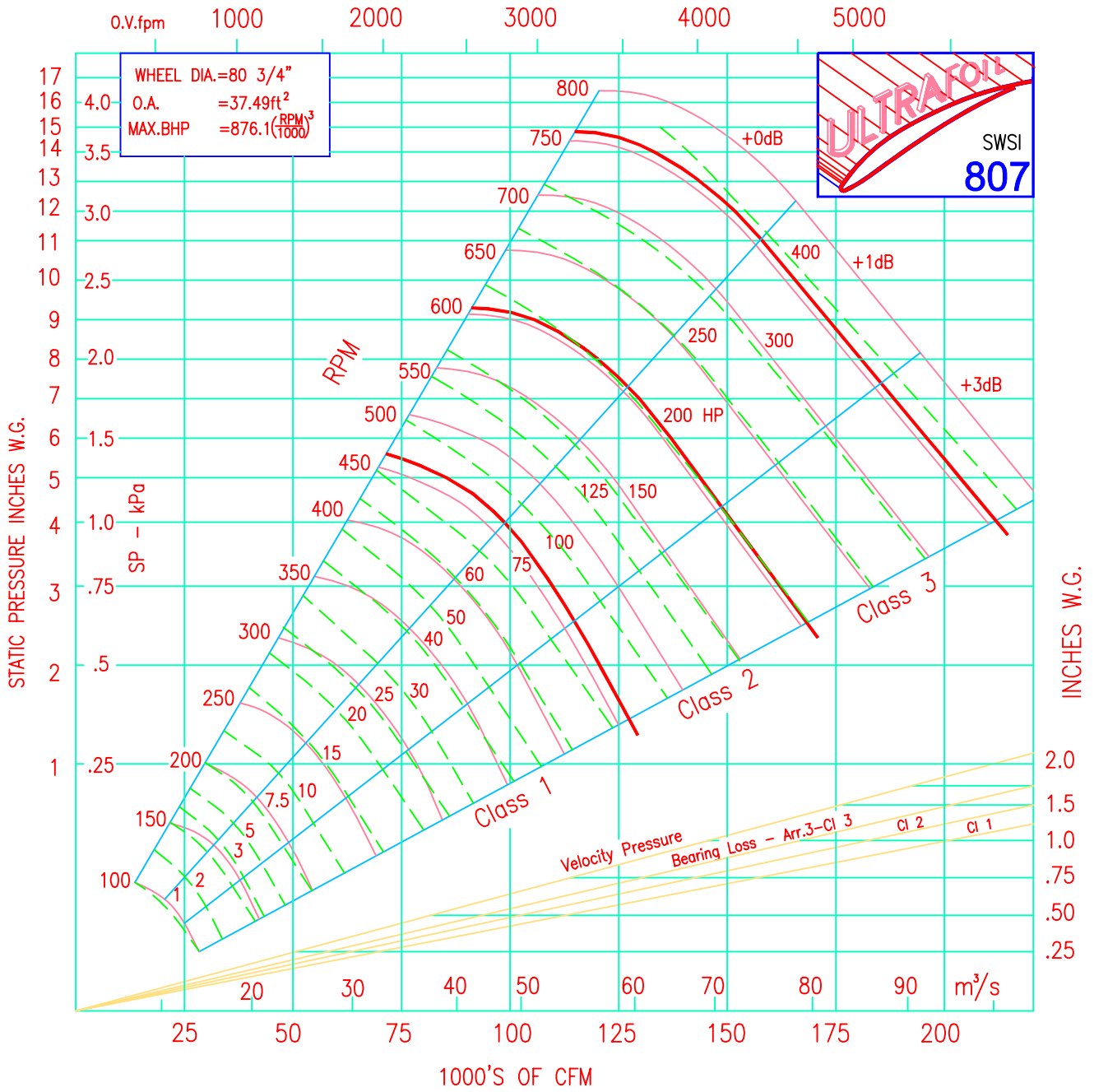


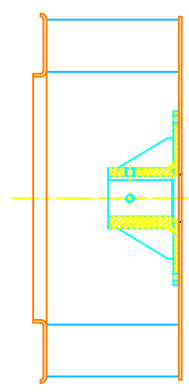
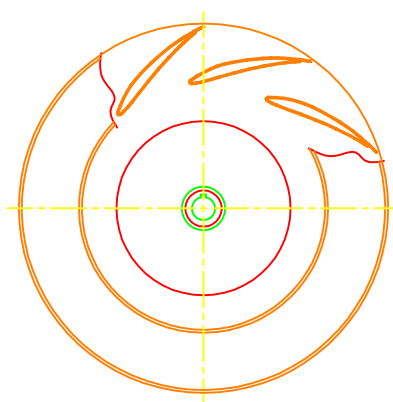
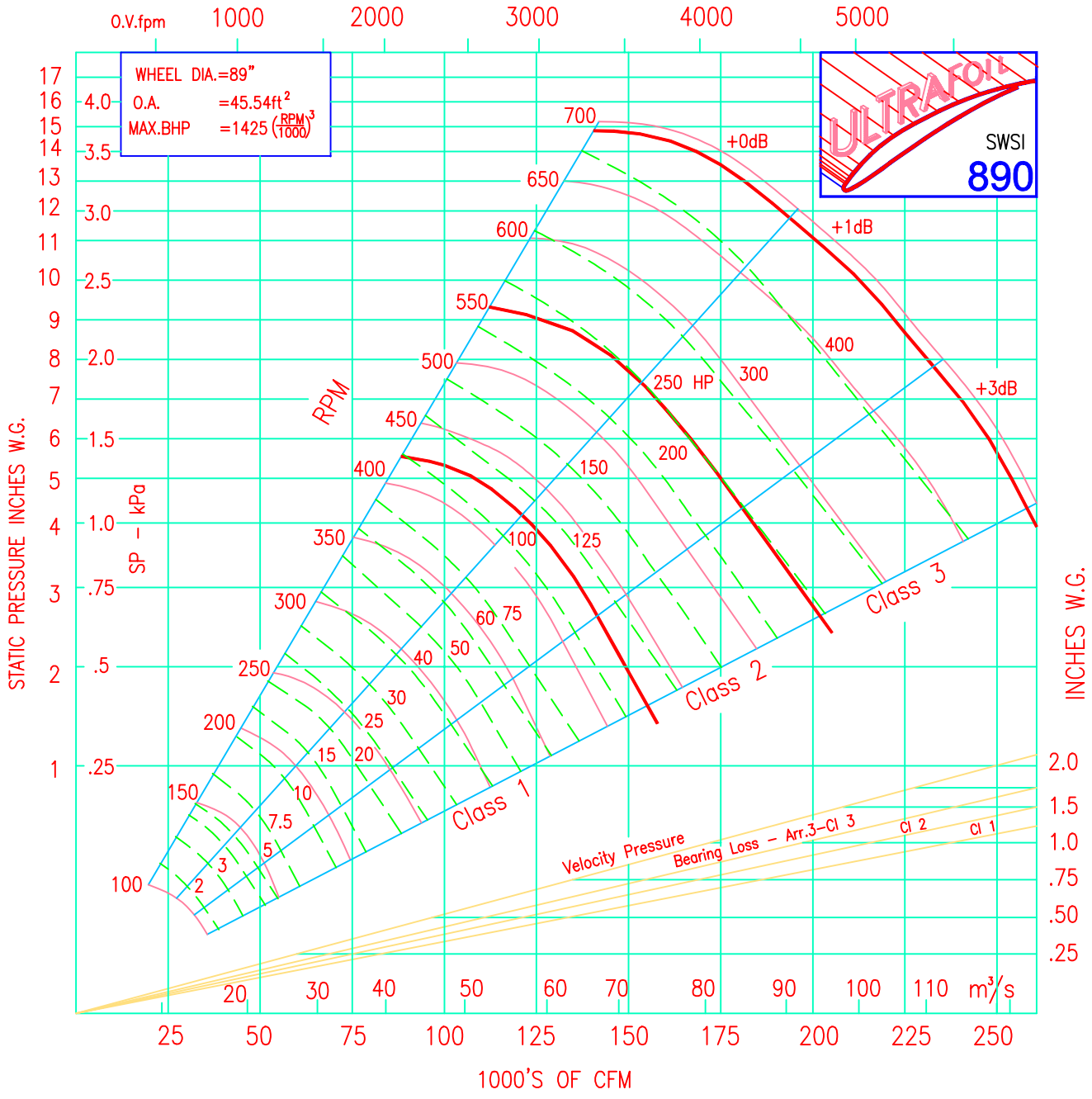




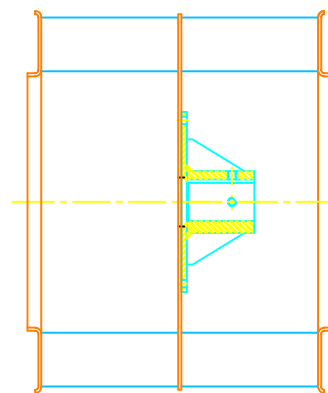
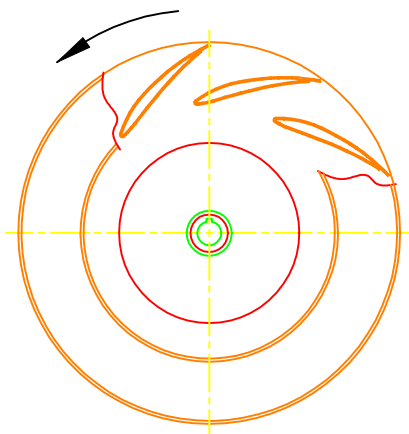
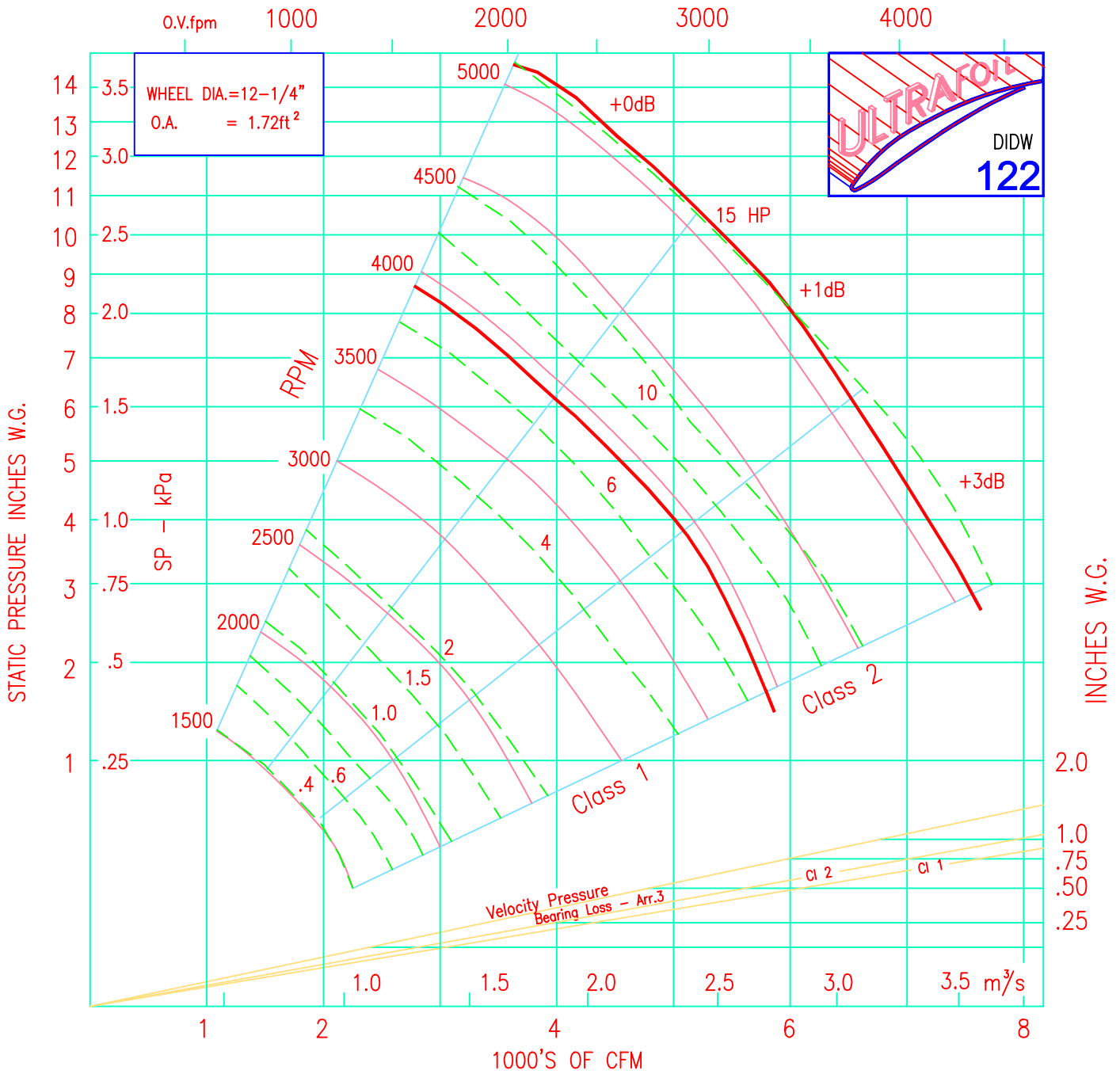




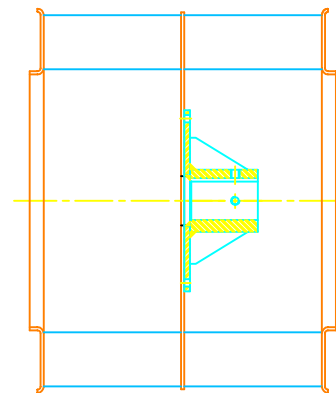
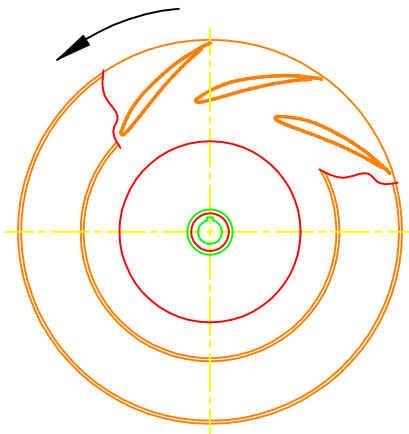
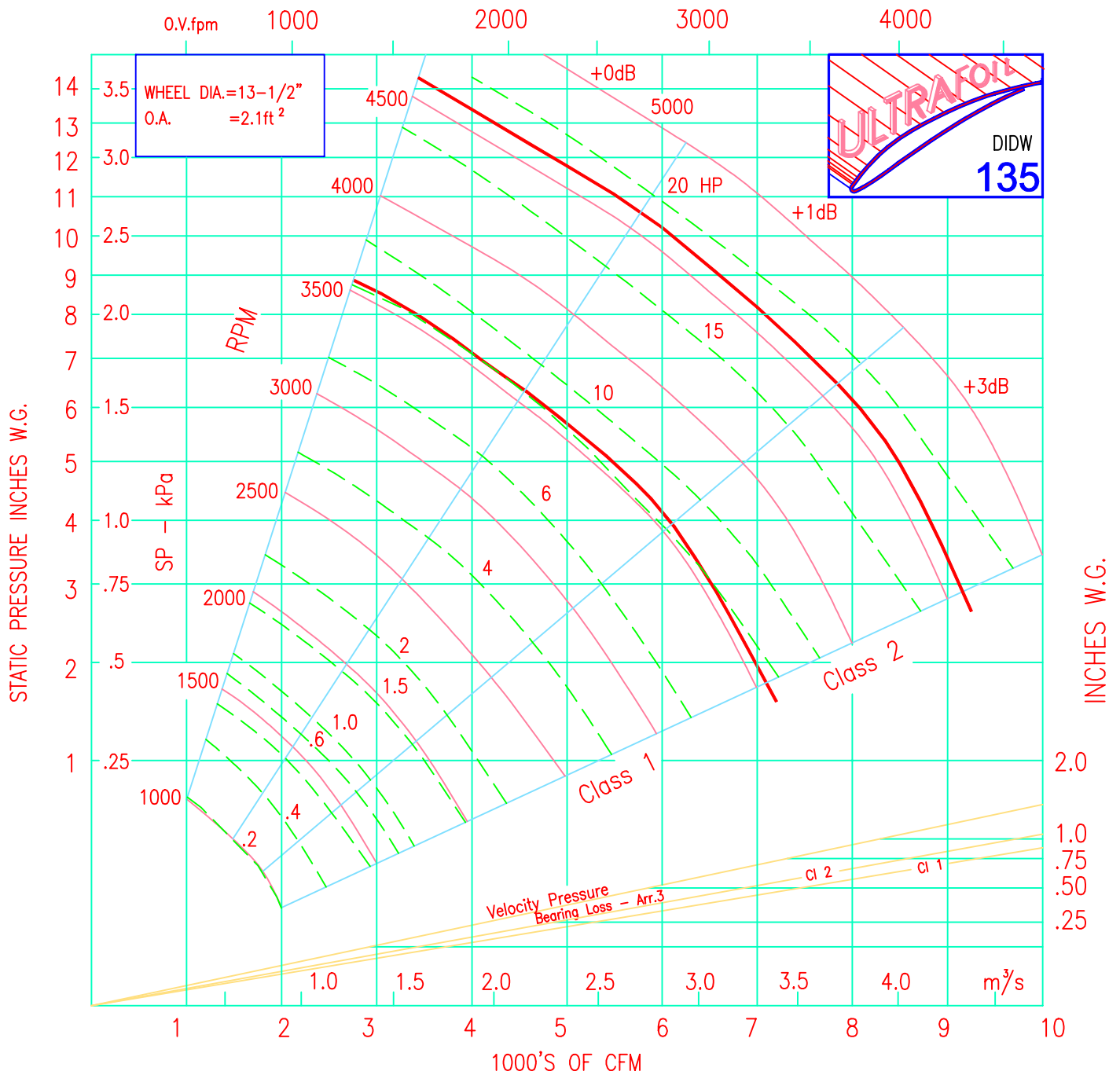




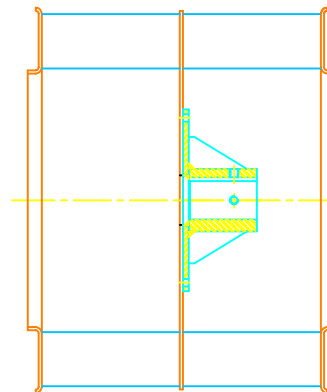
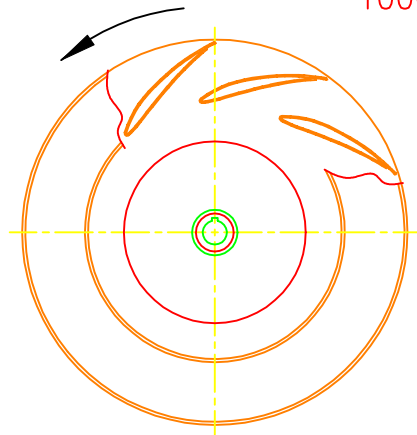
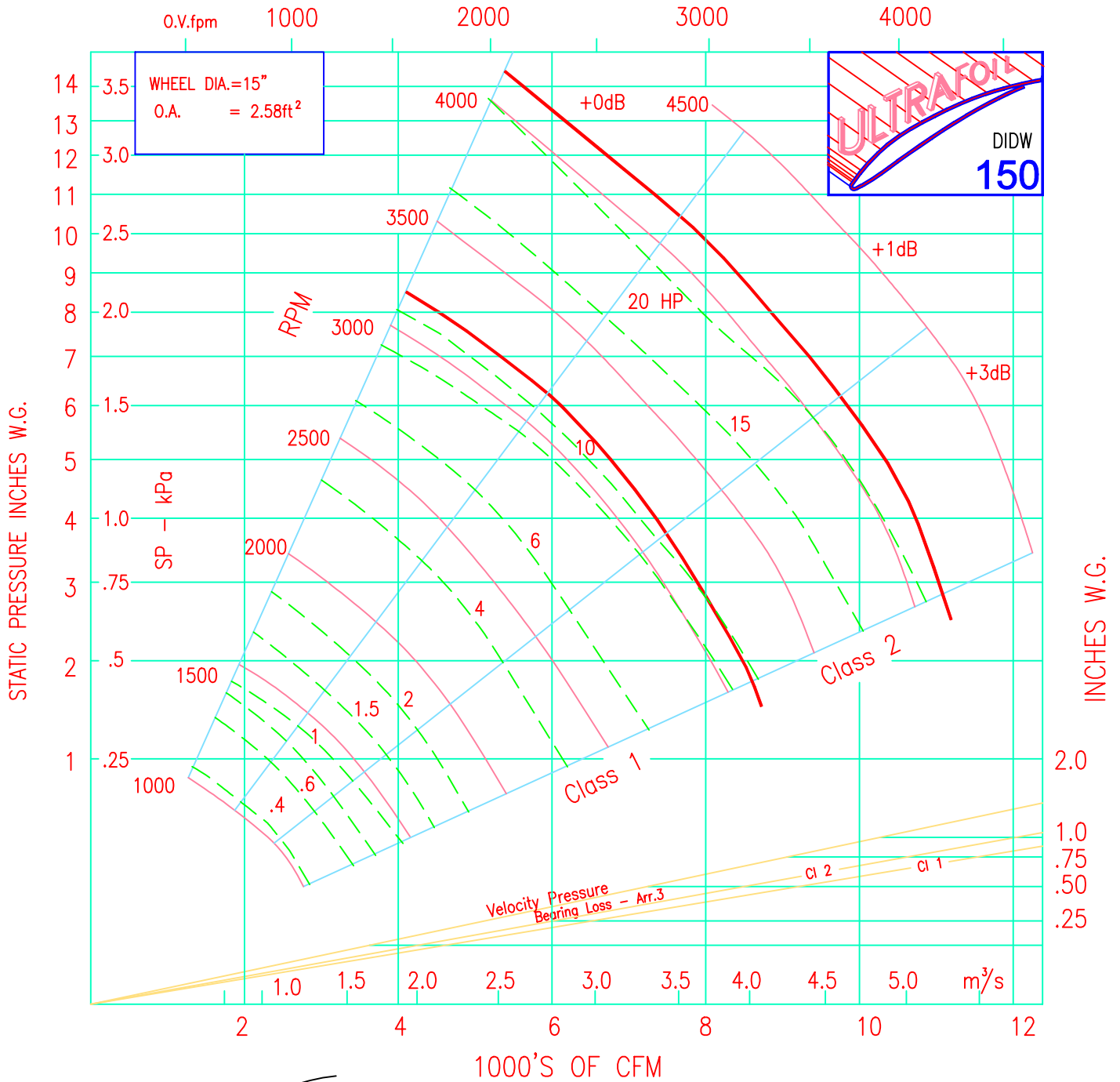




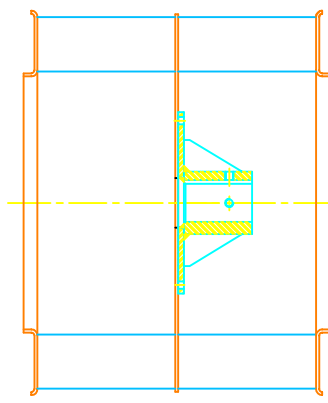
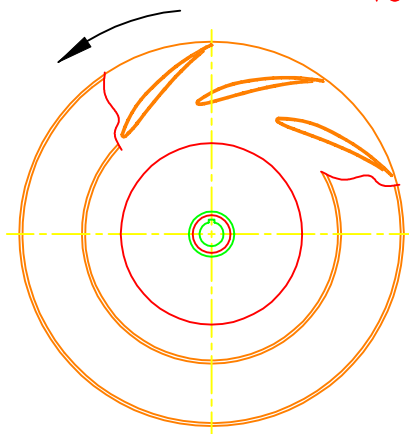
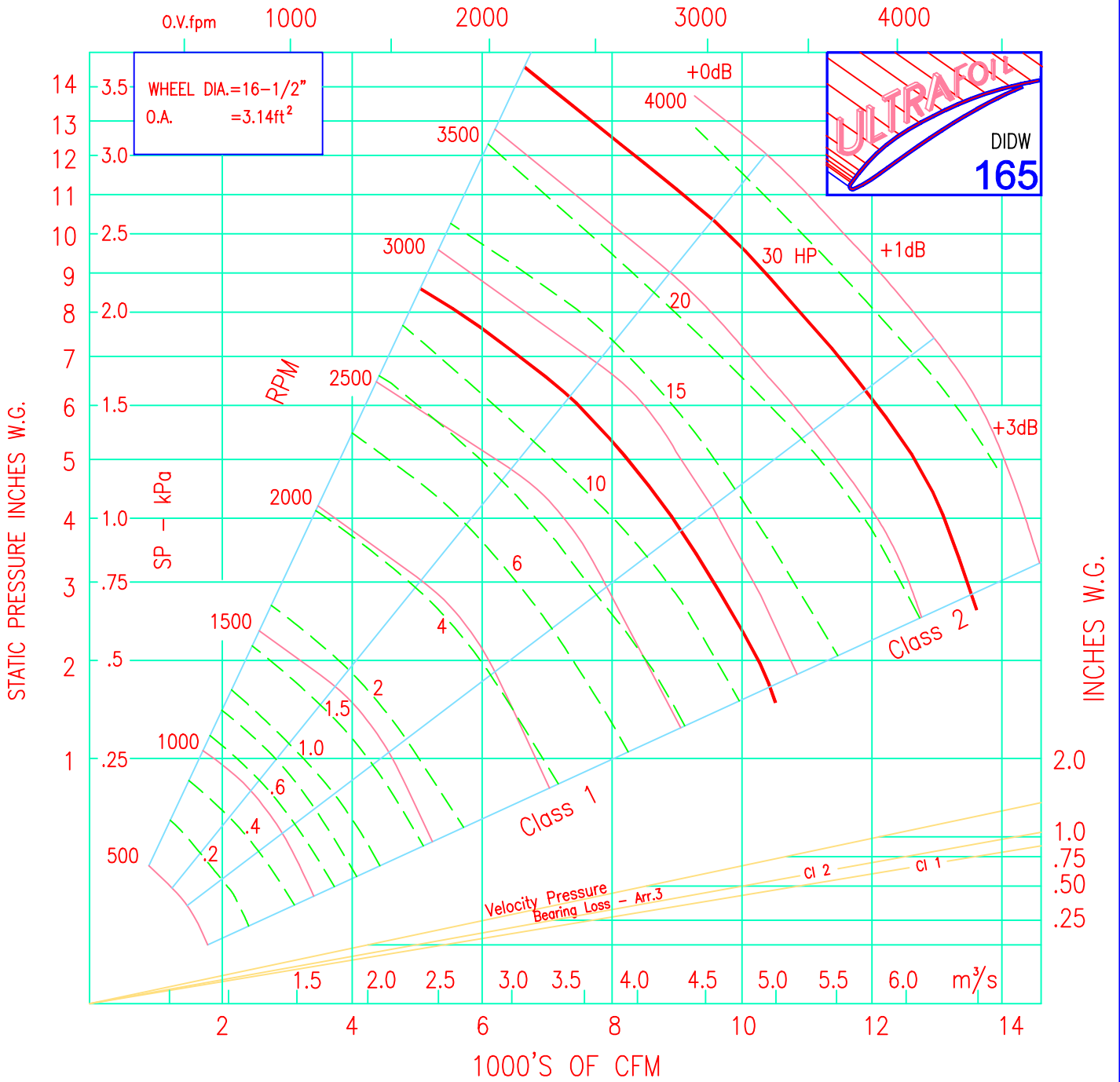
"COUNTER CLOCK WISE" WHEEL SHOWN



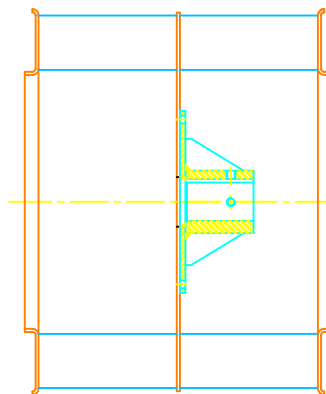
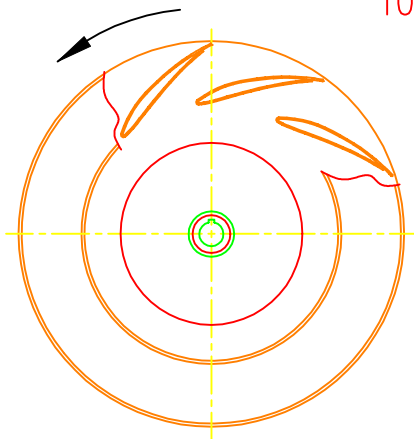
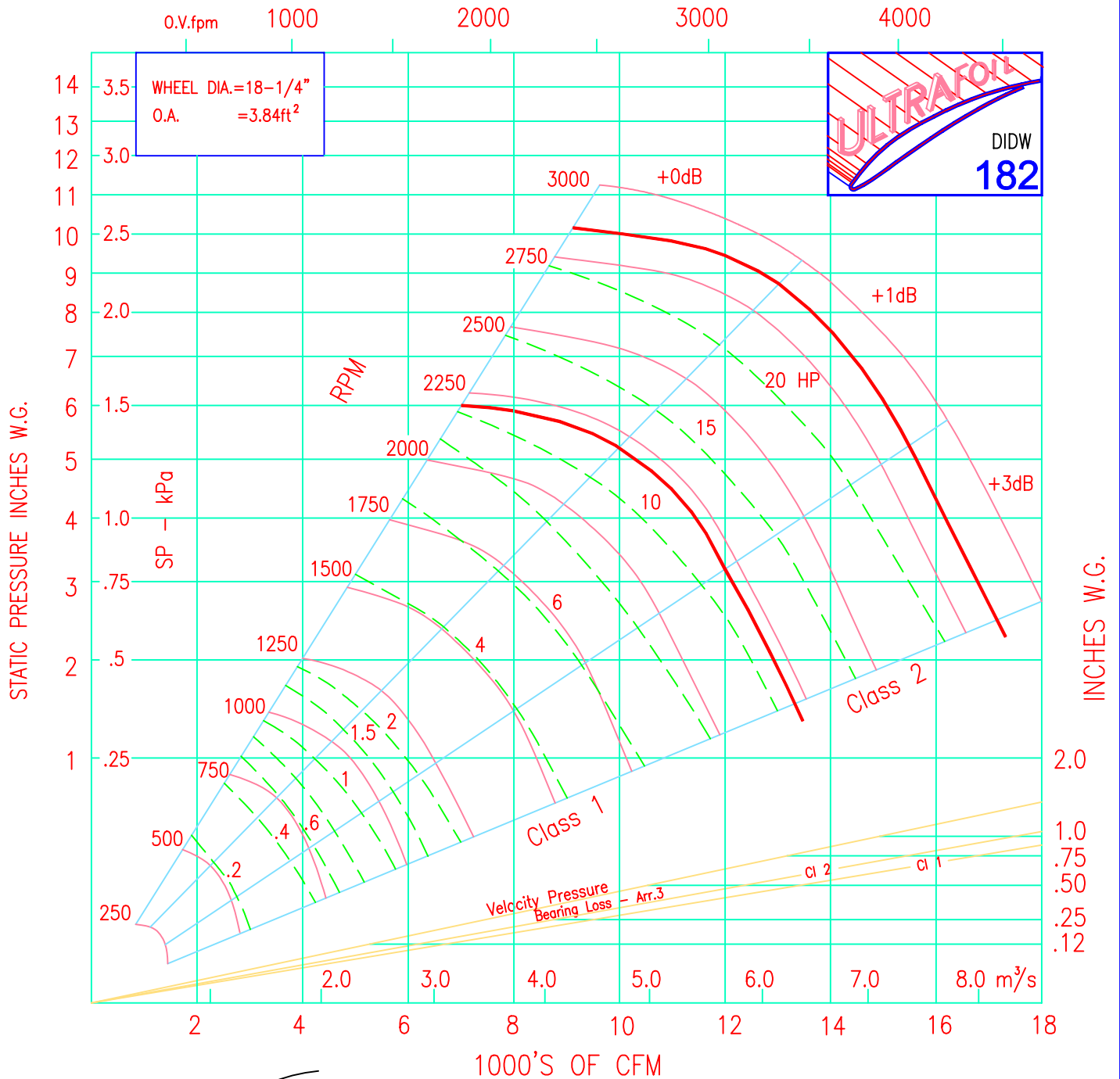
"COUNTER CLOCK WISE" WHEEL SHOWN



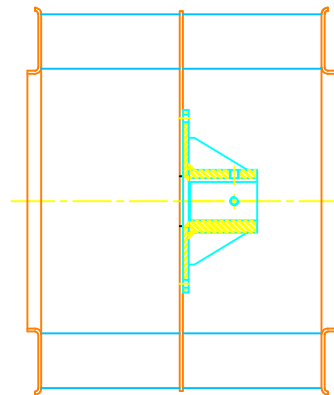
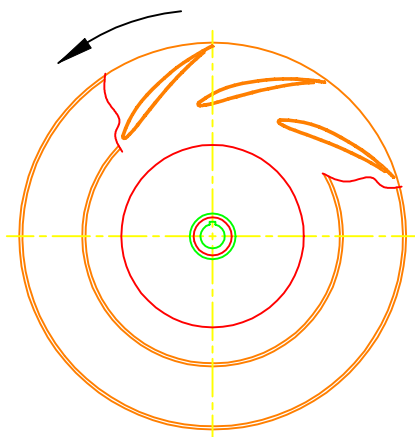
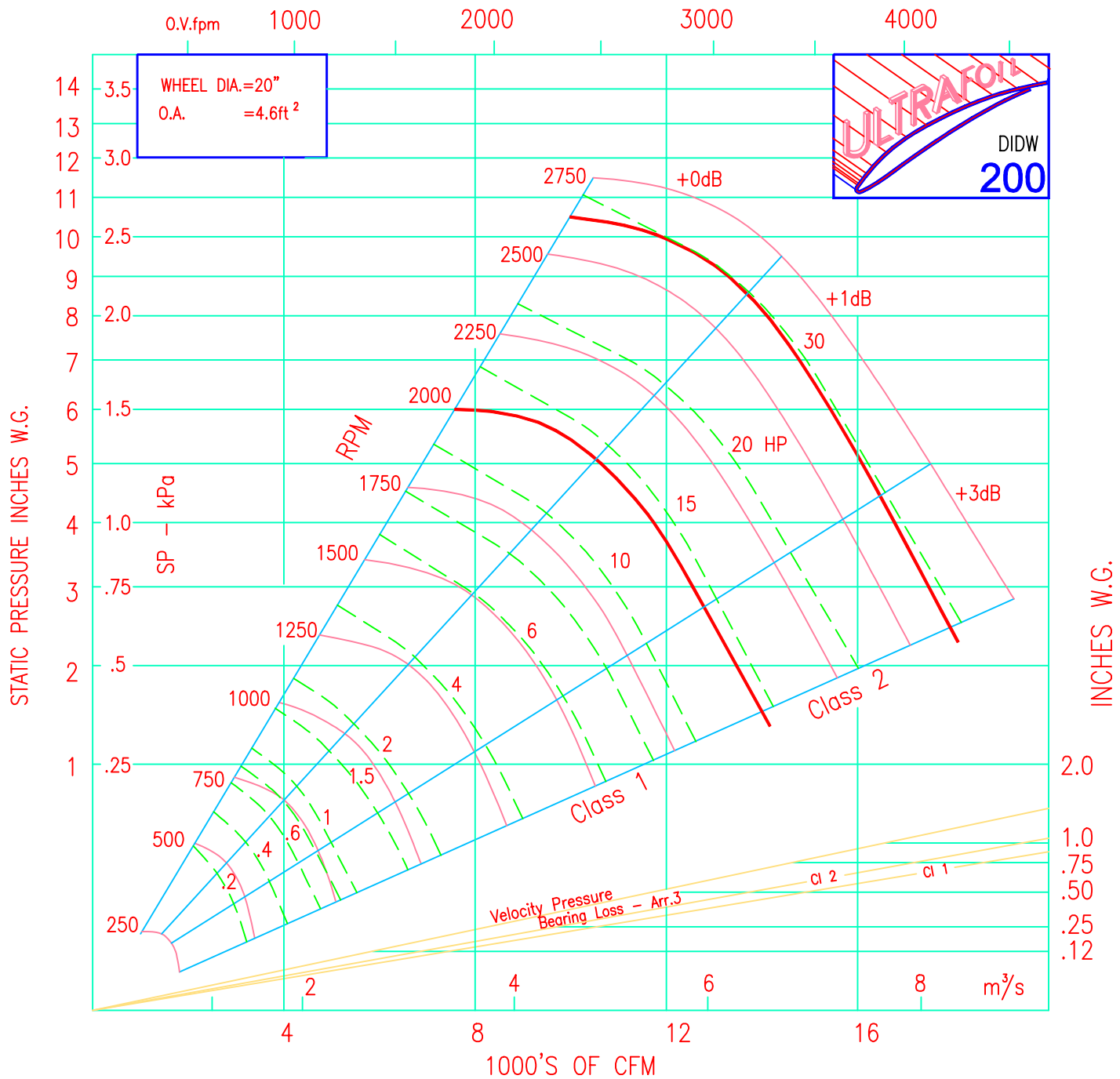
"COUNTER CLOCK WISE" WHEEL SHOWN



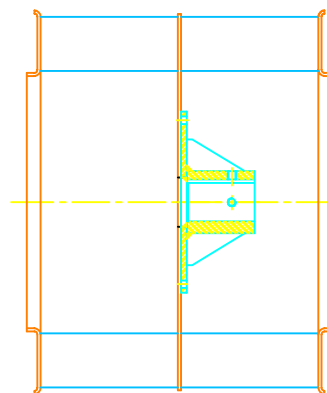
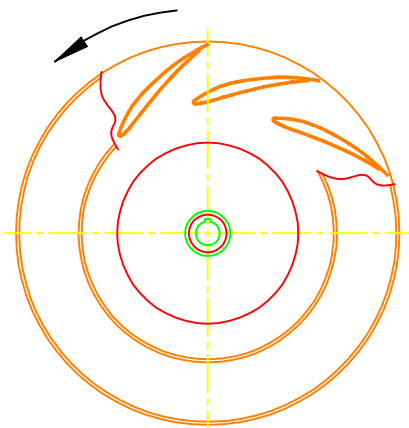
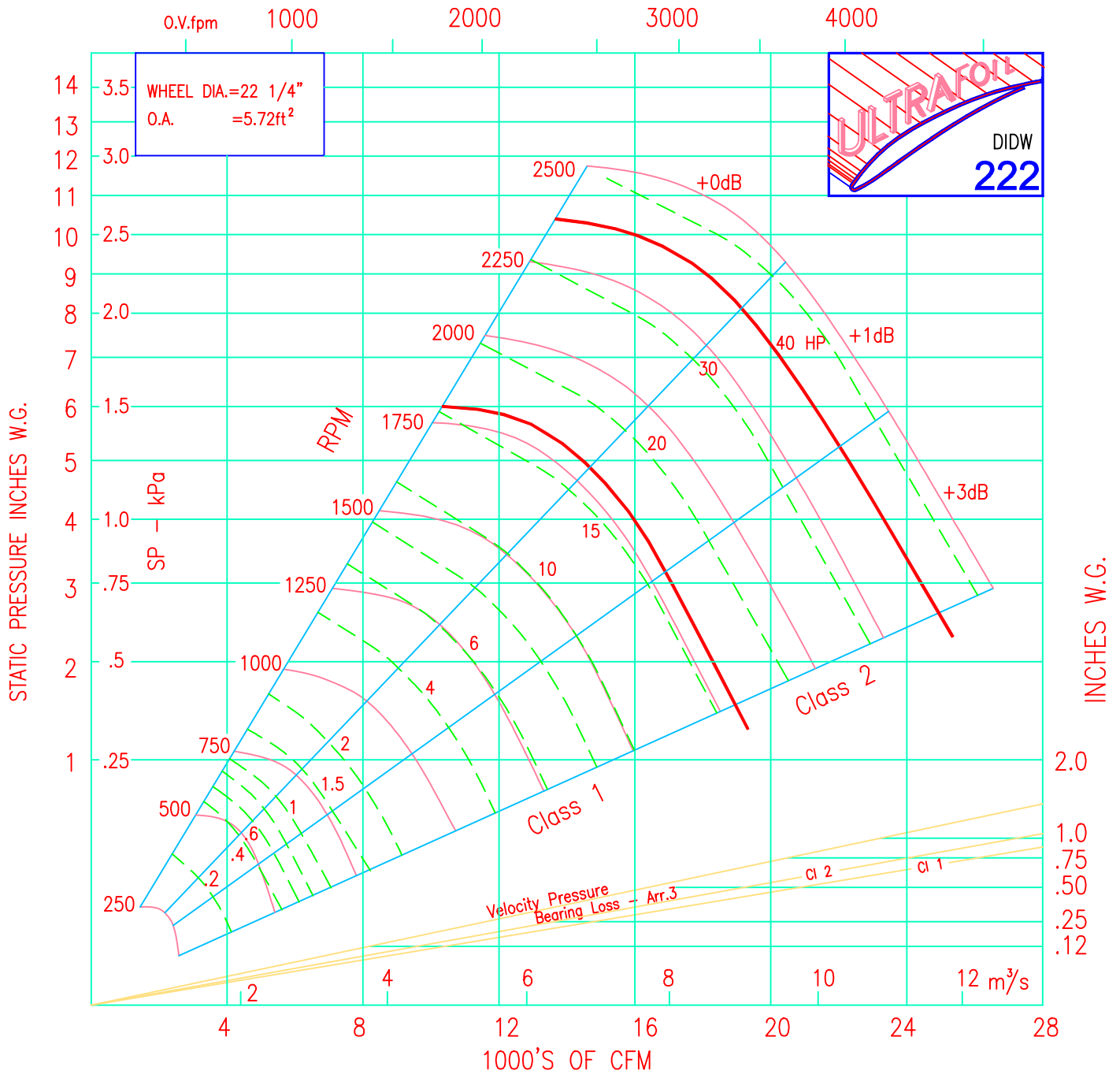
"COUNTER CLOCK WISE" WHEEL SHOWN



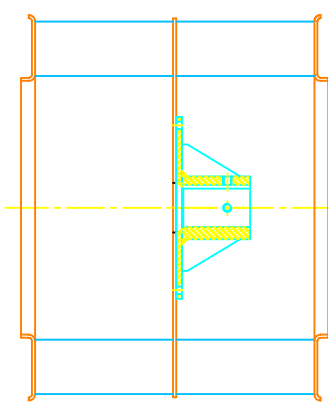
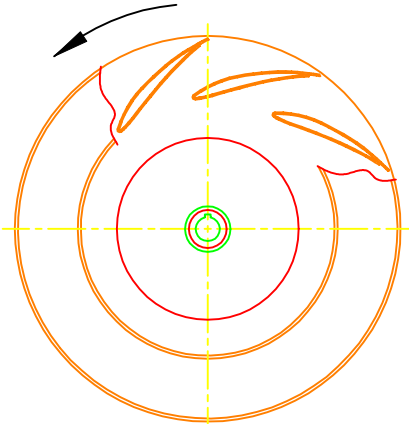
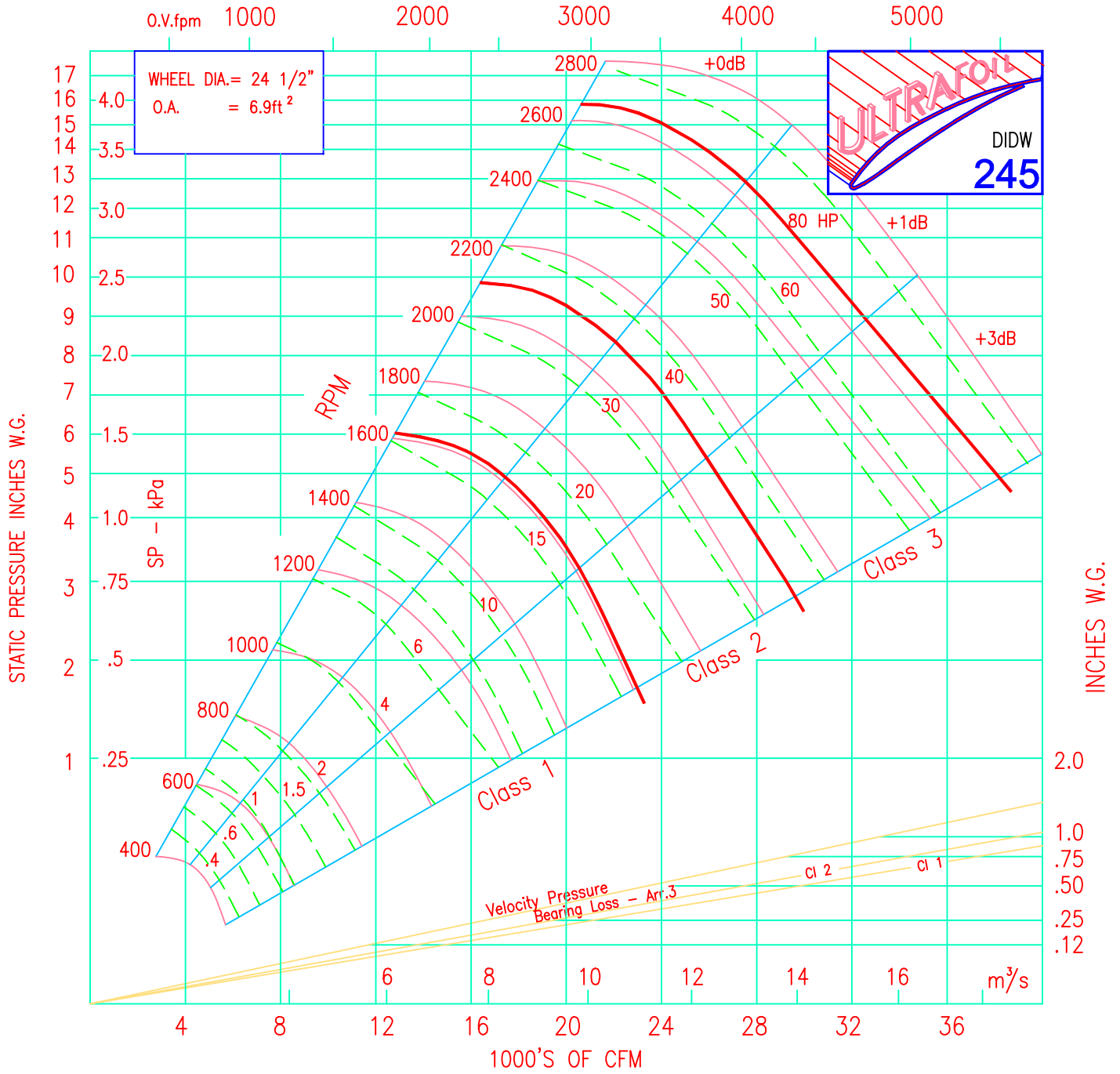
"COUNTER CLOCK WISE" WHEEL SHOWN



"COUNTER CLOCK WISE" WHEEL SHOWN

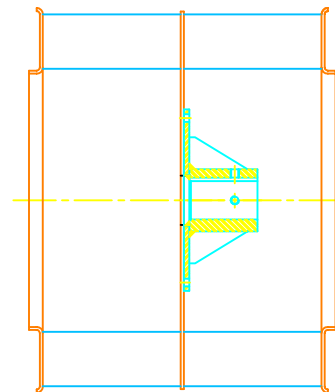
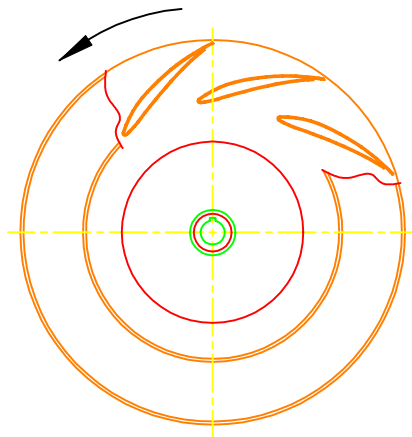
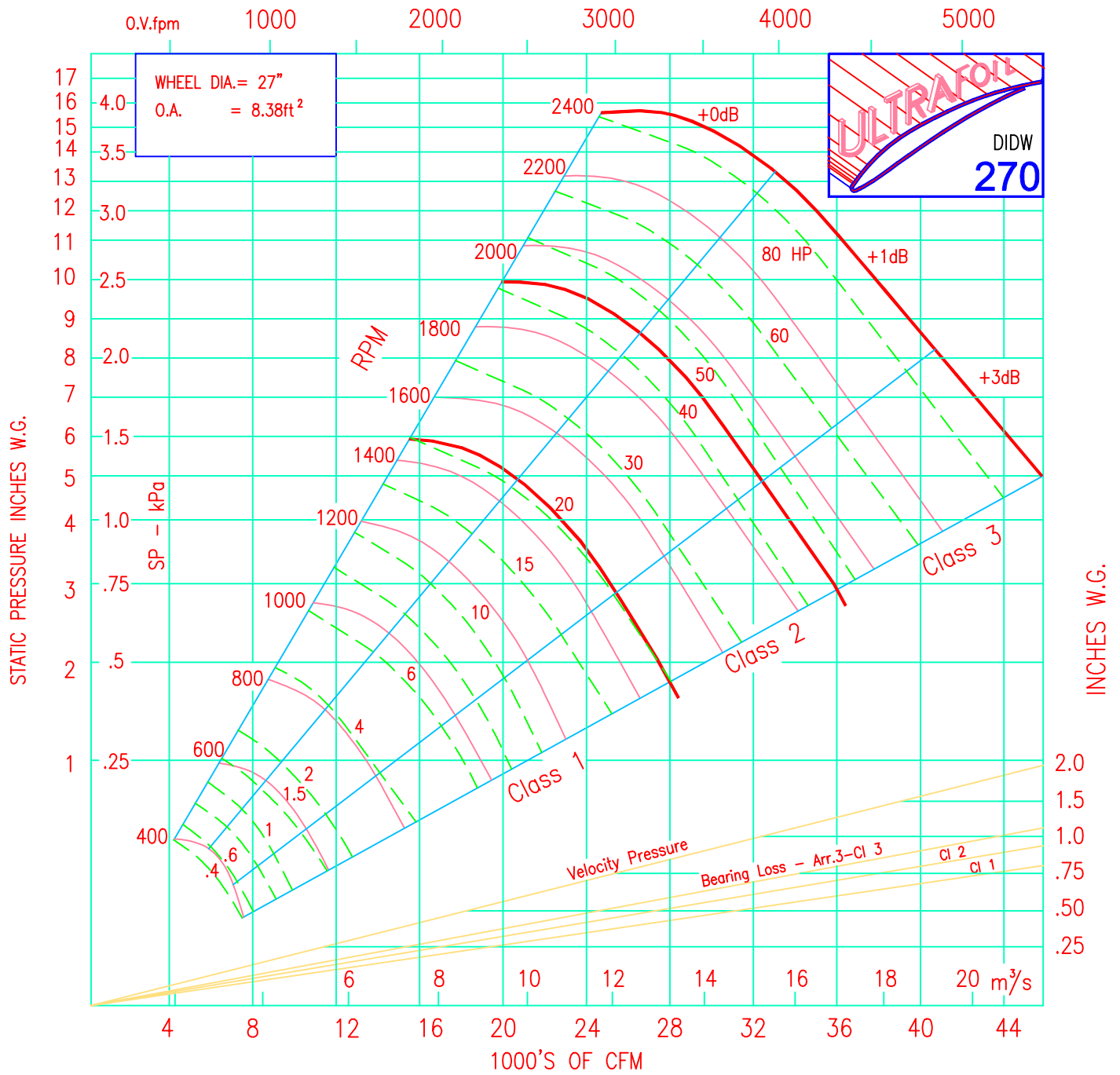


"COUNTER CLOCK WISE" WHEEL SHOWN

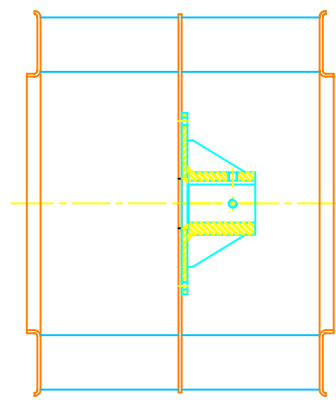
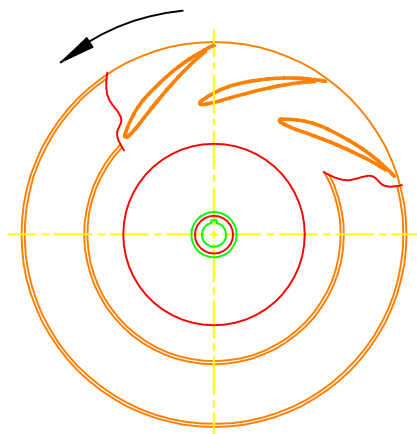
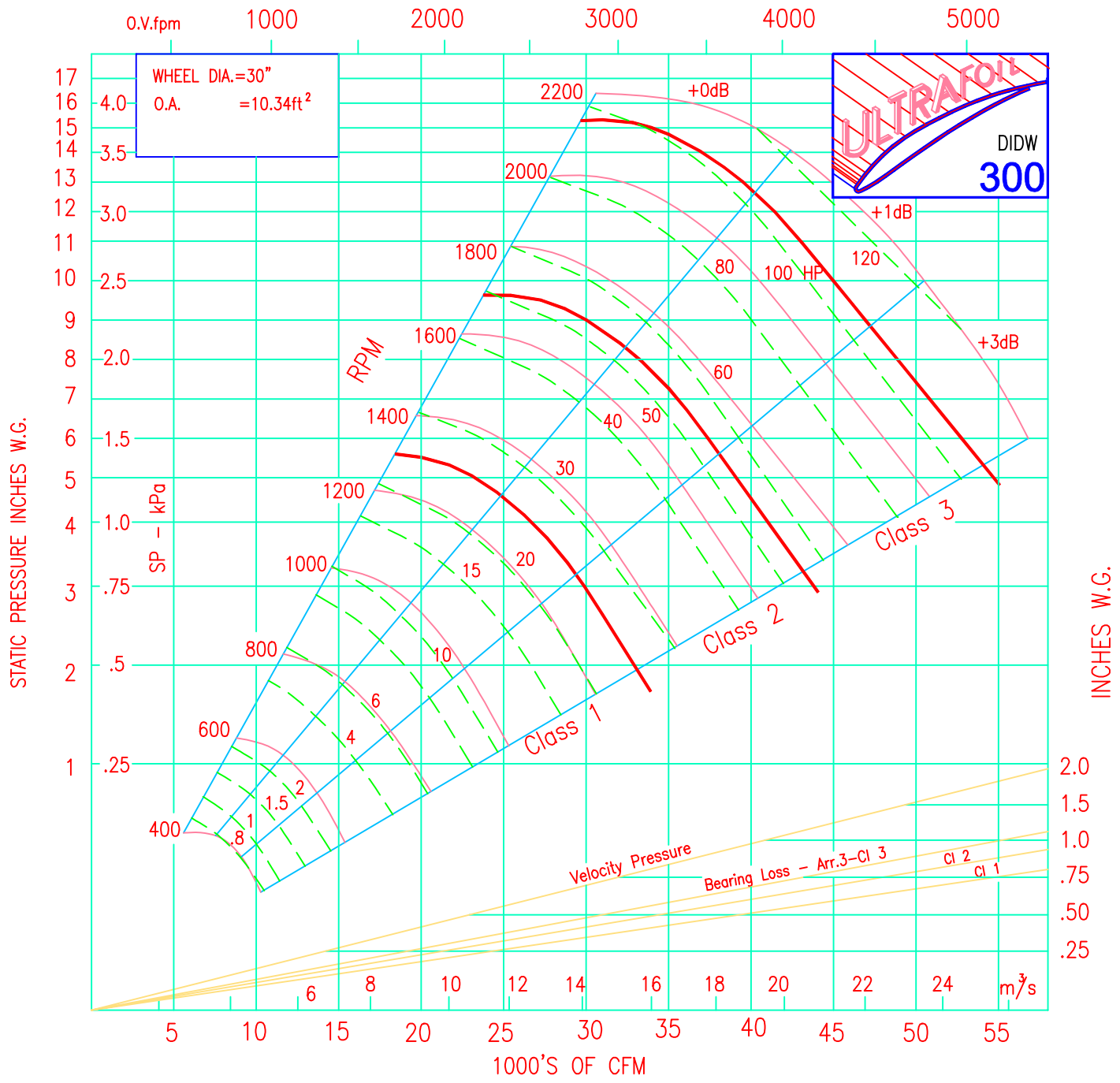


"COUNTER CLOCK WISE" WHEEL SHOWN

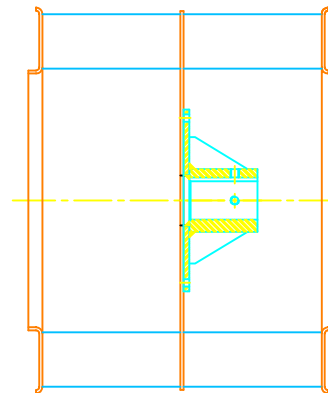
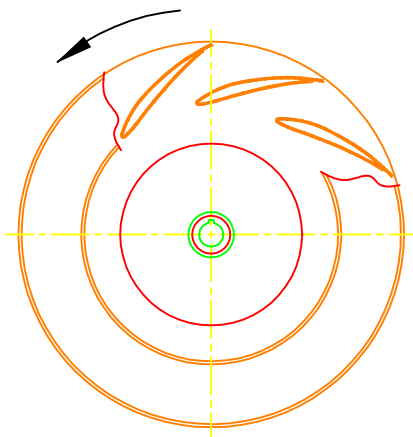
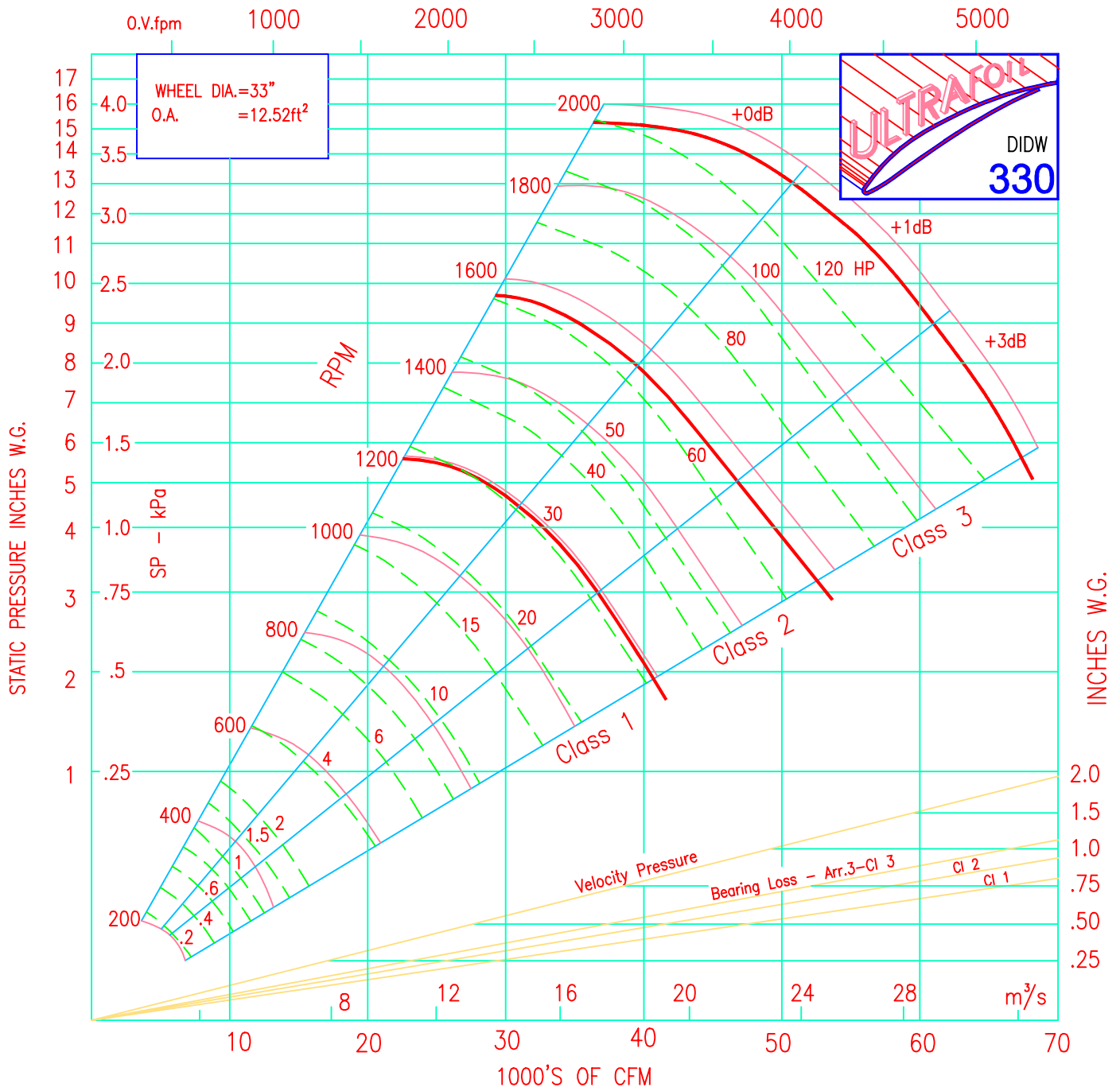




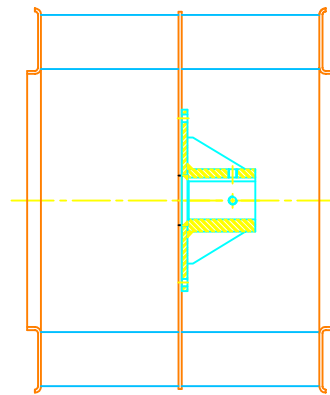
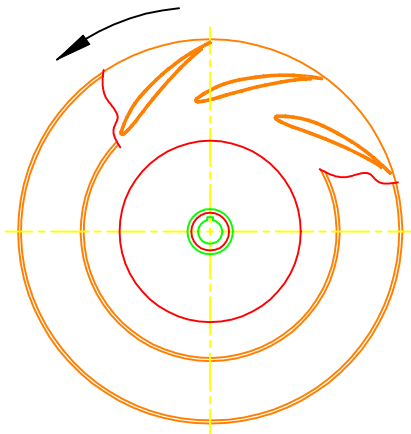
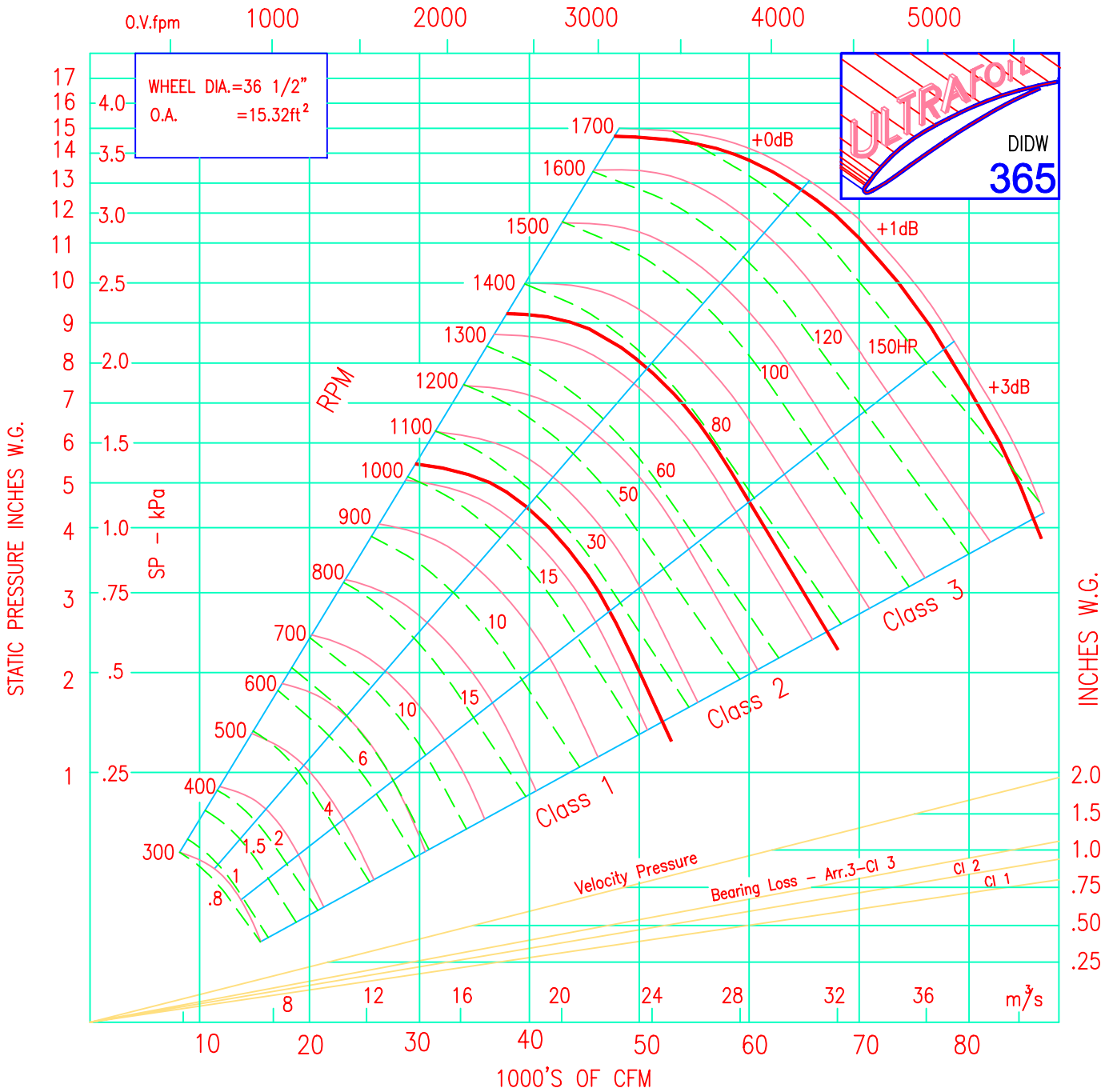
"COUNTER CLOCK WISE" WHEEL SHOWN



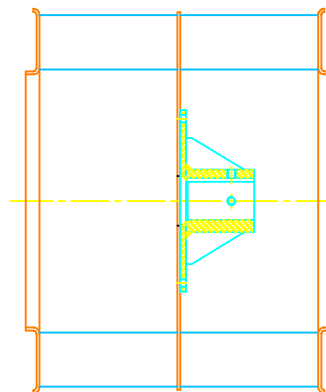
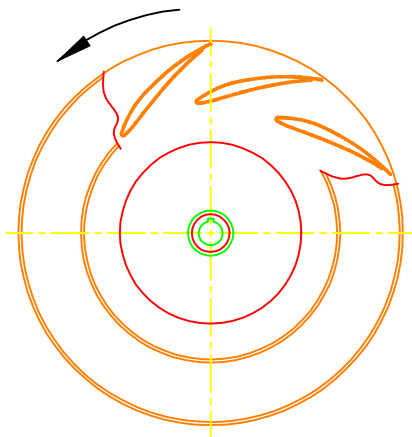
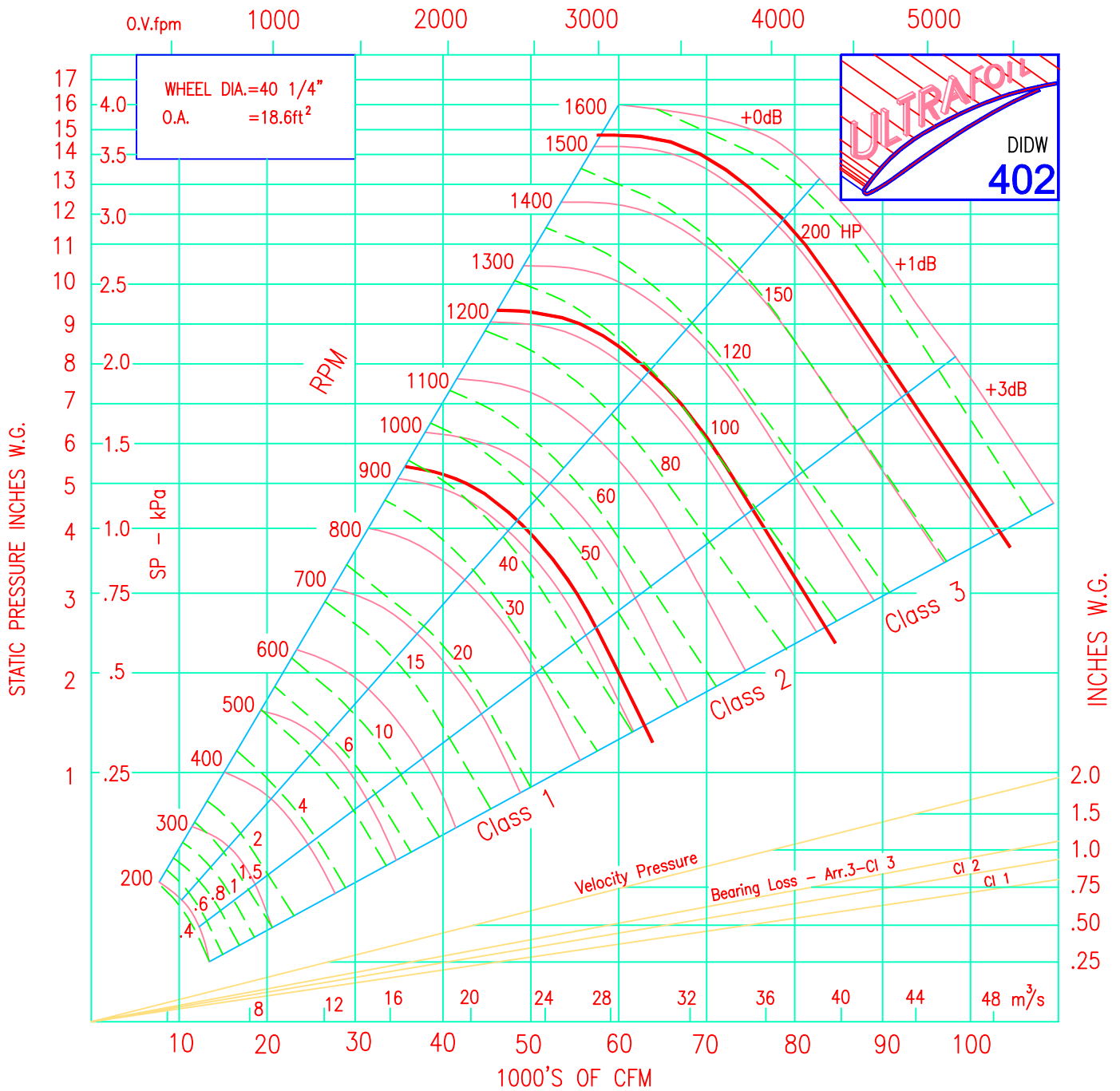
"COUNTER CLOCK WISE" WHEEL SHOWN



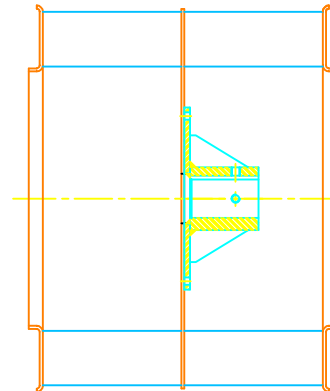
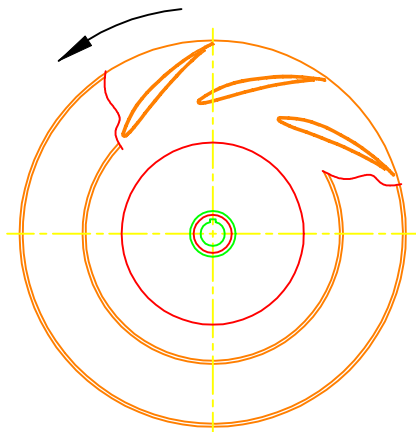
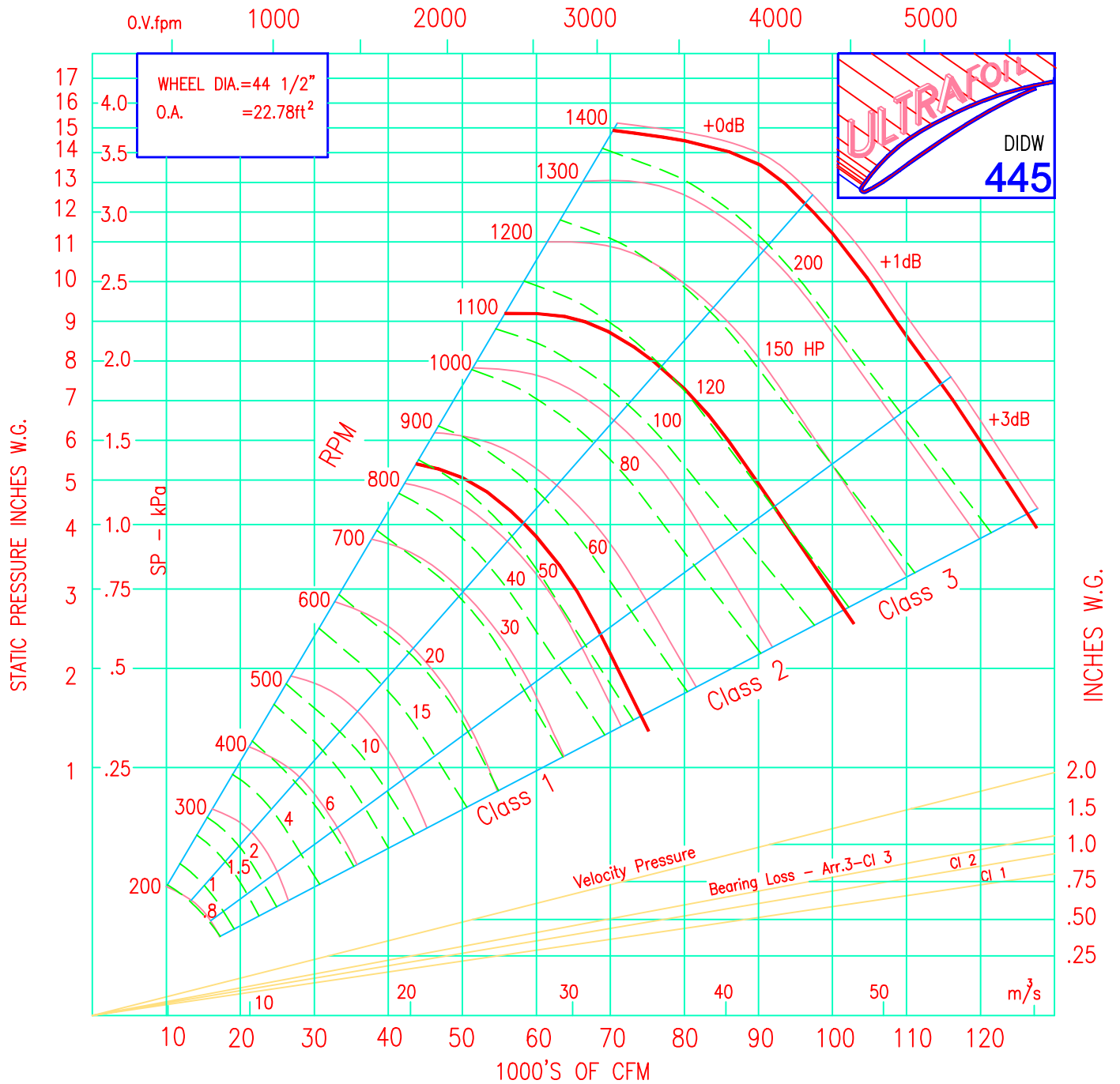
"COUNTER CLOCK WISE" WHEEL SHOWN



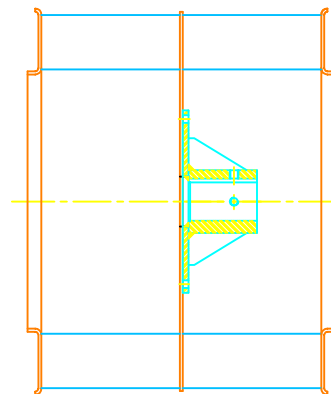
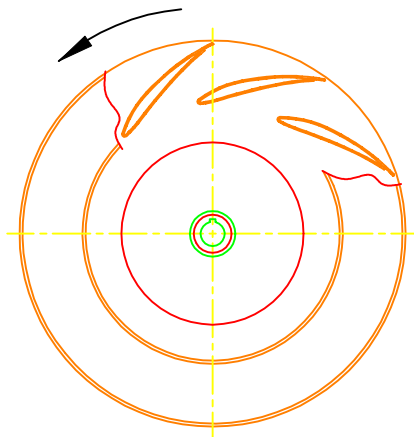
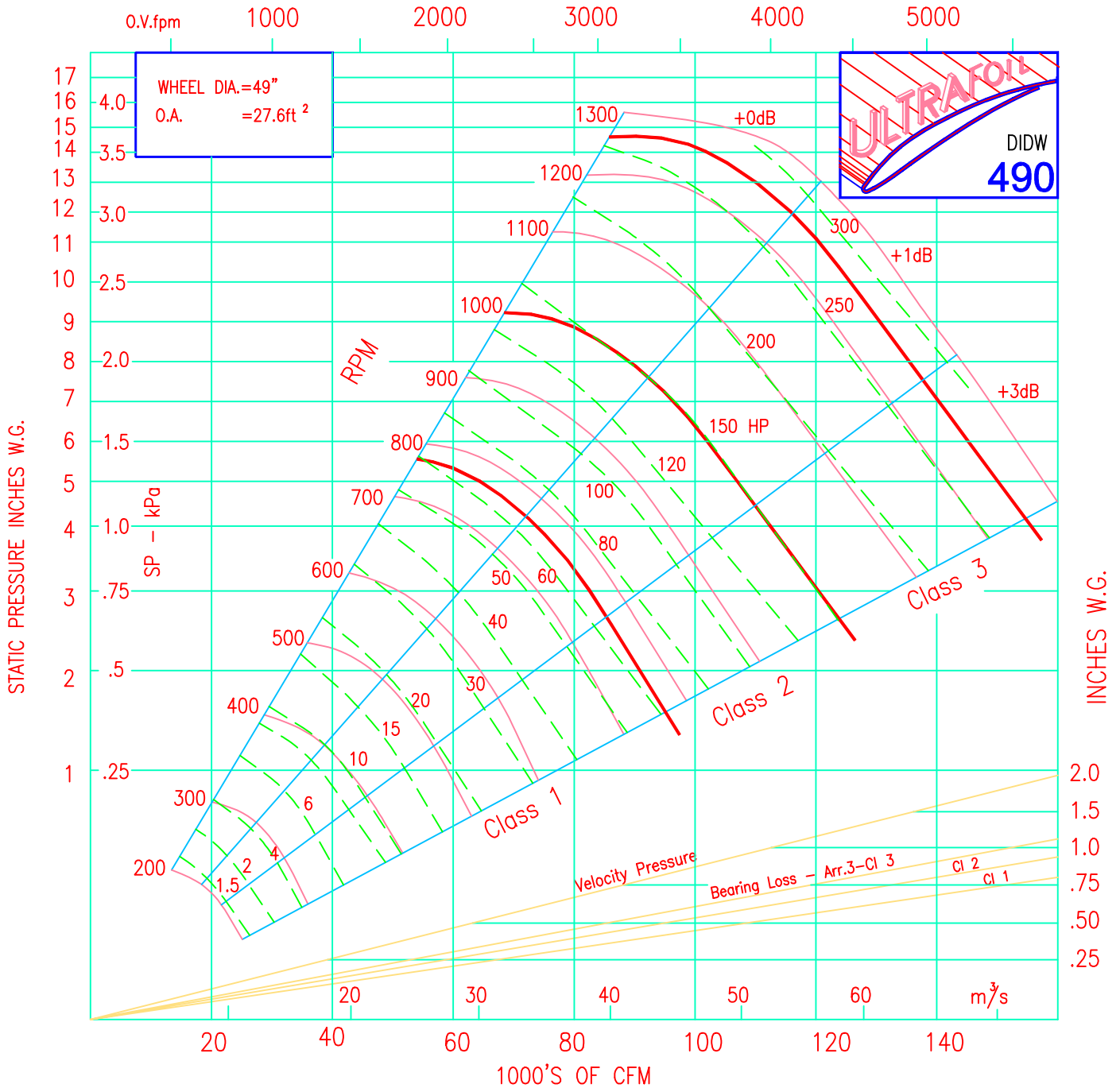
"COUNTER CLOCK WISE" WHEEL SHOWN



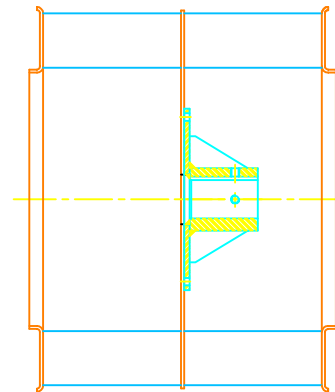
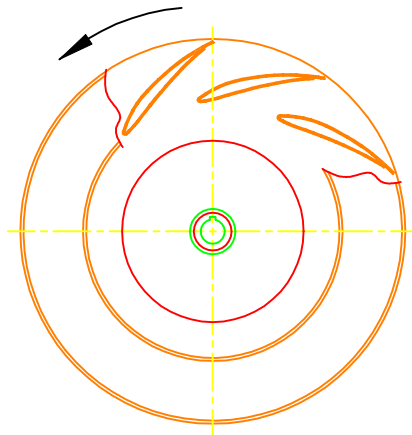
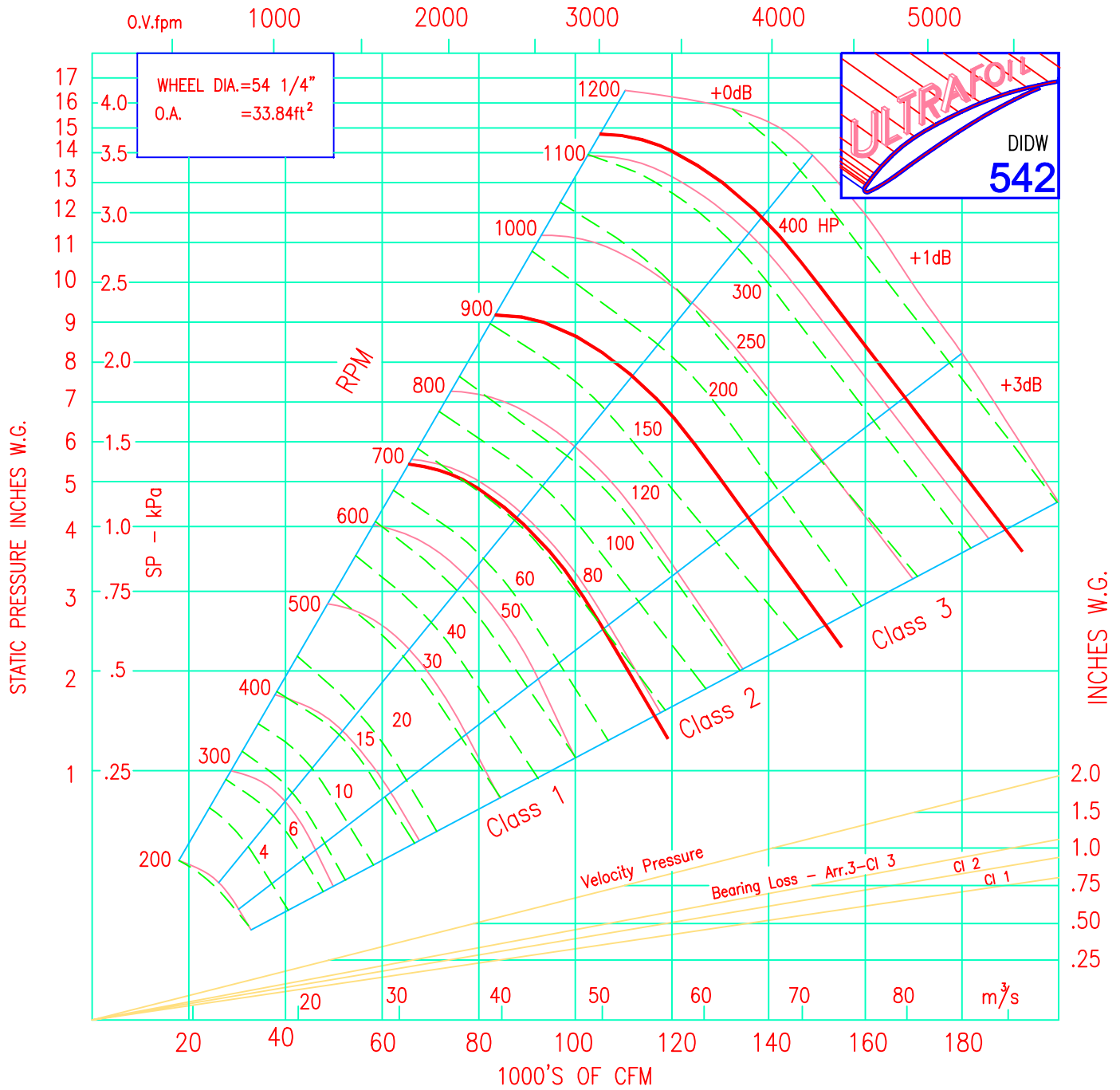
"COUNTER CLOCK WISE" WHEEL SHOWN



"COUNTER CLOCK WISE" WHEEL SHOWN

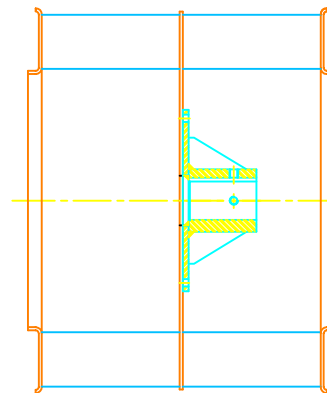
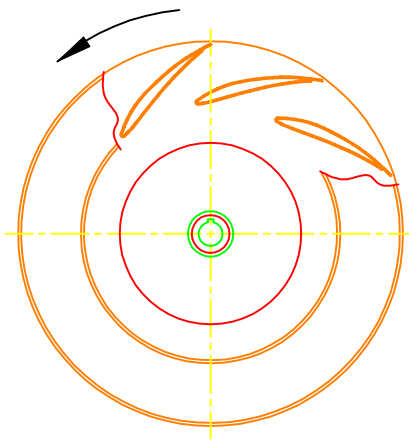
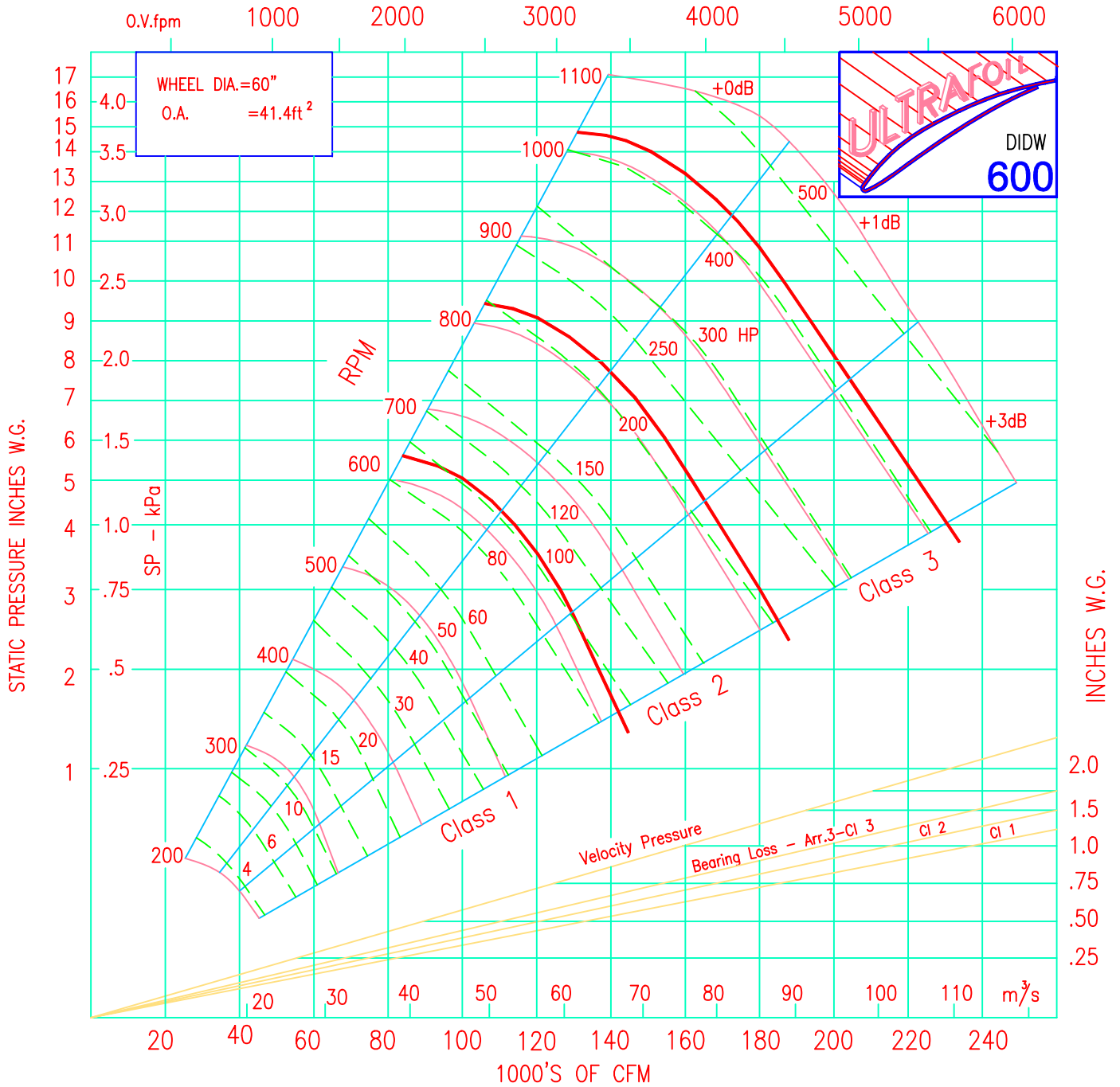


"COUNTER CLOCK WISE" WHEEL SHOWN

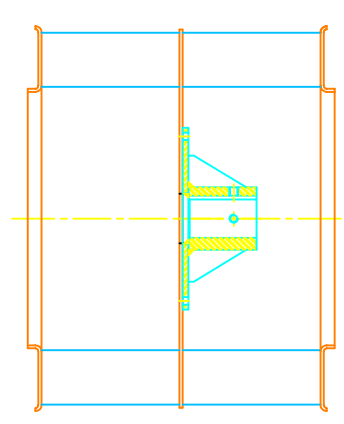
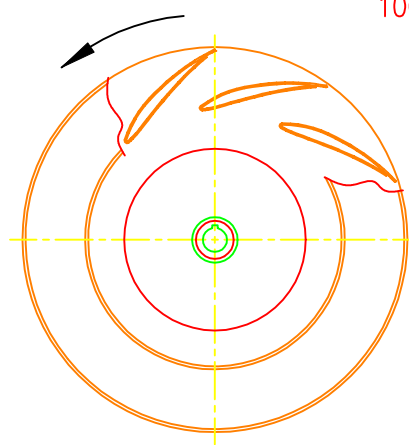
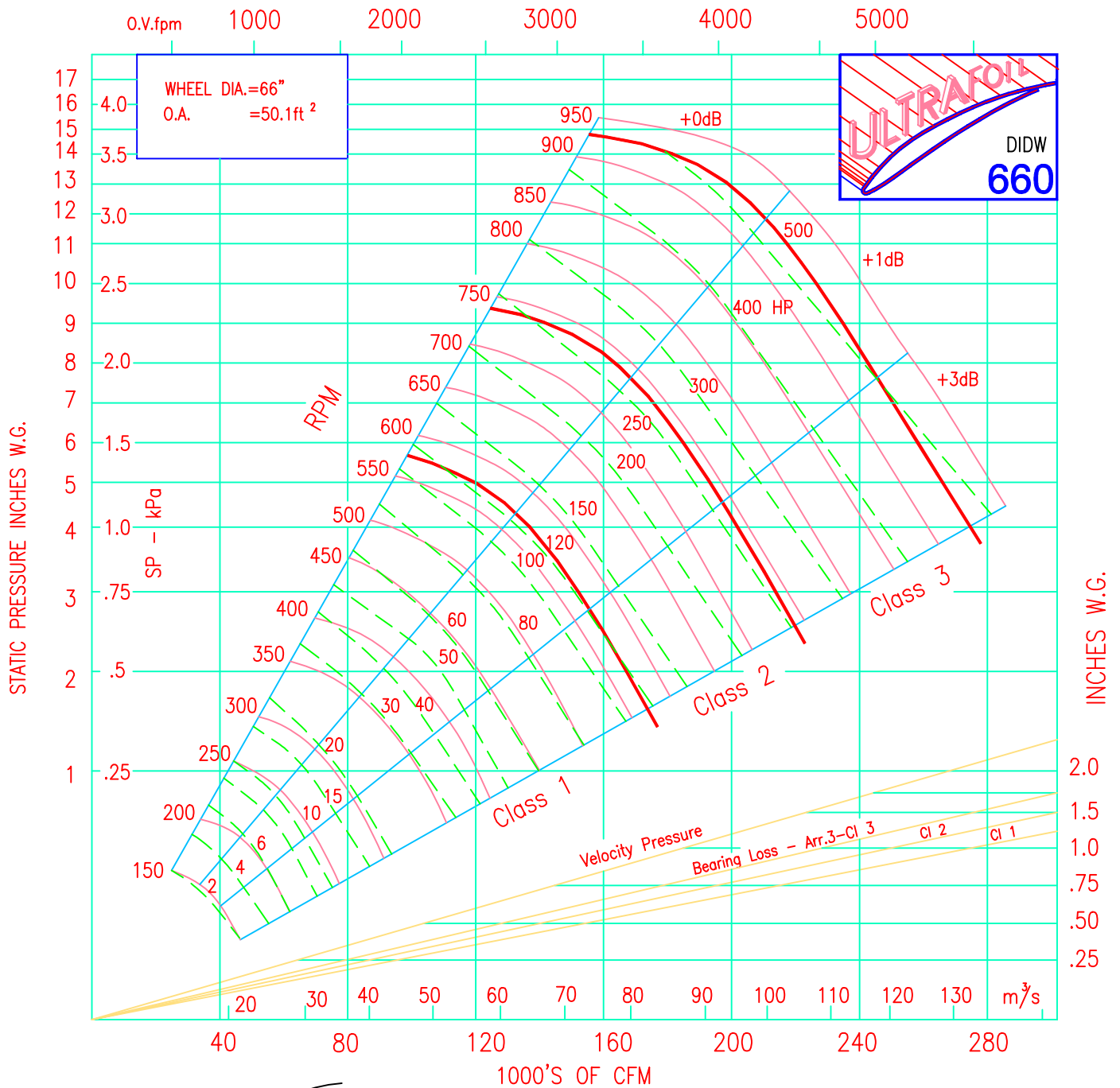


"COUNTER CLOCK WISE" WHEEL SHOWN

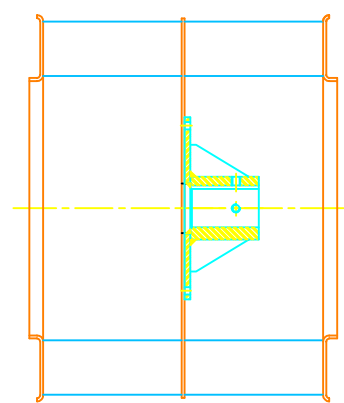
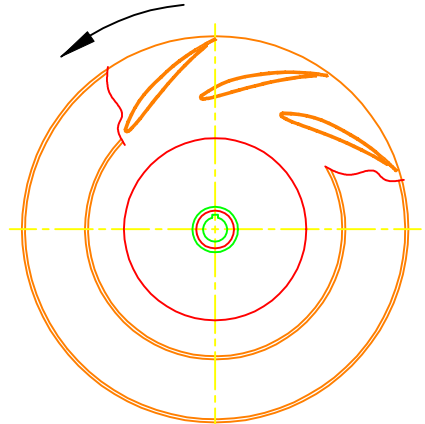
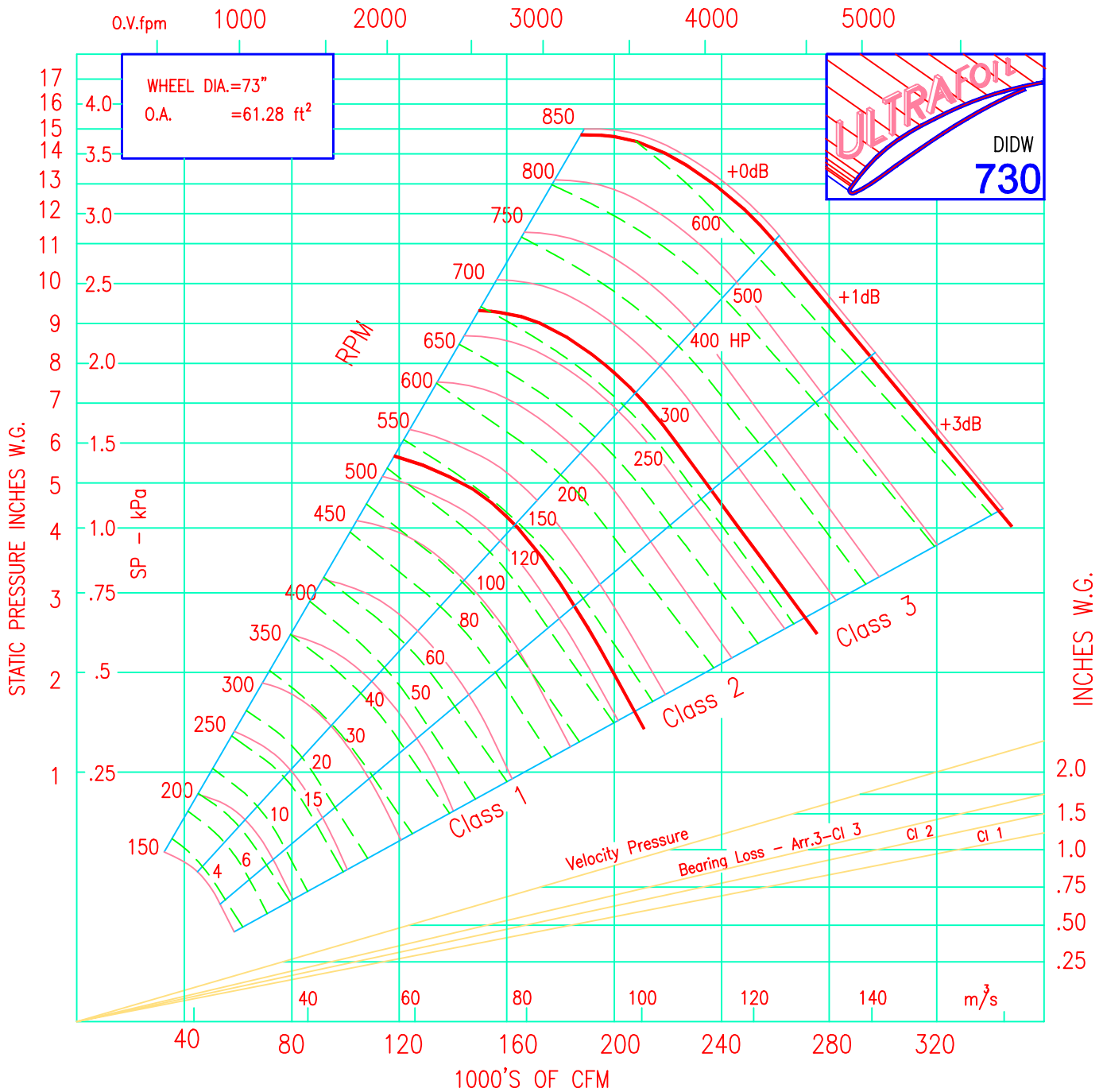




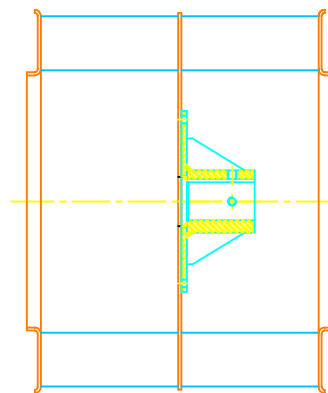
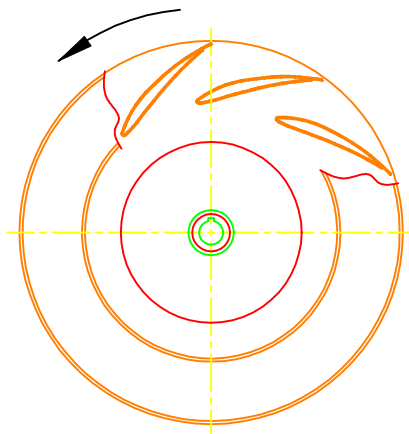
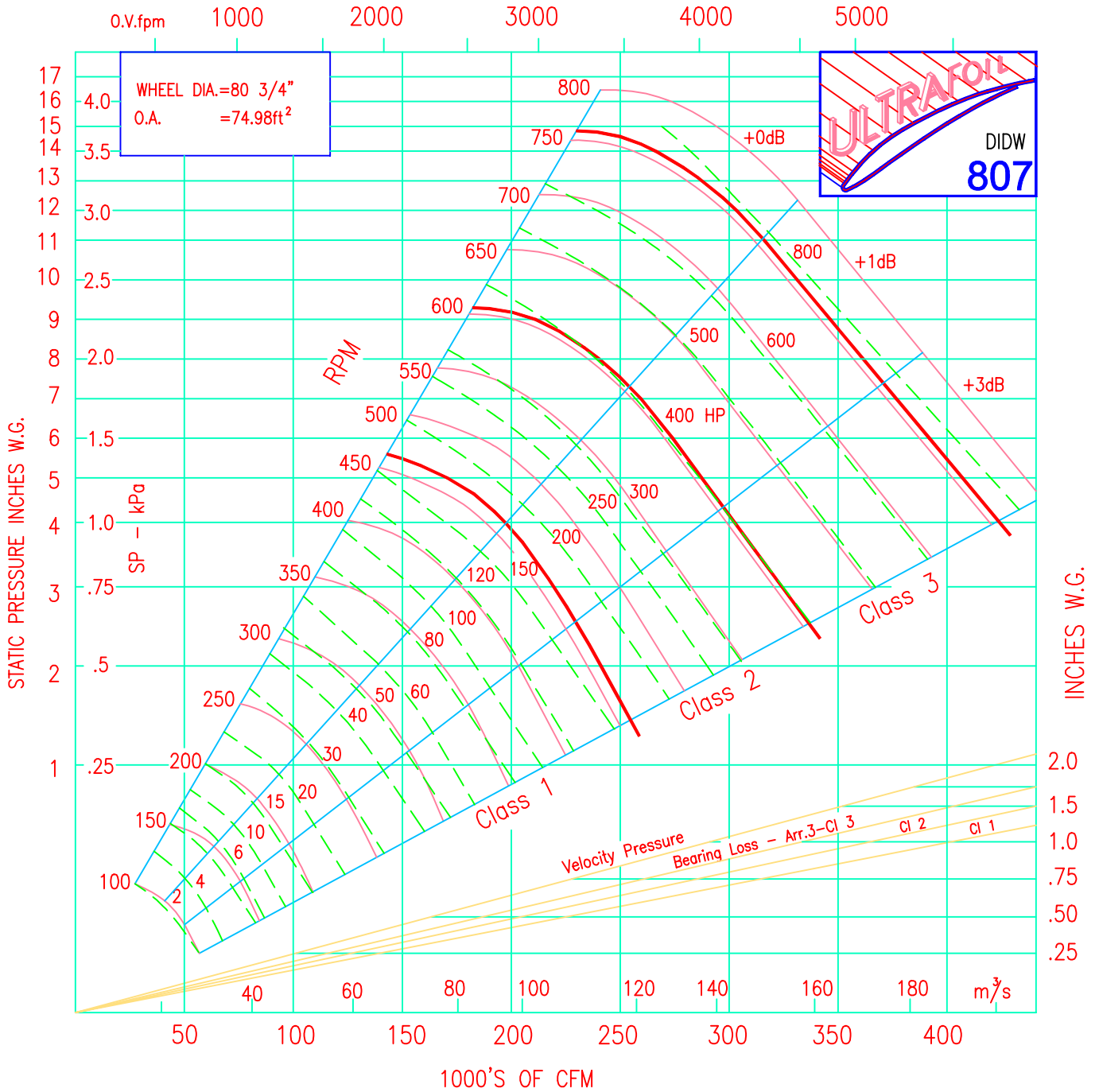
"COUNTER CLOCK WISE" WHEEL SHOWN



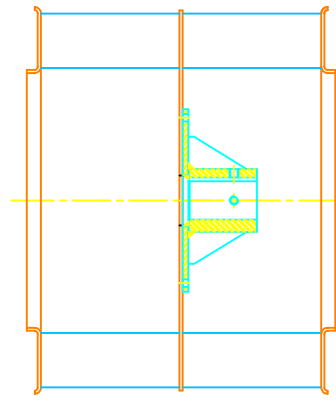
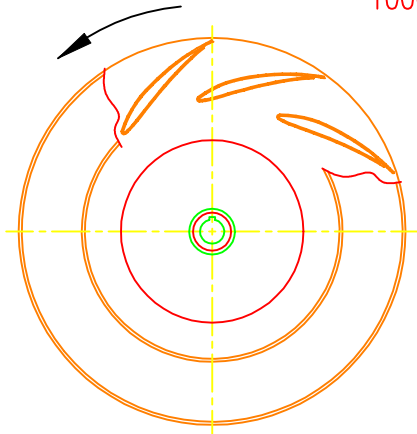
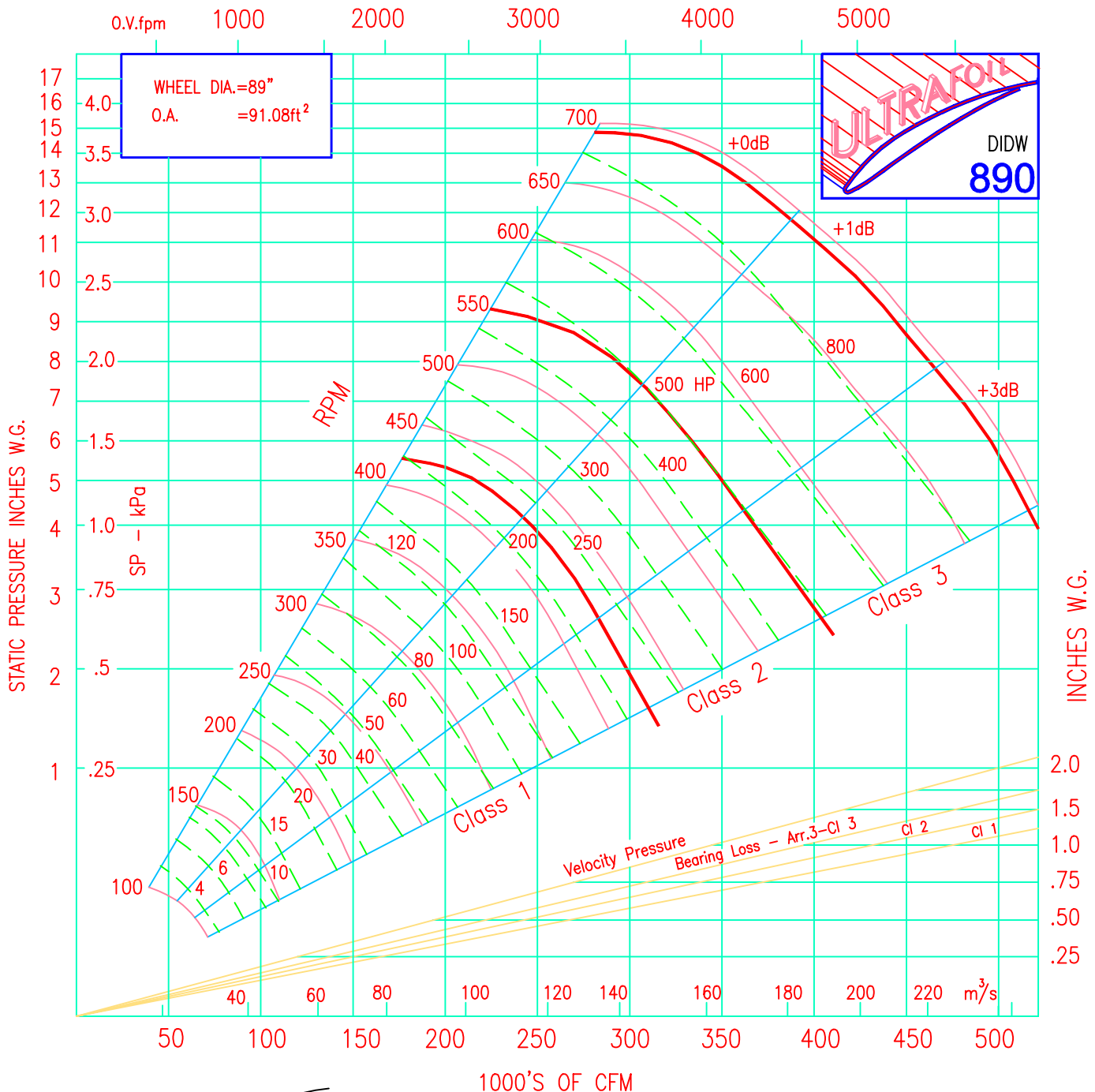
"COUNTER CLOCK WISE" WHEEL SHOWN



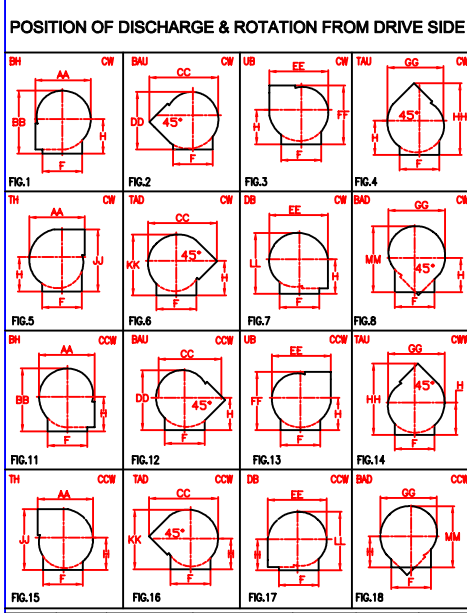
"COUNTER CLOCK WISE" WHEEL SHOWN



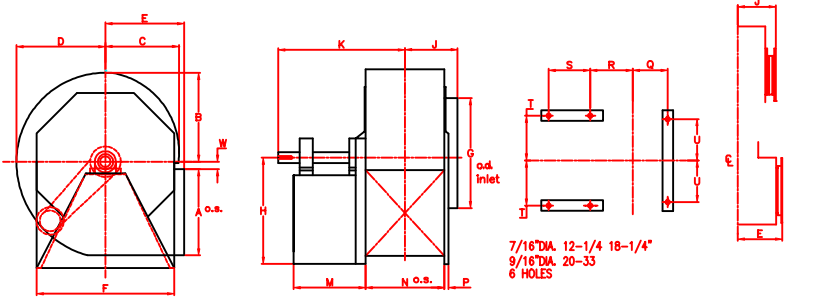
"COUNTER CLOCK WISE" WHEEL SHOWN



"COUNTER CLOCK WISE" WHEEL SHOWN



MOTOR POSITION "L" SHOWN  
"R" OPPOSITE HAND



ADJUSTABLE HOUSING ARRANGEMENT NO 1 & 9  
SISW CLASS I & II ADJUSTABLE HOUSING

FAN SIZE	WHEEL DIA. A&B	SHAFT AT BEARINGS		KEYWAY		A	B	C	D	E	E' (FIG.NO.)			F	G	H	J	J'	K		L	
		CL.I	CL.II	CL.I	CL.II						I-5	6 & 7 16&17	8 18						CL.I	CL.II	CL.I	CL.II
18 1/4	18 1/4	1 3/16	1/4x1/8	18 23/32	14	11 5/8	16 11/16	13 9/32	13 25/32	21 9/32	23 21/32	22 3/4	18 5/8	19 1/2	9 15/16	11 7/16			24 1/2		4	
20	20	1 7/16	3/8x3/16	20 23/32	15 11/16	13 1/16	18 11/16	14 23/32	15 7/32	23 15/32	26 3/32	25 1/8	20 1/4	21 1/2	11 3/16	13 3/16			27		4 1/2	
22 1/4	22 1/4	1 7/16	3/8x3/16	23 1/32	17 1/8	14 1/4	20 7/16	15 29/32	16 13/32	25 5/32	28 5/32	27 1/2	22 1/16	23 1/4	11 15/16	13 15/16			29		4 1/2	
24 1/2	24 1/2	1 7/16	3/8x3/16	25 3/8	19	15 13/16	22 11/16	17 7/16	17 15/16	27 9/16	30 13/16	30 1/2	24 1/2	25 5/8	12 15/16	14 15/16			32		4 1/2	
27	27	1 11/16	3/8x3/16	28 1/32	20 7/8	17 3/8	24 7/8	19	19 1/2	29 7/8	33 5/8	33 5/8	27	28	13 29/32	14 29/32			35		4 1/2	
30	30	1 11/16	3/8x3/16	31 1/8	22 15/16	19 1/16	27 3/8	20 11/16	21 3/16	32 9/16	36 11/16	37 1/8	29 11/16	30 5/8	15	17 1/2			38 1/2		5 1/4	
33	33	1 15/16	1/2x1/4	34 3/16	25 7/16	21 1/8	30 5/16	22 3/4	23 1/4	35 3/4	40 3/8	41 1/8	32 7/8	33 7/8	16 5/16	18 13/16			42		5 1/4	

FAN SIZE	WHEEL DIA. A&B	M	N	P	Q	R	S	T	U	W	AA	BB	CC	DD	EE	FF	GG	HH	JJ	KK	LL	MM
20	20	12 15/16	16 1/8	1 1/2	8 15/16	11 1/4	8 1/4	11 13/16	10 1/16	1/2	33 3/8	36 9/16	41 1/16	35 00	35 1/2	35 5/8	34	45	38 5/8	40 3/4	39 9/16	46 1/16
22 1/4	22 1/4	14 7/16	17 5/8	2	9 15/16	12	9 3/4	12 3/4	11 1/4	9/16	36 5/16	40 5/16	44 7/8	38 3/4	38 13/16	39 1/16	37 3/8	49 1/2	42	45	43 5/8	50 1/2
24 1/2	24 1/2	16 7/16	19 5/8	2	10 15/16	13	11 3/4	14 1/4	12 3/4	9/16	40 1/16	44 1/2	49 1/2	42 3/4	43	43	41 1/4	54 1/2	46 3/8	49 5/8	48 3/16	56 1/4
27	27	18 5/16	21 9/16	2	11 29/32	14 11/32	12 7/8	15 13/16	14 5/16	19/32	43 7/8	48 13/16	54 3/8	46 7/8	47 1/4	46 13/16	45 7/16	59 11/16	50 7/8	54 7/16	52 13/16	62 1/16
30	30	19 15/16	23 3/4	2 1/2	13 1/4	15 7/16	14 1/2	17 5/16	16 1/16	19/32	48	56 1/2	59 5/8	51 3/8	52	51 5/16	49 7/8	65 1/2	55 3/4	59 3/4	57 15/16	68 7/16
33	33	22 1/2	26 3/8	2 1/2	14 9/16	17	16 13/16	19 5/16	18 1/16	3/4	53 1/16	59 5/8	66 1/8	57 5/16	57 5/8	57	55 3/8	72 7/8	61 3/4	66 9/16	64 9/16	76

ITEM NO	IDENTIFICATION	REQ'D NO.	FAN SIZE	FIG. NO.	WHEEL TYPE	CL.	PERFORMANCE					MOTOR DATA											
							CFM	O.V.	SP	R.P.M.	TEMP.	BHP	ELEV.	H.P.	R.P.M.	CURRENT	FRAME	TYPE					

ITEM NO	MOTOR BASE	DRIVE DATA				MOTOR POS.	VIBRATION BASE TYPE	PADS TYPE	SPECIAL FEATURES
		MOTOR PULLEY	FAN PULLEY	BELTS	CENTER				

**NOTE:**  
DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE

**SPECIAL FEATURES**

A=FLANGED OUTLET  
 1- UNPUNCHED  2- PUNCHED   
 B=FLANGED INLET  
 C=INLET VOLUME CONTROL DWG.  
 D=OUTLET DAMPER  
 E=CLEANOUT DOOR TYPE  
 1-QUICK CLAMP 2-BOLTED  
 3-PLUG  
 F=DRAIN OPENING  
 G=INLET SCREEN  
 H=SPECIAL FINISH, SEE NOTES  
 WHEEL TYPES: A= AIRFOIL BLADE  
 B=BACKWARDLY INCLINED BLADE

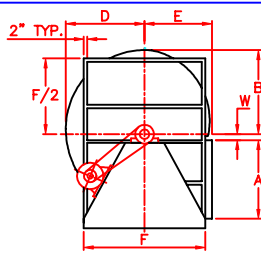
CUSTOMER \_\_\_\_\_ P.O.# \_\_\_\_\_

JOB NAME \_\_\_\_\_

LOCATION \_\_\_\_\_

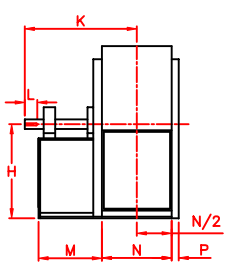

**SERIES 8000 SIZES 18-1/4" TO 33"**  
**ADJUSTABLE HOUSING ARRANGEMENT NO 1 & 9**  
**SISW CLASS I & II**  
**SHELDONS ENGINEERING**  
 www.sheldonsengineering.com  
 sales@sheldonsengineering.com

FURNISHED FOR SALES PURPOSES - DIMENSIONS NOT CERTIFIED BY S.E.	DATE	SUBMITTED BY	SALES OFFICE
DRAWING CERTIFIED BY S.E. FURNISHED FOR APPROVAL - NOT RELEASED FOR PRODUCTION	DATE	ENGINEER	SO#
DRAWING CERTIFIED BY S.E. APPROVAL - NOT REQUIRED-RELEASED FOR PRODUCTION	DATE	ENGINEER	DWG#

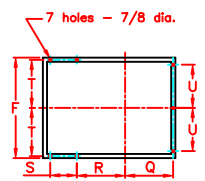


SIDE ELEVATION (drive side)  
BOTTOM HORIZONTAL COUNTER CLOCKWISE

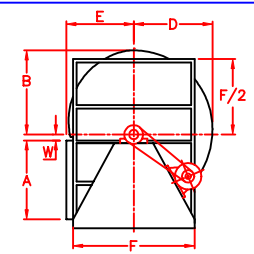
ARRANGEMENT 9 ILLUSTRATED  
ARRANGEMENT 1 SAME AS ILLUSTRATE  
BUT WITHOUT MOTOR



FRONT ELEVATION



FOUNDATION (plan)



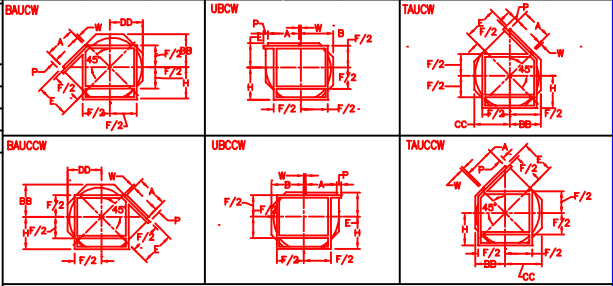
SIDE ELEVATION (drive side)  
BOTTOM HORIZONTAL CLOCKWISE

**DIMENSIONS - INCHES**

FAN SIZE	WHEEL DIA.	SHAFT AT BEARINGS		KEYWAY		A	B	D	E				H						K
		CL.I	CL.II	CL.I	CL.II				BH,BAU,UB,TAU & TH	TAD ONLY	F	BH	BAU	UB	TAU	TH	TAD	CL.I	
36 1/2	36 1/2	1 11/16	1 15/16	3/8x3/16	1/2x1/4	37 7/8	29 7/32	34 3/8	25	33 1/4	46	38	37 1/2	35 1/8	32 1/16	29 3/4	27 1/8	43 1/4	
40 1/4	40 1/4	1 15/16	2 3/16	1/2x1/4	1/2x1/4	42 1/16	30 1/4	36 1/4	27 1/2	35	50 1/4	41 5/8	40	37 15/16	34 1/2	31 9/16	29	46	
44 1/2	44 1/2	2 3/16	2 7/16	1/2x1/4	5/8x5/16	46 5/8	33 3/8	40	30 1/4	38 1/2	55 1/4	45 9/16	44	41 15/16	37 1/2	35	31 1/2	52	
49	49	2 3/16	2 11/16	1/2x1/4	5/8x5/16	51 13/32	36 7/8	44 3/16	33	42	61	50 1/16	48 1/2	45 15/16	41 1/2	38 7/16	35	55 1/2	
54 1/4	54 1/4	2 7/16	2 15/16	5/8x5/16	3/4x3/8	57 1/32	40 5/8	49 1/16	36 1/4	46 1/2	67 1/4	54 7/8	53 1/2	50 3/4	45 1/2	42 5/8	38	60	
FAN SIZE	K	L		M	N	P	Q	R	S	T	U	W	BB	CC	DD	FF	MIN.FAN SHAVE DIA.		
	CL.II	CL.I	CL.II														CL.I	CL.II	
36 1/2		4	5	25	29 1/8	3	16 5/16	19 5/16	19 5/16	21 3/4	18	3/4	24 27/32	35	29 3/4	31 1/4	8.4		
40 1/4	47 1/2	4	5	25 3/4	32	3	17 3/4	22	15 3/16	23 7/8	21 5/8	3/8	27 7/16	38 5/8	32 13/16	32 1/2	10	12	
44 1/2	54	5	7	29 3/16	35 1/4	3	19 3/8	23 5/8	18 5/8	26 3/8	24 3/16	7/16	30 1/4	42 5/8	36 3/16	35 3/4	12	13	
49	57 1/2	5	8	30 3/4	38 15/16	3	21 1/4	25 1/2	20 3/16	29 1/4	26 5/8	15/32	33 1/2	47 1/8	40	39 7/16	13.6	13.5	
54 1/4	63	5	8	32 3/4	42 7/8	3	23 3/16	27 7/16	22 3/16	32 3/8	30 1/8	11/32	36 7/8	51 15/16	44 1/8	43 9/16	16	15	

ITEM NO	IDENTIFICATION	NO REQ'D	FAN SIZE	DISCH. & ROT.	WHL. TYPE	CL.	PERFORMANCE						MOTOR DATA					
							C.F.M.	O.V.	S.P.	R.P.M.	B.H.P.	TEMP.	ELEV.	H.P.	R.P.M.	CURRENT	FRAME	TYPE

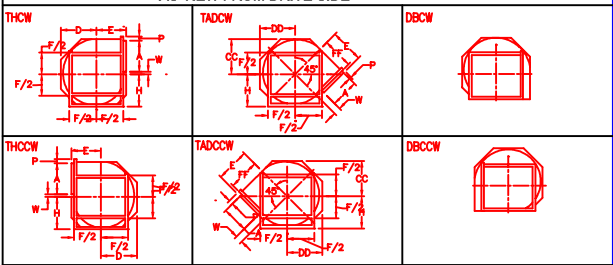
ITEM NO	MOTOR SLIDE BASE PART #7-2-94	DRIVE DATA			BY S.E. BY CUST.	MOTOR	VIBR. BASE TYPE	SPECIAL FEATURES
		MTR.SHEAVE	FAN SHEAVE	BELTS				



**NOTES**

- MOTOR AND DRIVE SUPPLIED AND MOUNTED BY S.E.
- DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE

**POSITIONS OF DISCHARGE AND ROTATION AS VIEW FROM DRIVE SIDE**



**SPECIAL FEATURES**

- A=FLANGED OUTLET
- B=FLANGED INLET
- C=INLET VOLUME CONTROL
- D=OUTLET DAMPER
- E=CLEANOUT DOOR
- F=SHAFT COOLER AND GUARD
- G=DRAIN OPENING
- H=INLET SCREEN
- I=ROUNDED IN-CONE
- J=SHAFT SEAL
- K=HORIZONTAL SPLIT HOUSING
- L=SPECIAL FINISH-SEE NOTES
- M=SPARK RESISTANT CONSTRUCTION, TYPE 'C'
- N=SPLIT TYPE ROLLER BEARINGS; 1.GREASE LUBRICATED (STD.) 2.OIL LUBRICATED
- P=MOTOR SLIDE BASE-A/1 ONLY
- Q=VIBRATION BASE
- R=INLET COLLAR
- S=BELT GUARD

CUSTOMER \_\_\_\_\_ P.O.# \_\_\_\_\_

JOB NAME \_\_\_\_\_

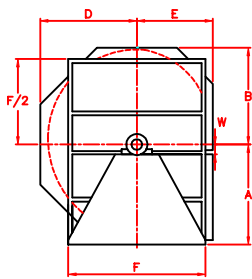
LOCATION \_\_\_\_\_



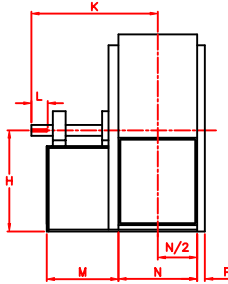
**SERIES 8000 SIZES 36-1/2" TO 54-1/4"**  
**ADJUSTABLE HOUSING ARRANGEMENT NO 1 & 9**  
**SISW CLASS I & II**

**SHELDONS ENGINEERING**  
www.sheldonsengineering.com  
sales@sheldonsengineering.com

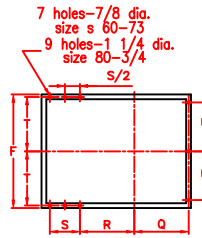
FURNISHED FOR SALES PURPOSES - DIMENSIONS NOT CERTIFIED BY S.E.	DATE	SUBMITTED BY	SALES OFFICE
FURNISHED FOR APPROVAL - NOT RELEASED FOR PRODUCTION	DATE	ENGINEER	SO#
FURNISHED FOR APPROVAL - NOT REQUIRED - RELEASED FOR PRODUCTION	DATE	ENGINEER	DWG#



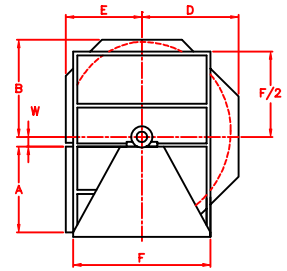
SIDE ELEVATION (drive side)  
BOTTOM HORIZONTAL COUNTER CLOCKWISE



FRONT ELEVATION



FOUNDATION (plan)



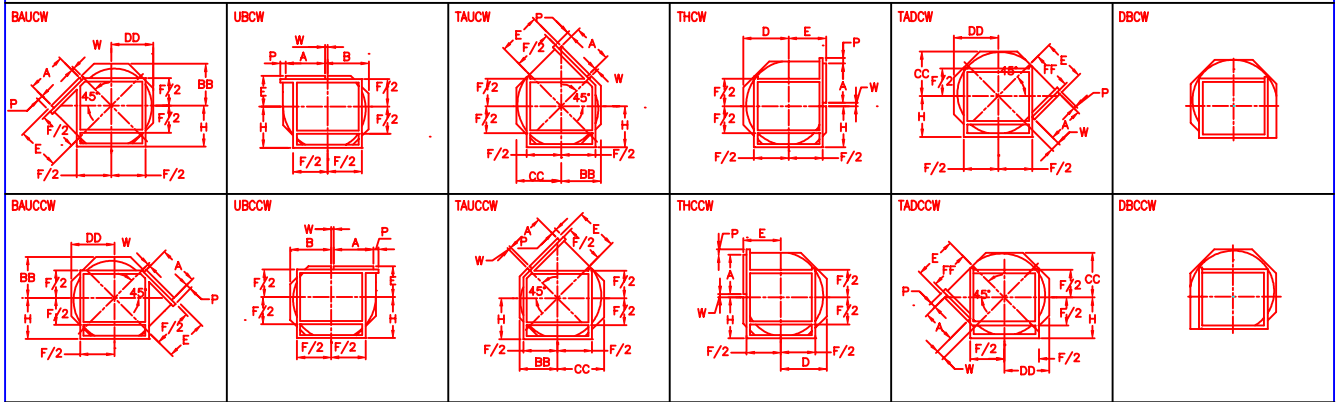
SIDE ELEVATION (drive side)  
BOTTOM HORIZONTAL CLOCKWISE

DIMENSIONS - INCHES

FAN SIZE	WHEEL DIA.	SHAFT AT BEARINGS		KEYWAY		A	B	D	E		F	H						K
		CL.I	CL.II	CL.I	CL.II				BH,BAU, UB,TAU, & TH	TAD ONLY		BH	BAU	UB	TAU	TH	TAD	
54 1/4	54 1/4	2 7/16	3 15/16	5/8x5/16	3/4x3/8	57 1/32	40 5/8	49 1/16	36 1/4	46 1/2	67 1/4	54 7/8	53 1/2	50 3/4	45 1/2	42 5/8	38	60
60	60	2 11/16	3 7/16	5/8x5/16	7/8x7/16	62 7/8	46 9/16	55 1/2	40	51 3/8	74 1/4	60 3/8	59 13/16	56 7/8	50 13/16	46 1/16	42 3/4	64
66	66	2 15/16	3 7/16	3/4x3/8	7/8x7/16	69 5/16	51 5/16	61 1/8	44 1/4	56 7/8	82	66 7/16	65 15/16	61 5/8	56	51 13/16	47 1/16	70 1/2
73	73	2 15/16	3 15/16	3/4x3/8	1x1/2	76 27/32	56 5/16	67 1/16	48 1/4	62	90 1/4	72 13/16	72 1/2	67 9/16	61 3/8	56 13/16	51 9/16	76

FAN SIZE	K	L		M	N	P	Q	R	S	T	U	W	BB	CC	DD	FF	MIN.FAN SHEAVE DIA.	
		CL.II	CL.II														CL.I	CL.II
54 1/4	63	5	8	32 3/4	42 7/8	3	23 3/16	27 7/16	22 3/16	32 3/8	30 1/8	11/32	36 7/8	51 15/16	44 1/8	43 9/16	16	15
60	67	5	8	32 15/16	47 7/16	3	25 1/2	29 3/4	23 11/16	35 7/8	33 3/8	9/16	42 1/4	59 9/32	50 5/16	48 1/2	18.4	16
66	74 1/2	5	9	36 7/8	52 9/16	3	28	34 5/16	24 11/16	38 3/4	36 1/2	1/2	46 9/16	65 13/32	55 1/2	53 5/8	18.0	19.3
73	79	7	10	38 3/8	57 3/4	3	30 5/8	36 7/8	26 3/16	43 7/8	40 5/8	11/32	51 1/16	71 25/32	60 7/8	58 7/8	22.0	20.3



POSITIONS OF DISCHARGE AND ROTATION AS VIEWED FROM DRIVE SIDE

ITEM NO	IDENTIFICATION	NO REQ'D	FAN SIZE	DISCH. & ROT.	WHEEL TYPE	CL.	PERFORMANCE						MOTOR DATA					
							C.F.M.	O.V.	S.P.	R.P.M.	B.H.P.	TEMP.	ELEV.	H.P.	R.P.M.	CURRENT	FRAME	TYPE

ITEM NO	MOTOR SLIDE BASE PART #7-2-94	DRIVE DATA			BY S.E. BY CUST. CENTER	MOTOR	VIBR. BASE TYPE	SPECIAL FEATURES
		MTR.SHEAVE	FAN SHEAVE	BELTS				

**NOTE:**  
DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE

- SPECIAL FEATURES**
- A=FLANGED OUTLET
  - B=FLANGED INLET
  - C=INLET VOLUME CONTROL 1.350 F.MAX 2.650 F.MAX.
  - D=OUTLET DAMPER
  - E=CLEANOUT DOOR; TYPE: 1.QUICK CLAMP 2.BOLTED 3.PLUG
  - F=SHAFT COOLER AND GUARD
  - G=DRAIN OPENING
  - H=INLET SCREEN;TYPE: 1.ROUN.D, IN-CONE 2. SQUARE BASKET
  - J=SHAFT SEAL
  - K=HORIZONTAL SPLIT HOUSING
  - L=SPECIAL FINISH-SEE NOTES
  - M=SPARK RESISTANT CONSTRUCTION, TYPE 'C'
  - N=SPLIT TYPE ROLLER BEARINGS; 1.GREASE LUBRICATED (STD.) 2.OIL LUBRICATED
  - P=MOTOR SLIDE BASE-A/1 ONLY
  - Q=VIBRATION BASE
  - R=INLET COLLAR
  - S=BELT GUARD

CUSTOMER \_\_\_\_\_

JOB NAME \_\_\_\_\_

LOCATION \_\_\_\_\_

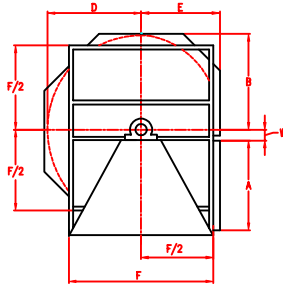
P.O.# \_\_\_\_\_

**SERIES 8000 SIZES 54 1/4" TO 73"**  
**SISV CLASS I & II ADJUSTABLE HOUSING**  
**ARRANGEMENT NO 1 & 9**

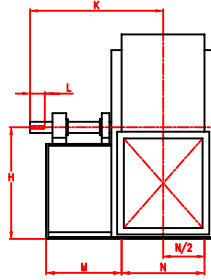
**SHELDONS ENGINEERING**  
www.sheldonsengineering.com  
sales@sheldonsengineering.com

FURNISHED FOR SALES PURPOSES-DIMENSIONS NOT CERTIFIED	DATE	SUBMITTED BY	SALES OFFICE
DRAWING CERTIFIED BY S.E. FURNISHED FOR APPROVAL - NOT RELEASED FOR PRODUCTION	DATE	ENGINEER	SO#
DRAWING CERTIFIED BY S.E. APPROVAL NOT REQUIRED-RELEASED FOR PRODUCTION	DATE	ENGINEER	DWG#

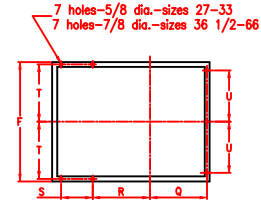




SIDE ELEVATION (drive side)  
BOTTOM HORIZONTAL COUNTER CLOCKWISE



FRONT ELEVATION



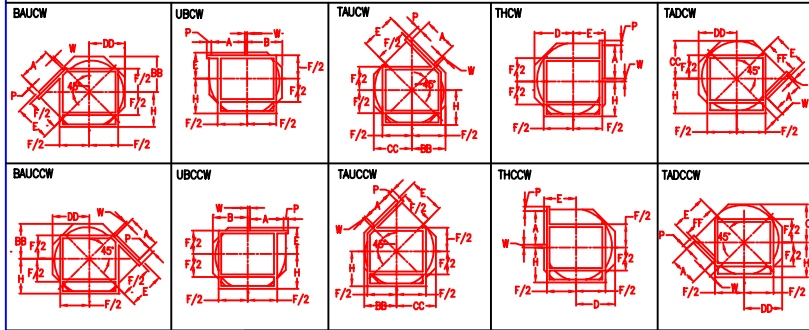
FOUNDATION (plan)

DIMENSIONS - INCHES

FAN SIZE	WHEEL DIA.	SHAFT AT BEARINGS		KEYWAY	A	B	D	E		F	H						K	L
		CL.III	CL.III					BH. BAU. UB. TAU. TH	TAD ONLY		BH	BAU	UB	TAU	TH	TAD		
27	27	2 15/16	3/4x3/8		25 3/8	20 3/8	24 7/16	20 1/4	26 3/4	35 3/4	29	29	29	29	29	29	43 3/4	6
30	30	2 7/16	5/8x5/16		28 1/16	22 1/2	26 15/16	22 3/4	30 1/8	39 7/16	31 11/16	31 11/16	31 11/16	31 11/16	31 11/16	31 11/16	47 1/2	7
33	33	2 7/16	5/8x5/16		31 1/8	24 15/16	29 7/8	22 1/4	32 1/8	42 5/8	34 13/16	34 13/16	34 13/16	34 13/16	34 13/16	34 13/16	50 3/8	8
36 1/2	36 1/2	2 7/16	5/8x5/16		34 3/16	27 7/16	32 7/8	25 3/4	34	46	38	38	38	38	38	38	52 1/2	8
40 1/4	40 1/4	2 11/16	5/8x5/16		37 7/8	30 1/4	36 1/4	28 1/4	36	50 1/4	42 5/8	40	37 15/16	34 1/2	31 9/16	29	58 1/2	9
44 1/2	44 1/2	2 15/16	3/4x3/8		42 1/16	33 3/8	40	31	39 1/2	55 1/4	46 9/16	44	41 15/16	37 1/2	35	31 1/2	59 1/4	9
49	49	3 3/16	3/4x3/8		46 5/8	36 7/8	44 3/16	33 3/4	43	61	51 1/16	48 1/2	45 15/16	41 1/2	38 7/16	35	60 1/4	9
54 1/4	54 1/4	3 7/16	7/8x7/16		51 13/16	40 5/8	49 1/16	37	47 1/4	67 1/4	55 7/8	53 1/2	50 3/4	45 1/2	42 5/8	38	64 1/4	9
60	60	3 11/16	7/8x7/16		57 1/32	44 15/16	53 7/8	40 3/4	52 1/8	74 1/4	61 3/8	59	55 3/8	50 1/2	46 1/2	42	66 3/4	9
66	66	3 15/16	1x1/2		62 7/8	52 1/4	62	45	57 7/8	82	69 1/2	66 7/8	62 1/2	57	52 3/4	48	74 1/2	9

FAN SIZE	M	N	P	Q	R	S	T	U	W	BB	CC	DD	FF	MIN. FAN SHEAVE DIA.
27	29	21 9/16	3	12 9/16	15 1/2	23	16 5/8	12 1/2	5/8	18 15/32	26 1/32	22 3/32	24 3/8	
30	30 5/8	23 3/4	3	13 5/8	16 5/8	24 5/8	18 1/2	15	5/8	20 3/8	30 11/16	24 3/8	27 3/32	
33	31 3/16	26 1/2	3	15	18	25 3/16	20 1/16	16 1/2	23/32	22 5/8	31 27/32	27 1/16	29 3/16	
36 1/2	31 15/16	29 1/8	3	16 5/16	19 5/16	25 15/16	21 3/4	18	53/64	24 27/32	35	29 3/4	31 1/4	
40 1/4	36 1/4	32 1/8	4	18 9/16	22 9/16	28 1/4	23 5/8	21 5/8	25/32	27 7/16	38 5/8	32 13/16	32 1/2	
44 1/2	35 9/16	35 3/8	4	20 3/16	24 3/16	27 9/16	26 1/8	24 3/16	17/32	30 1/4	42 5/8	36 3/16	35 3/4	
49	34 11/16	39 1/16	4	22 1/16	26	26 11/16	29	26 5/8	15/32	33 1/2	47 1/8	40	39 7/16	
54 1/4	36 3/4	43	4	24	28	28 3/4	32 1/8	30 1/8	3/32	36 7/8	51 15/16	44 1/8	43 9/16	
60	36 7/8	47 9/16	4	26 5/16	30 1/4	28 7/8	35 5/8	33 3/4	11/32	40 3/4	57 7/16	49 3/4	48 1/8	
66	42 7/8	52 9/16	6	29 25/32	39	27 5/8	38 1/2	36 1/2	5/8	47 7/16	66 5/16	56 3/8	53 5/8	

POSITIONS OF DISCHARGE AND ROTATION



SPECIAL FEATURES

- A=FLANGED OUTLET
- B=FLANGED INLET
- C=INLET VOLUME CONTROL
- D=OUTLET DAMPER
- E=CLEANOUT DOOR
- F=SHAFT COOLER AND GUARD
- G=HOUSING DRAIN
- H=INLET SCREEN
- J=SHAFT SEAL
- K=SPLIT HOUSING
- L=SPECIAL FINISH—SEE NOTES
- M=SPARK RESISTANT CONSTRUCTION, TYPE 'C'
- N=BELT GUARD
- P=SHAFT AND BEARING GUARD
- Q=UNITARY BASE
- R=INLET COLLAR
- S=EXTENDED GREASE LEADS

ITEM NO	IDENTIFICATION	NO REQ'D	FAN SIZE	DISCH. & ROT.	WHEEL TYPE	CL.	PERFORMANCE						MOTOR DATA							
							C.F.M.	O.V.	S.P.	R.P.M.	B.H.P.	TEMP.	ELEV.	H.P.	R.P.M.	CURRENT	FRAME	TYPE		

ITEM NO	MOTOR SLIDE BASE PART #7-2-94-	DRIVE DATA			BY S.E. <input type="checkbox"/> BY CUST. <input type="checkbox"/>	MOTOR CENTER	MOTOR	BASE TYPE	SPECIAL FEATURES	CUSTOMER
		MTR. SHEAVE	FAN SHEAVE	BELTS						

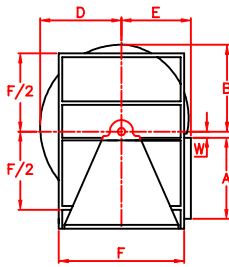


SERIES 8000 SIZES 27 TO 66  
ADJUSTABLE HOUSING ARRANGEMENT NO 1 & 9  
SISW CLASS III

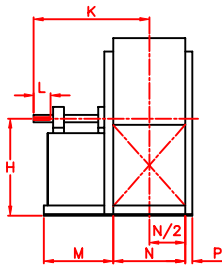
**SHELDONS ENGINEERING**

1425 BISHOP STREET, UNIT 9  
CAMBRIDGE, ONTARIO, CANADA N1R 6J9  
PHONE (519) 621-1800 FAX: (519) 622-3456

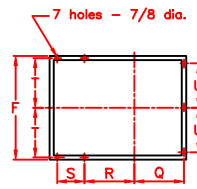
FURNISHED FOR SALES PURPOSES—DIMENSIONS NOT CERTIFIED BY S.E.	DATE	SUBMITTED BY	SALES OFFICE
DRAWING CERTIFIED BY S.E. FURNISHED FOR APPROVAL - NOT RELEASED FOR PRODUCTION	DATE	ENGINEER	SO#
DRAWING CERTIFIED BY S.E. APPROVAL - NOT REQUIRED - RELEASED FOR PRODUCTION	DATE	ENGINEER	DWG#



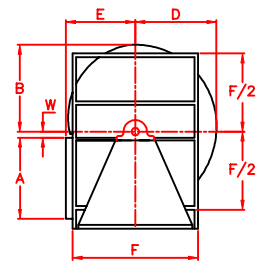
SIDE ELEVATION (drive side)  
BOTTOM HORIZONTAL COUNTER CLOCKWISE



FRONT ELEVATION



FOUNDATION (plan)

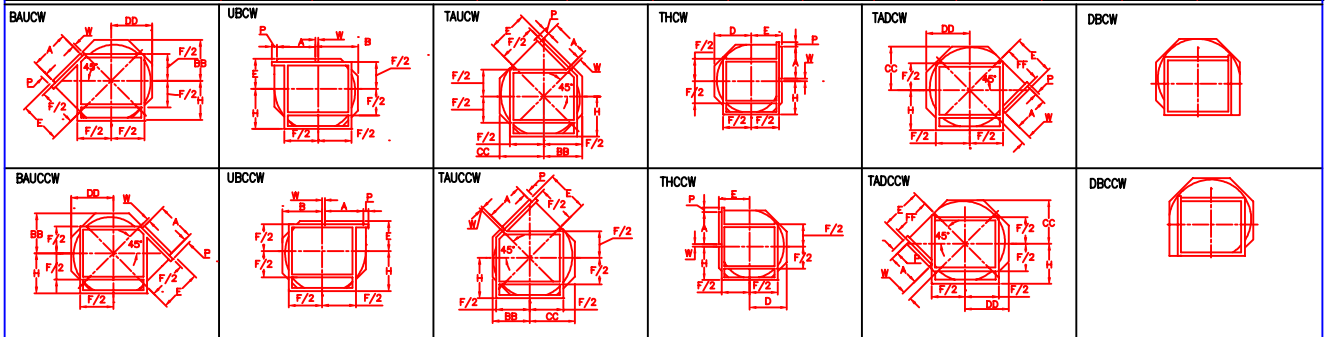


SIDE ELEVATION (drive side)  
BOTTOM HORIZONTAL CLOCKWISE

DIMENSIONS - INCHES

FAN SIZE	WHEEL DIA.	SHAFT AT BEARINGS	KEYWAY	A	B	D	E		F	H						K
							BH,BAU, UB,TAU & TH	TAD ONLY		BH	BAU	UB	TAU	TH	TAD	
54 1/4	54 1/4	3 3/16	3/4x3/8	47 7/8	42 13/32	50 3/8	36 1/4	46 1/2	67 1/4	54 7/8	54 3/8	50 7/8	46 1/4	42 15/16	39	64 1/4
60	60	3 7/16	7/8x7/16	53	46 9/16	55 1/2	40	51 3/8	74 1/4	60 3/8	59 13/16	56	50 13/16	47 1/16	42 3/4	66 3/4
66	66	3 11/16	7/8x7/16	58 9/16	51 5/16	61 1/8	44 1/4	56 7/8	82	66 1/2	65 15/16	61 5/8	56	51 13/16	47 1/16	74 1/2
73	73	3 15/16	1 x 1/2	64 7/16	56 5/16	67 1/16	48 1/4	62	90 1/4	72 7/8	72 1/4	67 9/16	61 3/8	56 13/16	51 9/16	81

FAN SIZE	L	M	N	P	Q	R	S	T	U	W	BB	CC	DD	FF	MIN.FAN SHEAVE DIA.
54 1/4	9	35 3/4	43	3	23 1/4	27 7/16	28 3/4	32 3/8	29 3/8	4	38 1/2	53 7/8	45 3/4	43 7/8	12.5
60	9	35 7/8	47 9/16	3	25 17/32	29 9/32	28 7/8	35 7/8	32 3/8	4 3/8	42 1/4	59 9/32	50 5/16	48 1/2	13.9
66	9	39 7/8	52 11/16	3	28 3/32	35 3/32	28 5/8	39 3/4	36 1/2	4 15/16	46 9/16	65 13/32	55 1/2	53 5/8	15.3
73	10	41 3/8	57 7/8	3	30 11/16	39 1/16	28 3/4	43 7/8	40 5/8	5 7/16	51 1/16	71 25/32	60 7/8	58 7/8	16.9



POSITIONS OF DISCHARGE AND ROTATION AS VIEWED FROM DRIVE SIDE

ITEM NO	IDENTIFICATION	NO REQ'D	FAN SIZE	DISCH. & ROT.	WHL. TYPE	CL.	PERFORMANCE						MOTOR DATA				
							C.F.M.	O.V.	S.P.	R.P.M.	B.H.P.	TEMP.	ELEV.	H.P.	R.P.M.	CURRENT	FRAME

ITEM NO	MOTOR SLIDE BASE PART #7-2-94	DRIVE DATA			BY S.E. BY CUST.	MOTOR	VIBR. BASE TYPE	SPECIAL FEATURES
		MTR.SHEAVE	FAN SHEAVE	BELTS				

**SPECIAL FEATURES**

A=FLANGED OUTLET  
 B=FLANGED INLET  
 C=INLET VOLUME CONTROL  
 1.350 F.MAX 2.650 F.MAX.  
 D=OUTLET DAMPER  
 E=CLEANOUT DOOR. TYPE:  
 1.Quick Clamp 2.Bolted 3.Plug  
 F=SHAFT COOLER AND GUARD  
 G=DRAIN OPENING  
 H=INLET SCREEN,TYPE:  
 1.ROUNDED IN-CONE  
 2.SQUARE BASKET  
 J=SHAFT SEAL

K=HORIZONTAL SPLIT HOUSING  
 J=SPECIAL FINISH-SEE NOTES  
 M=SPARK RESISTANT CONSTRUCTION, TYPE 'C'  
 N=SPLIT TYPE ROLLER BEARINGS;  
 1.GREASE LUBRICATED (STD.)  
 2.OIL LUBRICATED  
 P=MOTOR SLIDE BASE-A/1 ONLY  
 Q=VIBRATION BASE  
 R=INLET COLLAR  
 S=BELT GUARD

**NOTES**

DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE

CUSTOMER \_\_\_\_\_ P.O.# \_\_\_\_\_

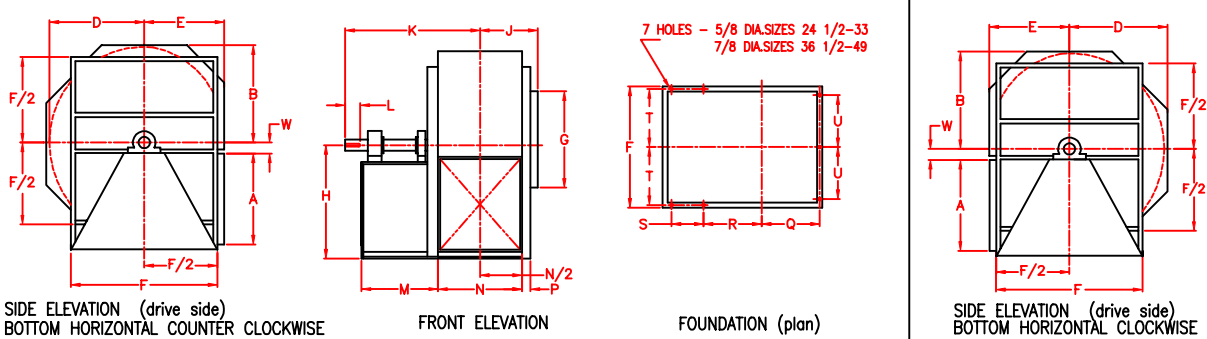
JOB NAME \_\_\_\_\_

LOCATION \_\_\_\_\_

**SERIES 3000 SIZES 54 1/4 TO 73  
ARRANGEMENT NO 1 & 9 - SISW - CL III  
CENTRIFUGAL FAN  
SHELDONS ENGINEERING**

www.sheldonsengineering.com  
sales@sheldonsengineering.com

FURNISHED FOR SALES PURPOSES - DIMENSIONS NOT CERTIFIED BY S.E.	DATE	SUBMITTED BY	SALES OFFICE
DRAWING CERTIFIED BY S.E. PUBLISHED FOR PRODUCTION	DATE	ENGINEER	SO#
APPROVAL NOT REQUIRED - RELEASED FOR PRODUCTION	DATE	ENGINEER	DWG#



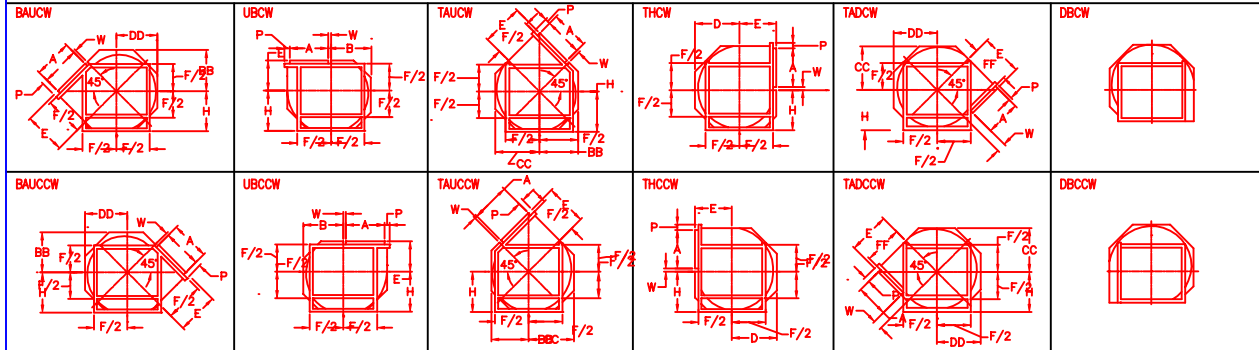
SIDE ELEVATION (drive side) BOTTOM HORIZONTAL COUNTER CLOCKWISE FRONT ELEVATION FOUNDATION (plan) SIDE ELEVATION (drive side) BOTTOM HORIZONTAL COUNTER CLOCKWISE

**DIMENSIONS - INCHES**

FAN SIZE	WHEEL DIA.	SHAFT AT BEARINGS	KEYWAY	A	B	D	E		F	G	H						J
							BH,BAU,UB,TAU,TH	TAD ONLY			BH	BAU	UB	TAU	TH	TAD	
27	27	2 3/16	1/2x1/4	28 1/32	21 3/4	25 3/4	19 1/2	26 3/4	35 3/4	30 5/8	28 1/2	27 3/4	26 1/4	24 5/16	22 1/4	22 3/8	12 7/8
30	30	2 7/16	5/8x5/16	31 1/8	23 7/8	28 1/4	22	30 1/8	39 7/16	33 13/16	31 3/16	30 3/8	28 3/4	26 9/16	24 3/8	24 7/32	14 1/2
33	33	2 7/16	5/8x5/16	34 3/16	26 13/16	31 11/16	23 1/2	31 3/8	42 5/8	37	34 13/16	34 5/16	32 3/16	29 3/8	27 5/16	25 5/16	15 3/4
36 1/2	36 1/2	2 15/16	3/4x3/8	37 7/8	29 7/32	34 3/8	25	33 1/4	46	40 3/8	38	37 1/2	35 1/8	32 1/16	29 3/4	27 1/8	17 1/16
40 1/4	40 1/4	2 15/16	3/4x3/8	42 1/16	32 3/32	38	27 1/2	35 1/4	50 1/4	40 5/8	41 21/32	41 3/16	38 1/2	35 1/8	32 5/8	29 11/16	18 1/2
44 1/2	44 1/2	3 7/16	7/8x7/16	46 5/8	35 5/32	41 11/16	30 1/4	38 3/4	55 1/4	44 1/8	45 19/32	45 1/8	42 1/4	38 7/16	35 11/16	32 7/16	20 1/8
49	49	3 11/16	7/8x7/16	51 13/32	38 21/32	45 7/8	33	42 1/4	61	48 7/8	50 3/32	49 9/16	46 3/8	42 3/16	39 3/16	35 5/8	21 31/32
54 1/4	54 1/4	3 15/16	1x1/2	57 1/32	42 13/32	50 3/8	36 1/4	46 1/2	67 1/4		54 29/32	54 3/8	50 7/8	46 1/4	42 15/16	39	

FAN SIZE	K	L	M	N	P	Q	R	S	T	U	W	BB	CC	DD	FF	MIN.FAN SHEAVE DIA.
27	40 1/4	7	24 1/16	21 9/16	2 1/2	12 5/32	14 27/32	18 5/8	16 3/4	13 7/8	2 1/32	19 13/16	27 9/16	23 7/16	24 1/4	
30	43 3/4	8	25 3/8	23 3/4	2 1/2	13 1/4	15 1/4	20 5/8	18 19/32	15 23/32	2 7/16	21 11/16	29 7/8	26 1/16	27 5/8	
33	47 3/4	8	28	26 1/2	2 1/2	14 5/8	17 1/4	22 5/8	20 3/16	17 5/16	2 11/32	24 7/16	33 13/16	28 7/8	28 11/16	
36 1/2	51 3/8	8	30 1/4	29 1/8	2 1/2	15 15/16	17 13/16	25 5/8	21 7/8	19	2 55/64	26 5/8	36 13/16	31 3/8	30 3/4	
40 1/4	51 5/8	8	29 5/8	32	3	17 3/4	19 5/8	24 1/4	23 7/8	20 5/8	3 13/32	29 3/16	40 21/32	34 5/8	32 7/8	
44 1/2	57 3/8	8	34 3/8	35 1/4	3	19 3/8	24	26 1/4	26 1/2	23 1/8	4 1/32	31 15/16	44 9/16	37 15/16	36 1/8	
49	61 1/8	8	35 7/8	38 15/16	3	21 7/32	24 11/32	29 1/4	29 1/4	26	4 5/16	35 1/8	49 1/16	41 11/16	39 3/4	
54 1/4	69 3/8	10	40 1/8	42 7/8	3	23 3/16	25 9/16	34 1/4	32 3/8	29 1/8	5 1/8	38 1/2	53 7/8	45 3/4	43 7/8	

**POSITIONS OF DISCHARGE AND ROTATION**



ITEM NO	IDENTIFICATION	NO REQ'D	FAN SIZE	DISCH. & ROT.	WHEEL TYPE	CL.	PERFORMANCE						MOTOR DATA				
							C.F.M.	O.V.	S.P.	R.P.M.	B.H.P.	TEMP.	ELEV.	H.P.	R.P.M.	CURRENT	FRAME

ITEM NO	SLIDE MOTOR BASE PART #7-2-94-	DRIVE DATA			BY CUST. BY S.E.	MOTOR	VIBR. BASE TYPE	SPECIAL FEATURES	SPECIAL FEATURES	
		MTR.SHEAVE	FAN SHEAVE	BELTS					CENTRE	A=FLANGED OUTLET
										J=SPECIAL FINISH-SEE NOTES
										M=SPARK RESISTANT CONSTRUCTION, TYPE 'C'
										N=BELT GUARD
										P=SHAFT AND BEARING GUARD
										Q=VIBRATION/UNITARY BASE
										R=INLET COLLAR
										S=EXTENDED GREASE LEADS

CUSTOMER \_\_\_\_\_

JOB NAME \_\_\_\_\_ P.O.# \_\_\_\_\_

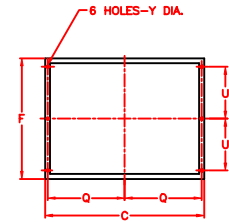
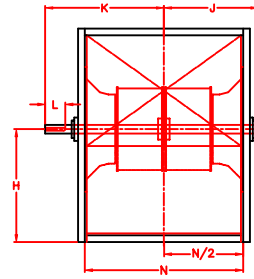
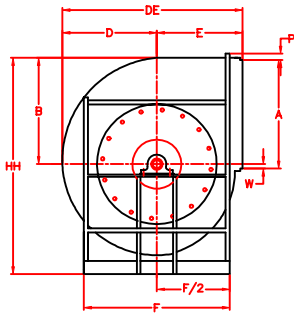
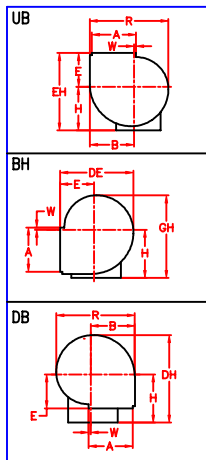
LOCATION \_\_\_\_\_

SERIES 8000 SIZES 27 TO 54 1/4  
CENTRIFUGAL FAN ARRANGEMENT I  
SISW CLASS IV

**SHELDONS ENGINEERING**  
1425 BISHOP STREET, UNIT 9  
CAMBRIDGE, ONTARIO, CANADA N1R 6J9  
PHONE (519) 621-1800 FAX: (519) 622-3456

FURNISHED FOR SALES PURPOSES-DIMENSIONS NOT CERTIFIED	DATE	SUBMITTED BY	SALES OFFICE
DRAWING CERTIFIED BY S.E. FURNISHED FOR APPROVAL - NOT RELEASED FOR PRODUCTION	DATE	ENGINEER	SO#
DRAWING CERTIFIED BY S.E. APPROVAL NOT REQUIRED-RELEASED FOR PRODUCTION	DATE	ENGINEER	DWG#





SIDE ELEVATION (drive side)  
TOP HORIZONTAL  
COUNTER CLOCKWISE

FRONT ELEVATION

FOUNDATION (plan)

**DIMENSIONS - INCHES**

FAN SIZE	WHEEL DIA.	SHAFT AT BEARINGS		KEYWAY		A	B	C	D	E	F	H				J	
		CL I	CL II	CL I	CL II							BH	UB	TH	DB	CL I	CL II
36 1/2	36 1/2	2 7/16	2 15/16	5/8x5/16	3/4x3/8	38 5/16	35 1/2	55 7/8	33 11/32	25	46	37	33 3/4	28 3/8	33	30	31 7/32
40 1/4	40 1/4	2 11/16	3 7/16	5/8x5/16	7/8x7/16	42	39 5/32	61 1/2	36 25/32	27 1/2	51 1/4	41 21/32	37 1/4	31 1/4	35	33 1/8	34
44 1/2	44 1/2	2 15/16	3 7/16	3/4x3/8	7/8x7/16	46 1/2	43 1/16	67 7/16	40 7/16	30 1/4	55 1/4	45 9/16	40 15/16	34 5/16	38	36 13/32	37
49	49	3 7/16	3 11/16	7/8x7/16	7/8x7/16	51 1/16	47 9/16	74 1/8	44 21/32	33	61	50 1/16	45 1/8	37 3/4	41	40 5/16	41 3/8
54 1/4	54 1/4	3 7/16	3 7/16	7/8x7/16	7/8x7/16	56 13/16	52 3/8	83 1/4	49 3/16	36 1/4	67 1/4	54 7/8	49 11/16	41 5/8	38 3/4	45 15/32	45 15/32
60	60	3 15/16	3 7/16	1x1/2	7/8x7/16	62 13/16	57 7/8	91 7/16	54 3/8	40	74 1/4	60 3/8	54 7/8	46 1/8	48	48 23/32	49 27/32
66	66	3 7/16	3 7/16	7/8x7/16	7/8x7/16	68 11/16	63 15/16	100 1/2	60 1/32	44 1/4	82	66 7/16	61 5/8	51 13/16	52	54 3/8	54 3/8
73	73	3 7/16	3 7/16	7/8x7/16	7/8x7/16	76 3/8	70 5/16	110	66 13/32	48 1/4	90 1/4	72 13/16	67 9/16	56 13/16	56	57 19/32	57 13/16
80 3/4	80 3/4	3 7/16	3 15/16	7/8x7/16	1x1/2	84 1/2	77 11/16	121	72 15/16	54	103 3/4	81 3/16	75 7/16	63 9/16	62	65 1/16	65 1/16

FAN SIZE	K		L		N	P	FOR UB, TH, BH, DB	FOR DB ONLY	R	U	W	Y	DE	DH	EH	GH	HH
	CL I	CL II	CL I	CL II			Q	Q									
36 1/2	36 15/16	40 7/32	6	8	51 7/8	2	27 1/16	27 9/16	63 13/32	19	3 5/16	1/2	58 11/32	66 11/32	58 3/4	64 29/32	63 7/8
40 1/4	40 1/16	43 1/16	6	8	57 1/2	3	29 7/8	30 3/8	69 15/16	20 5/8	3 11/32	1/2	64 9/32	71 25/32	64 3/4	72 7/16	70 13/32
44 1/2	44 13/32	46 3/16	7	8	63 7/16	3	32 27/32	33 11/32	76 7/8	22 5/8	3 15/16	1/2	70 11/16	78 7/16	71 3/16	79 3/8	77 3/8
49	48 3/8	50 7/16	7	8	70 1/8	3	36 3/16	36 11/16	84 29/32	25 1/2	4	1/2	77 21/32	85 21/32	78 1/8	87 13/32	85 5/16
54 1/4	54 9/16	54 9/16	8	8	77 1/4	3	40 3/8	40 3/8	93 1/2	28 5/8	4 15/16	7/8	85 7/16	93 3/16	85 15/16	96	94
60	57 27/32	58 27/32	8	8	85 7/16	3	44 15/32	44 31/32	103 9/32	32 1/8	5 7/16	7/8	94 3/8	102 3/8	94 7/8	105 25/32	104
66	63 3/8	63 3/8	8	8	94 1/2	3	49	49 1/2	114 1/16	36 1/2	5 1/4	7/8	104 9/32	112 1/32	105 7/8	116 9/16	115 3/4
73	66 21/32	66 13/16	8	8	104	3	53 3/4	54 1/4	125 7/16	40 5/8	6 9/16	7/8	114 21/32	122 13/32	115 13/16	127 15/16	127 1/8
80 3/4	74 1/8	74 1/8	8	8	115	3	59 1/4	59 3/4	138 19/32	45 3/8	7 5/16	7/8	126 15/16	134 15/16	129 7/16	142 3/32	141 1/4

ITEM NO	IDENTIFICATION	NO REQ'D	FAN SIZE	DISCH. & ROT.	WHL. TYPE	CL.	PERFORMANCE							MOTOR DATA				
							C.F.M.	O.V.	S.P.	R.P.M.	B.H.P.	TEMP.	ELEV.	H.P.	R.P.M.	CURRENT	FRAME	TYPE

ITEM NO	MOTOR SLIDE BASE PART #7-2-94	DRIVE DATA			BY S.E. BY CUST.	MOTOR	VIBR. BASE TYPE	SPECIAL FEATURES
		MTR.SHEAVE	FAN SHEAVE	BELTS				

**SPECIAL FEATURES**

A=CLEANOUT DOOR; TYPE: 1.QUICK CLAMP; 2.BOLTED 3.PLUG  
 B=HOUSING DRAIN  
 C=INLET VOLUME CONTROL  
 D=BELT GUARD  
 E=EXTENDED GREASE LEADS

F=INLET SCREEN  
 1.WITH IVC  
 2.WITHOUT IVC  
 G=FLANGED OUTLET  
 H=SPLIT HOUSING  
 I=OUTLET DAMPER  
 J=SPECIAL FINISH  
 K=VIBRATION/UNITARY BASE

**NOTES**

WHEN VIBRATION OR UNITARY BASE IS FURNISHED DISREGARD FOUNDATION PLAN SHOWN ABOVE AND REFER TO VIBRATION OR UNITARY BASE DWG.

REFER TO ORDER ACKNOWLEDGEMENT FOR SHIPPING DETAILS.

CUSTOMER \_\_\_\_\_

JOB NAME \_\_\_\_\_

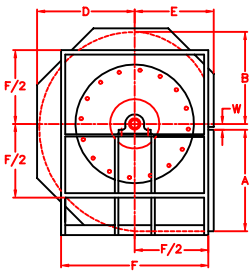
LOCATION \_\_\_\_\_

P.O.# \_\_\_\_\_

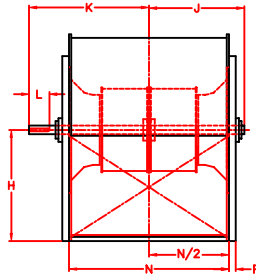
**SERIES 8000 CENTRIFUGAL FANS  
DIDW - ARRANGEMENT 3 CL. I & II  
SIZES 36 1/2 TO 80 3/4**

**SHELDONS ENGINEERING**  
www.sheldonsengineering.com  
sales@sheldonsengineering.com

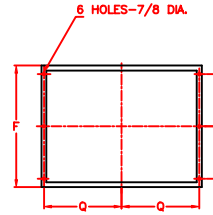
FURNISHED FOR SALES PURPOSES-DIMENSIONS NOT CERTIFIED BY S.E.	DATE	SUBMITTED BY	SALES OFFICE
DRAWING CERTIFIED BY S.E. FURNISHED FOR APPROVAL-NOT RELEASED FOR PRODUCTION	DATE	ENGINEER	SO#
DRAWING CERTIFIED BY S.E. APPROVAL-NOT REQUIRED-RELEASED FOR PRODUCTION	DATE	ENGINEER	DWG#



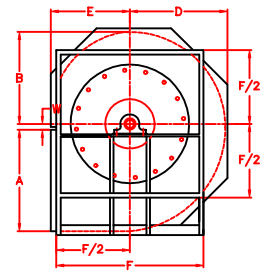
SIDE ELEVATION (drive side)  
BOTTOM HORIZONTAL  
COUNTER CLOCKWISE



FRONT ELEVATION



FOUNDATION (plan)



SIDE ELEVATION (drive side)  
BOTTOM HORIZONTAL  
COUNTER CLOCKWISE

DIMENSIONS - INCHES

FAN SIZE	WHEEL DIA.	SHAFT AT BEARINGS	KEYWAY	A	B	D	E		F	H				
							BH,BAU, UB,TAU TH	TAD ONLY		BH	BAU	UB	TAU	TH
33	33	2 15/16	3/4x3/8	34 5/8	26 13/16	31 11/16	23 1/2	31 3/8	42 5/8	34 13/16	34 5/16	32 3/16	29 3/8	27 5/16
36 1/2	36 1/2	2 15/16	3/4x3/8	38 5/16	29 7/32	34 3/8	25	33 1/4	46	38 1/64	37 1/2	35 1/8	32 1/16	29 3/4
40 1/4	40 1/4	2 15/16	3/4x3/8	42	32 3/32	38	27 1/2	35 1/4	50 1/4	41 21/32	41 3/16	38 1/2	35 1/8	32 5/8
44 1/2	44 1/2	3 7/16	7/8x7/16	46 1/2	35 3/32	41 11/16	75 1/2	38 3/4	55 1/4	45 19/32	45 1/8	42 1/4	38 7/16	35 11/16
49	49	3 7/16	7/8x7/16	51 1/16	38 21/32	45 7/8	84 1/4	42 1/4	61	50 3/32	49 9/16	46 3/8	42 3/16	39 3/16
54 1/4	54 1/4	3 7/16	7/8x7/16	56 13/16	42 13/32	50 3/8	92 7/16	46 1/2	67 1/4	54 29/32	54 3/8	50 7/8	46 1/4	42 15/16
60	60	3 7/16	7/8x7/16	62 13/16	46 9/16	55 1/2	101 1/2	51 3/8	74 1/4	60 3/8	59 13/16	56	50 13/16	47 1/16
66	66	3 7/16	7/8x7/16	68 11/16	51 5/16	61 1/8	111	56 7/8	82	66 1/2	65 15/16	61 5/8	56	51 13/16

FAN SIZE	H	J	K	L	N	P	Q	U	W	BB	CC	DD	FF	MIN. FAN SHEAVE DIA.
	TAD													
33	25 5/16	29 3/8	36 7/8	7	48 1/8	3	25 13/16	16 1/2	2 13/16	24 7/16	33 13/16	28 7/8	29 3/16	8.5
36 1/2	27 1/8	31 7/8	39 1/4	7	53 1/16	3	28 9/32	18	3 19/64	26 5/8	37	31 17/32	31 1/4	7.9
40 1/4	29 11/16	34 5/8	42 5/8	7	58 5/8	3	32 1/16	21 5/8	3 3/8	29 3/16	40 21/31	34 19/32	32 7/8	9.3
44 1/2	32 7/16	38 3/8	45 5/8	7	64 5/8	3	34 1/16	24 3/16	3 29/32	31 15/16	44 19/32	37 15/16	36 1/8	10.3
49	35 5/8	41 5/8	49 3/4	7	71 3/16	3	37 11/32	26 5/8	3 31/32	35 1/8	49 1/16	41 11/16	39 3/4	11.4
54 1/4	39	45 5/16	56 3/8	10	78 9/16	3	41 1/32	29 3/8	4 29/32	38 1/2	53 7/8	45 3/4	43 7/8	12.5
60	42 3/4	49 3/8	61	10	86 11/16	3	45 3/32	32 3/8	5 7/16	42 1/4	59 9/32	50 5/16	48 1/2	13.9
66	47 1/16	53 15/16	64	10	95 13/16	3	49 21/32	36 1/2	5 3/16	46 9/16	65 13/32	55 1/2	53 5/8	15.3

ITEM NO	IDENTIFICATION	NO REQ'D	FAN SIZE	DISCH. & ROT.	WHL. TYPE	CL.	PERFORMANCE						MOTOR DATA						
							C.F.M.	O.V.	S.P.	R.P.M.	B.H.P.	TEMP.	ELEV.	H.P.	R.P.M.	CURRENT	FRAME	TYPE	

ITEM NO	MOTOR SLIDE BASE PART #7-2-94-	DRIVE DATA			BY S.E. BY CUST.	MOTOR	VIBR. BASE TYPE	SPECIAL FEATURES	SPECIAL FEATURES	
		MTR.SHEAVE	FAN SHEAVE	BELTS					CENTER	A=CLEANOUT DOOR


**NOTES**  
 WHEN VIBRATION OR UNITARY BASE IS FURNISHED DISREGARD FOUNDATION PLAN SHOWN ABOVE AND REFER TO VIBRATION OR UNITARY BASE DWG.  
 REFER TO ORDER ACKNOWLEDGEMENT FOR SHIPPING DETAILS.  
 DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE

CUSTOMER \_\_\_\_\_

\_\_\_\_\_ P.O.# \_\_\_\_\_

JOB NAME \_\_\_\_\_

LOCATION \_\_\_\_\_

  
**SERIES 8000 CENTRIFUGAL FANS**  
**DIDW - ARRANGEMENT 3 CL. III**  
**SIZES 36 1/2 TO 80 3/4**  
**SHELDONS ENGINEERING**  
 www.sheldonsengineering.com  
 sales@sheldonsengineering.com

FURNISHED FOR SALES PURPOSES-DIMENSIONS NOT CERTIFIED BY S.E.	DATE	SUBMITTED BY	SALES OFFICE
DRAWING CERTIFIED BY S.E. FURNISHED FOR APPROVAL-NOT RELEASED FOR PRODUCTION	DATE	ENGINEER	SO#
DRAWING CERTIFIED BY S.E. APPROVAL-NOT REQUIRED-RELEASED FOR PRODUCTION	DATE	ENGINEER	DWG#









