

INDUSTRIAL UNIFOIL BACKWARD CURVE



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 for applications.

ARRANGEMENT: 1, 3, 8 and 9.

DESIGN: Robust design with a
reinforcing exterior ribs for added
stiffness. SWSI and DWDI designs are
both available.



sales@sheldonsengineering.com
1-800-265-3572

3000 SERIES

Brochure # 3000B-03-05

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



SHELDONS ENGINEERING Inc.

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VENTILATING CENTRIFUGAL FAN with BACKWARD CURVED BLADES –3000

GENERAL

The centrifugal fan shall be designed and manufactured by Sheldons Engineering to ensure smooth operation. Fan wheel shall be single thickness airfoil-Unifoil™ 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/ft³ 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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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 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.

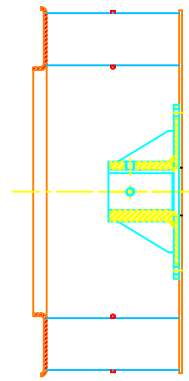
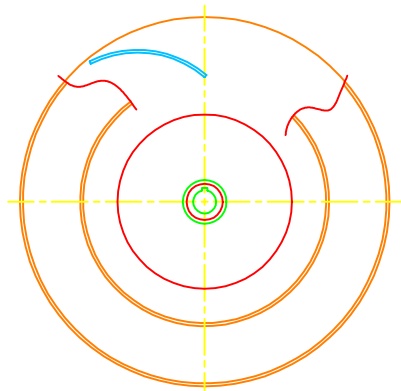
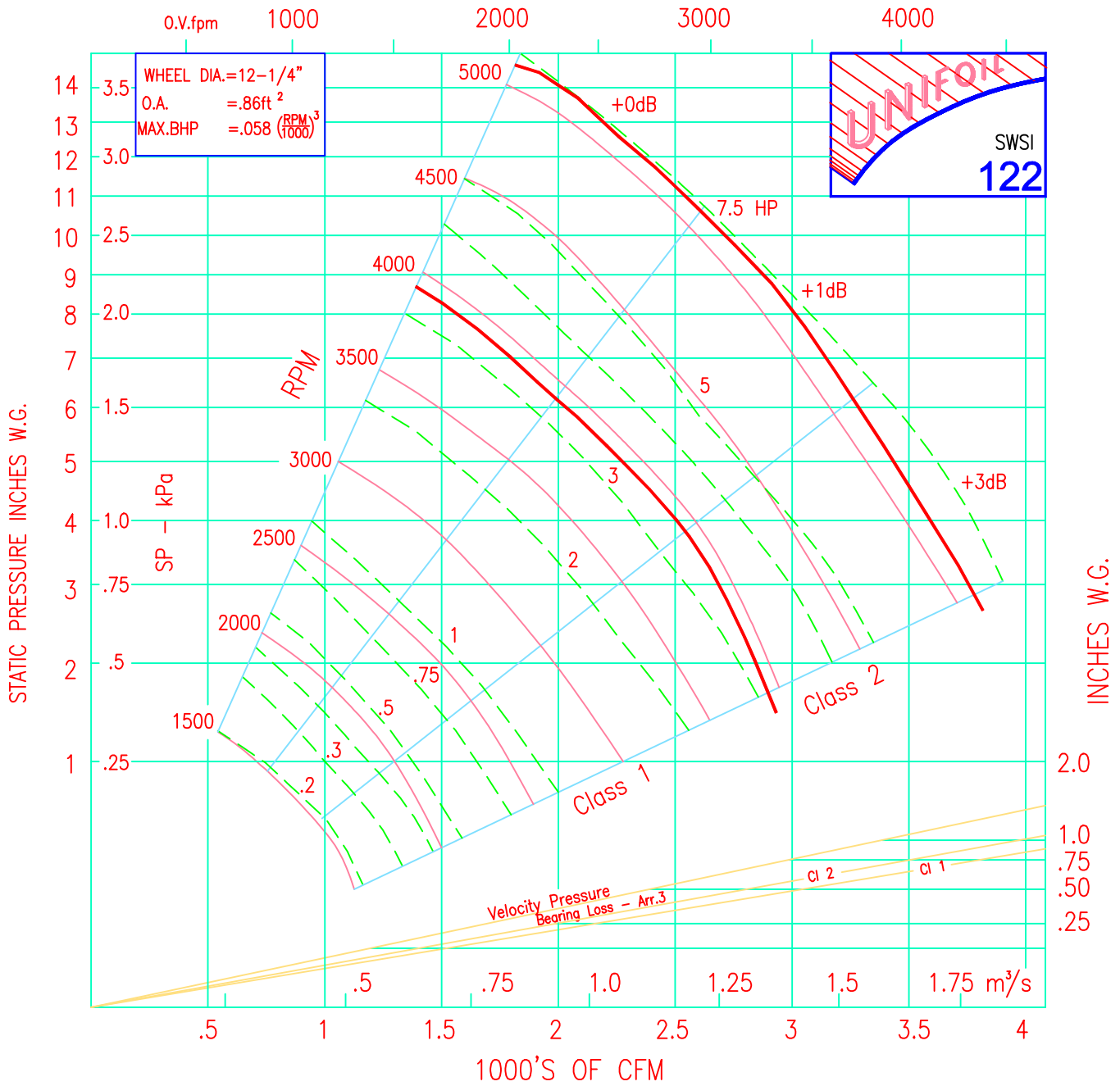
ACCESSORIES

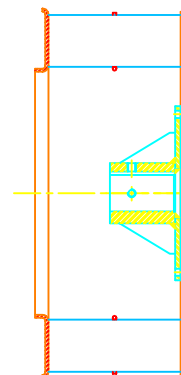
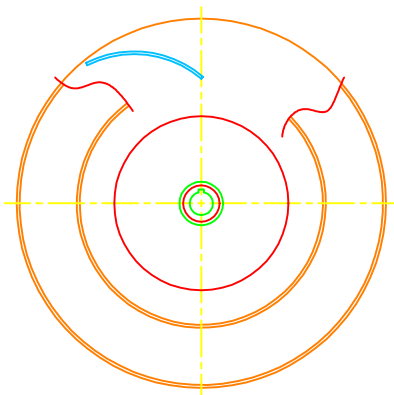
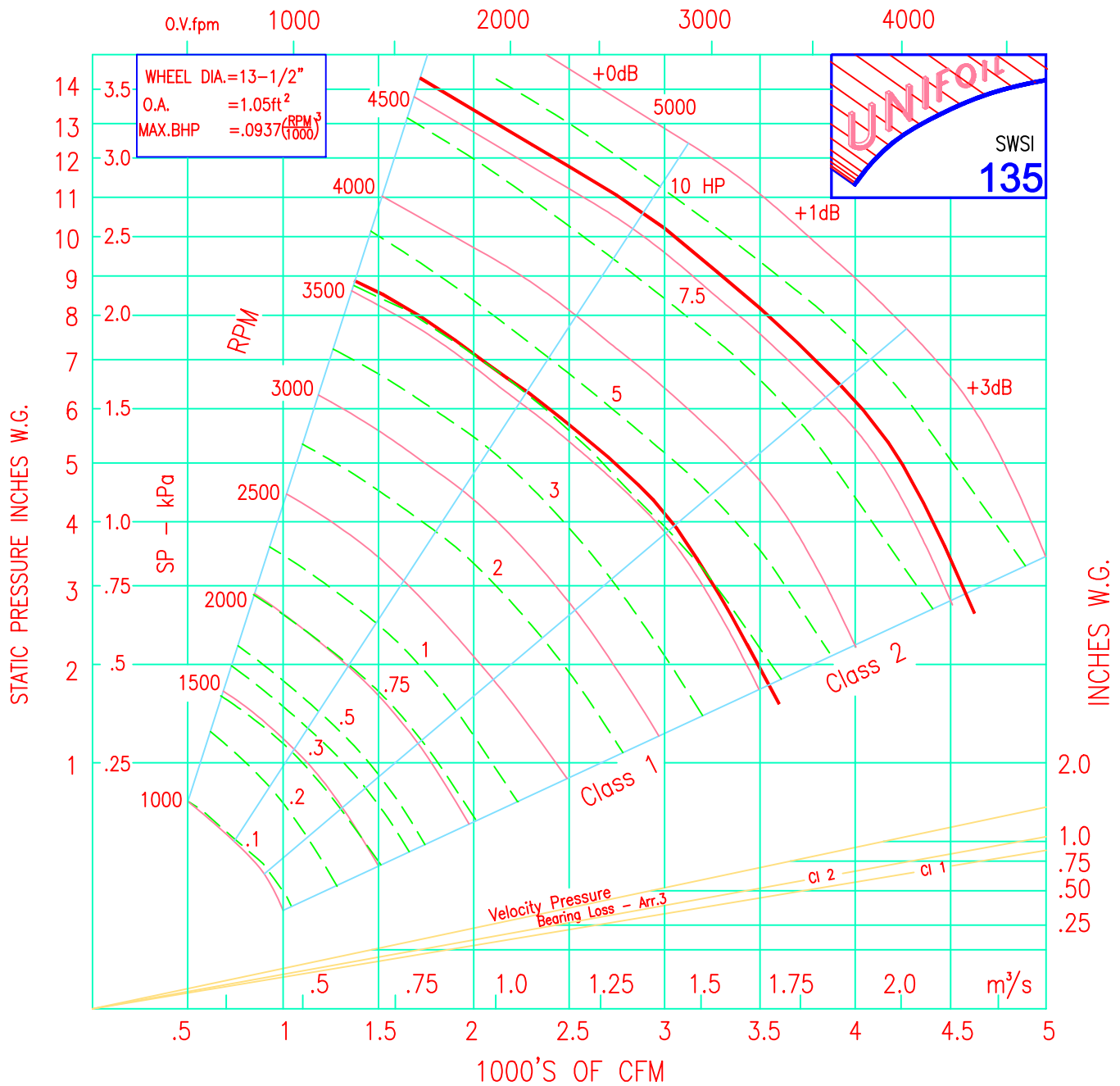
Accessories shall be provided as called for in the plans and specifications. Standard accessories include:

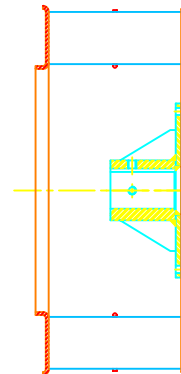
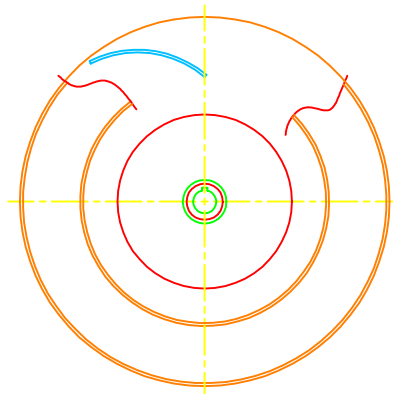
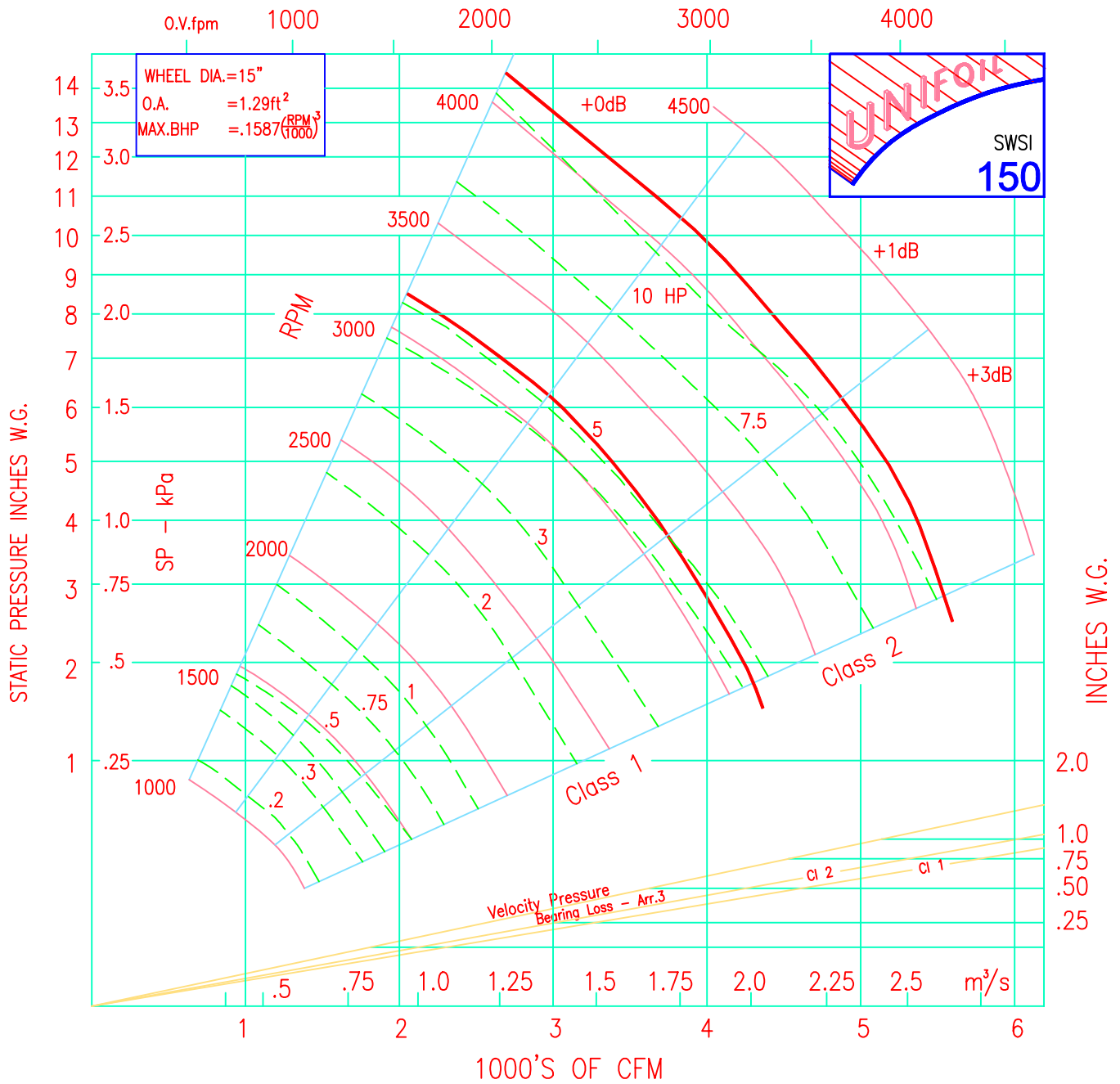
Motor to be NEMA Design B 3/60/460-575V-1800 rpm, high efficiency TEFC 1.15 SF
V-Belt Drives - Variable Speed/Constant Speed with min 1.5 SF
Belt Guard or weather cover required
Extended lubrication lines (nylon, copper or stainless steel) with fittings terminating in an accessible area.

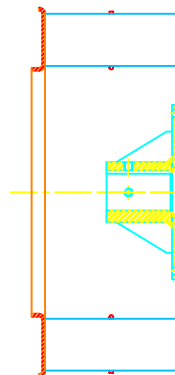
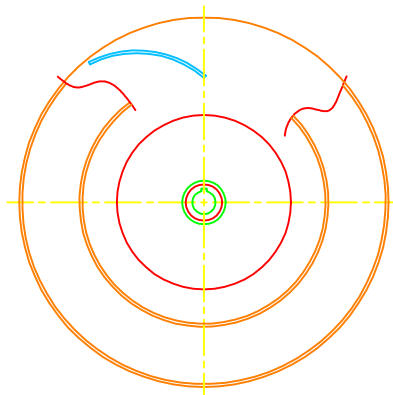
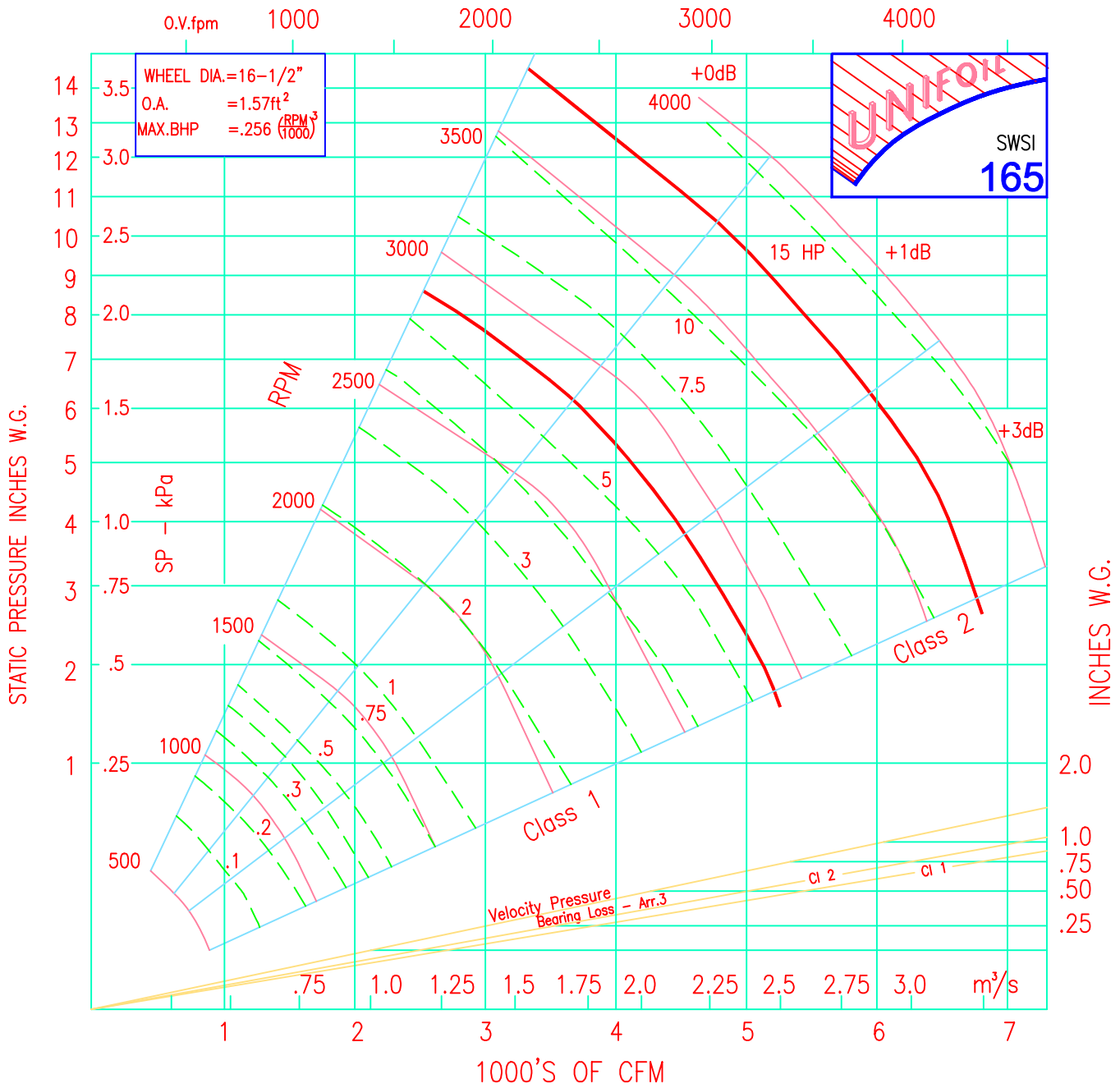
Additional Features that may be required:

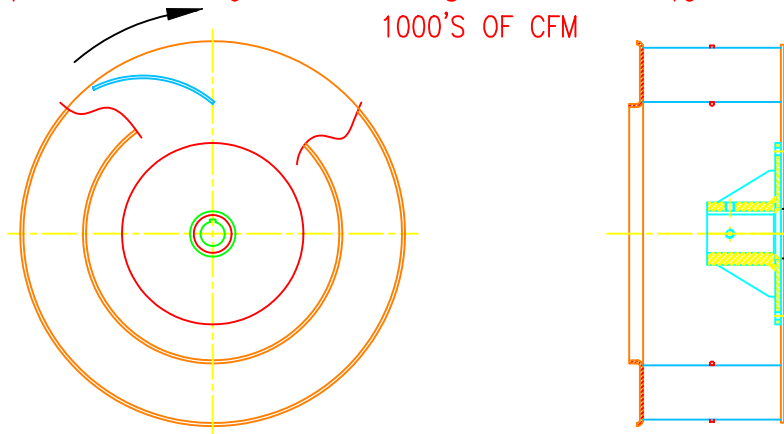
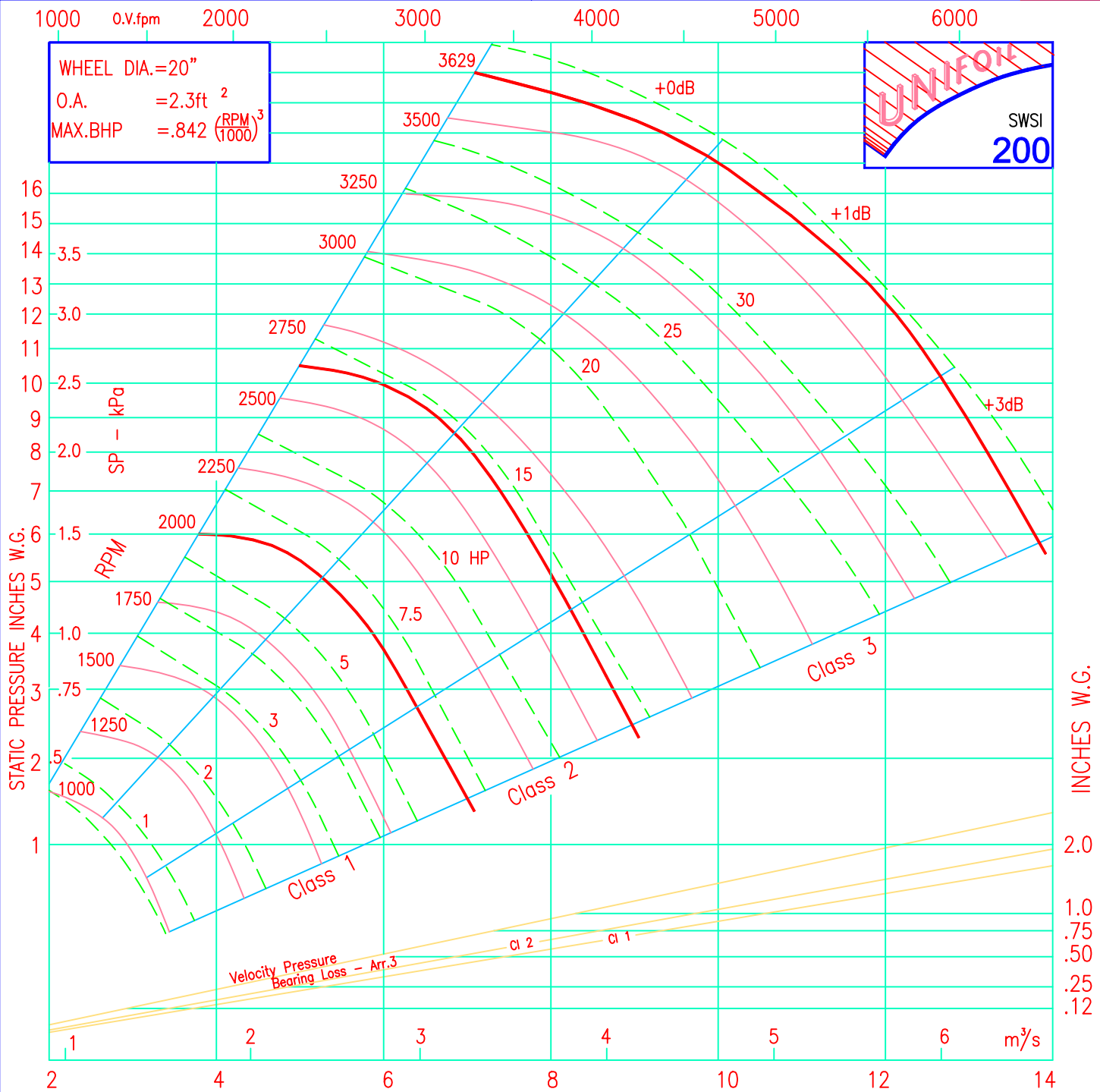
Split pillow block bearings
Access Door – bolted/quick opening or plug type with raised door
Companion Flange (angle companion flange bolted to the fan inlet or outlet flange)
Inlet or Outlet screen heavy gauge wire on 2" centres OSHA standard is also available
Above 300°F, Shaft cooling wheel required
Above 500°F, high temperature aluminum paint required
Above 800°F, stainless steel rotor is required
Above 1000°F, custom design is available
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



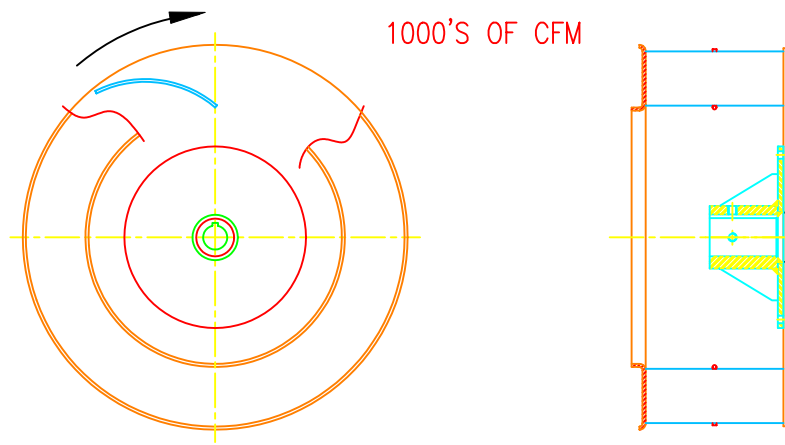
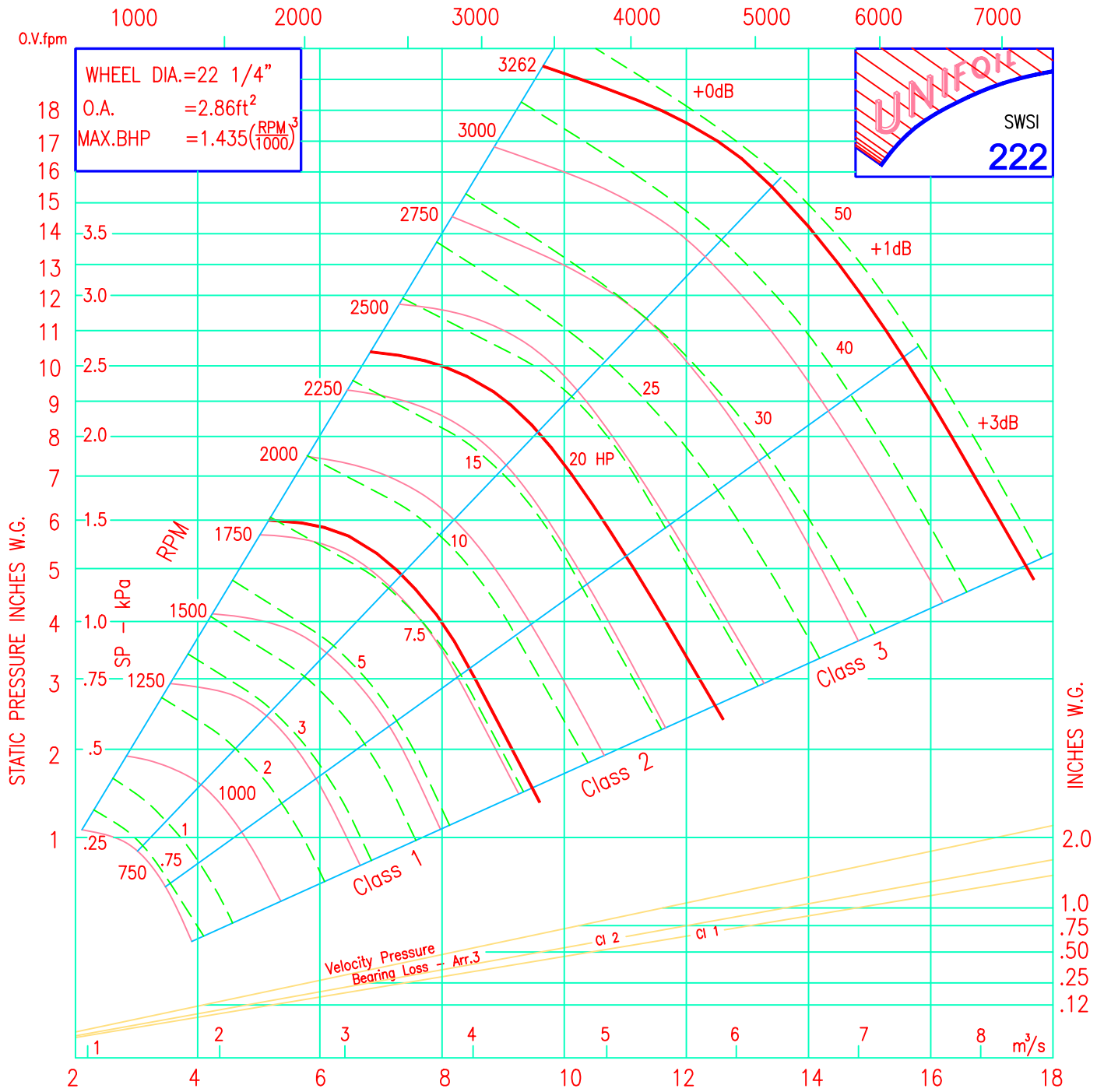




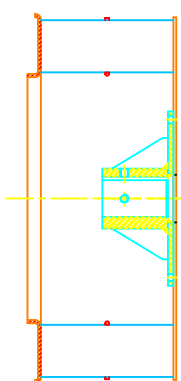
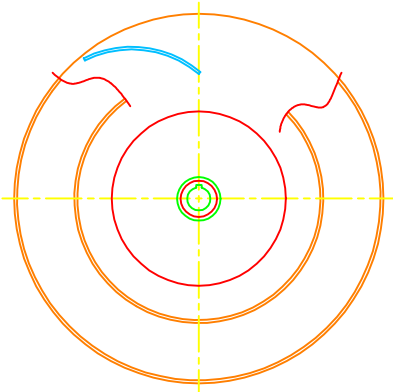
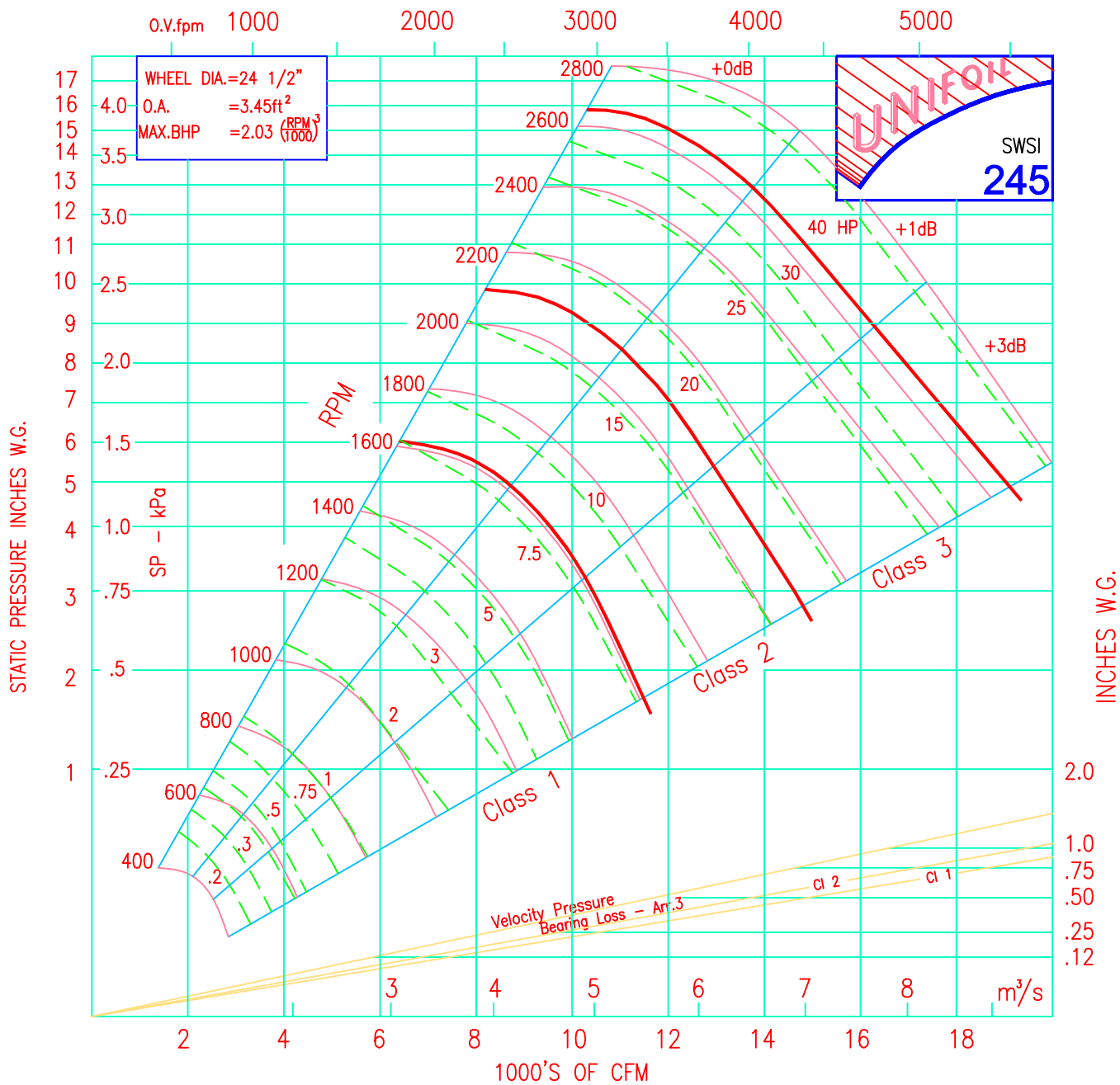


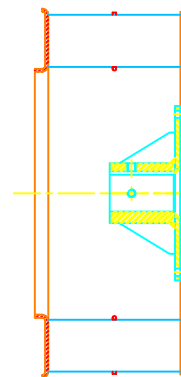
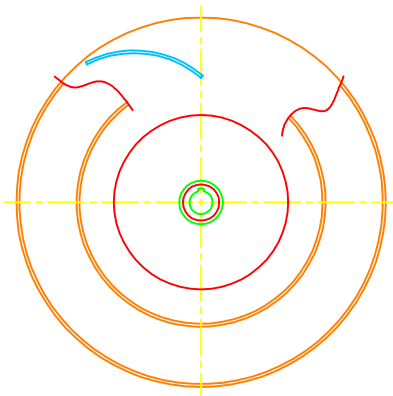
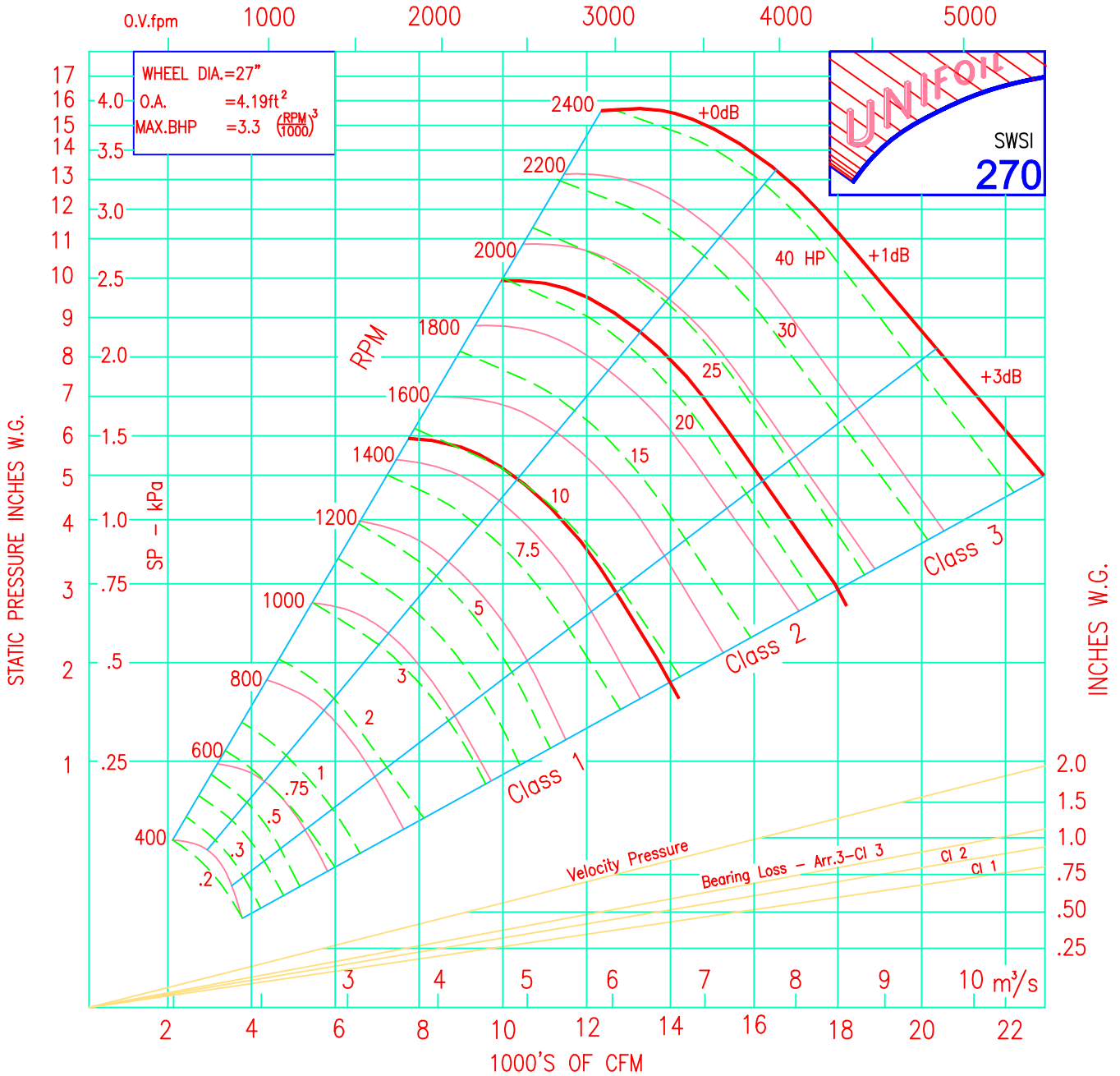


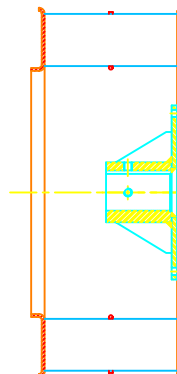
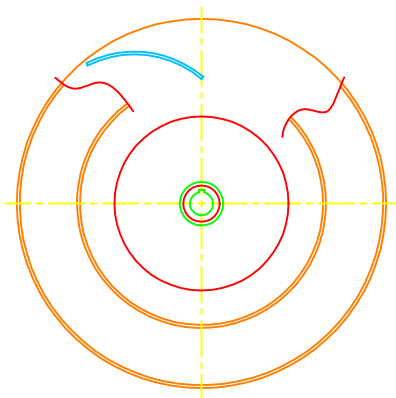
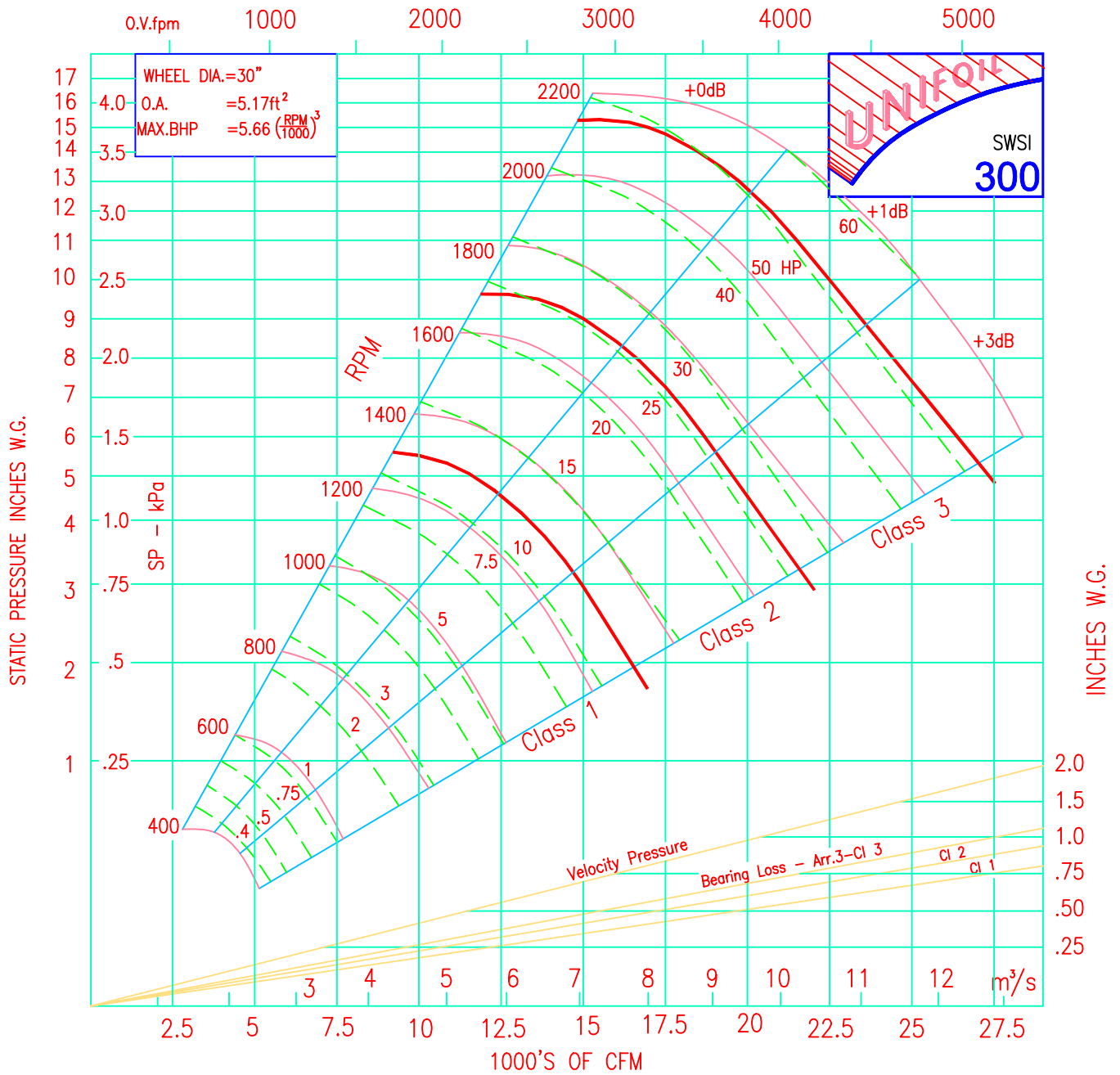
"COUNTER CLOCK WISE" WHEEL SHOWN

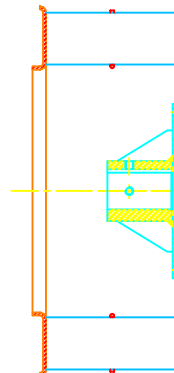
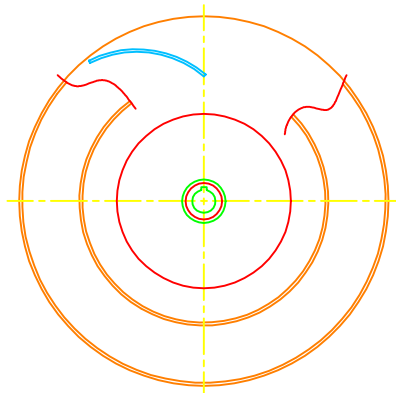
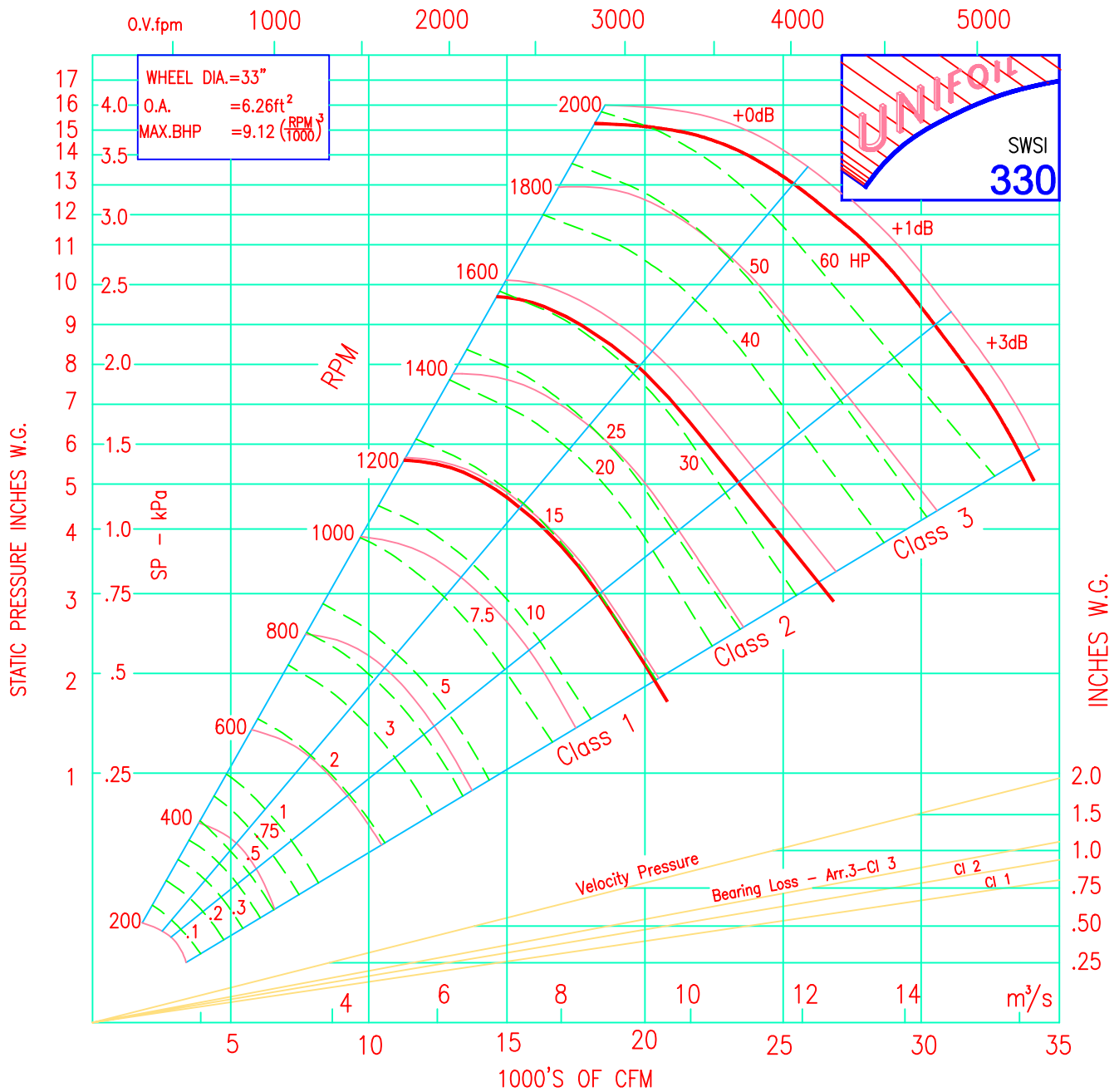


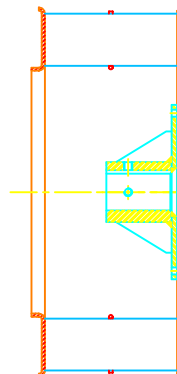
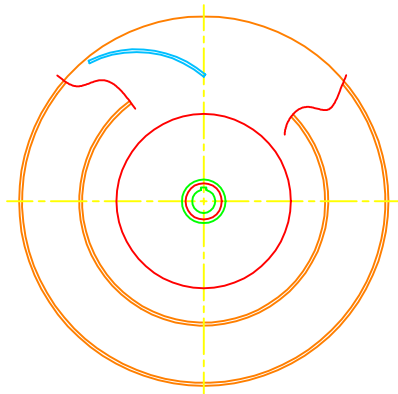
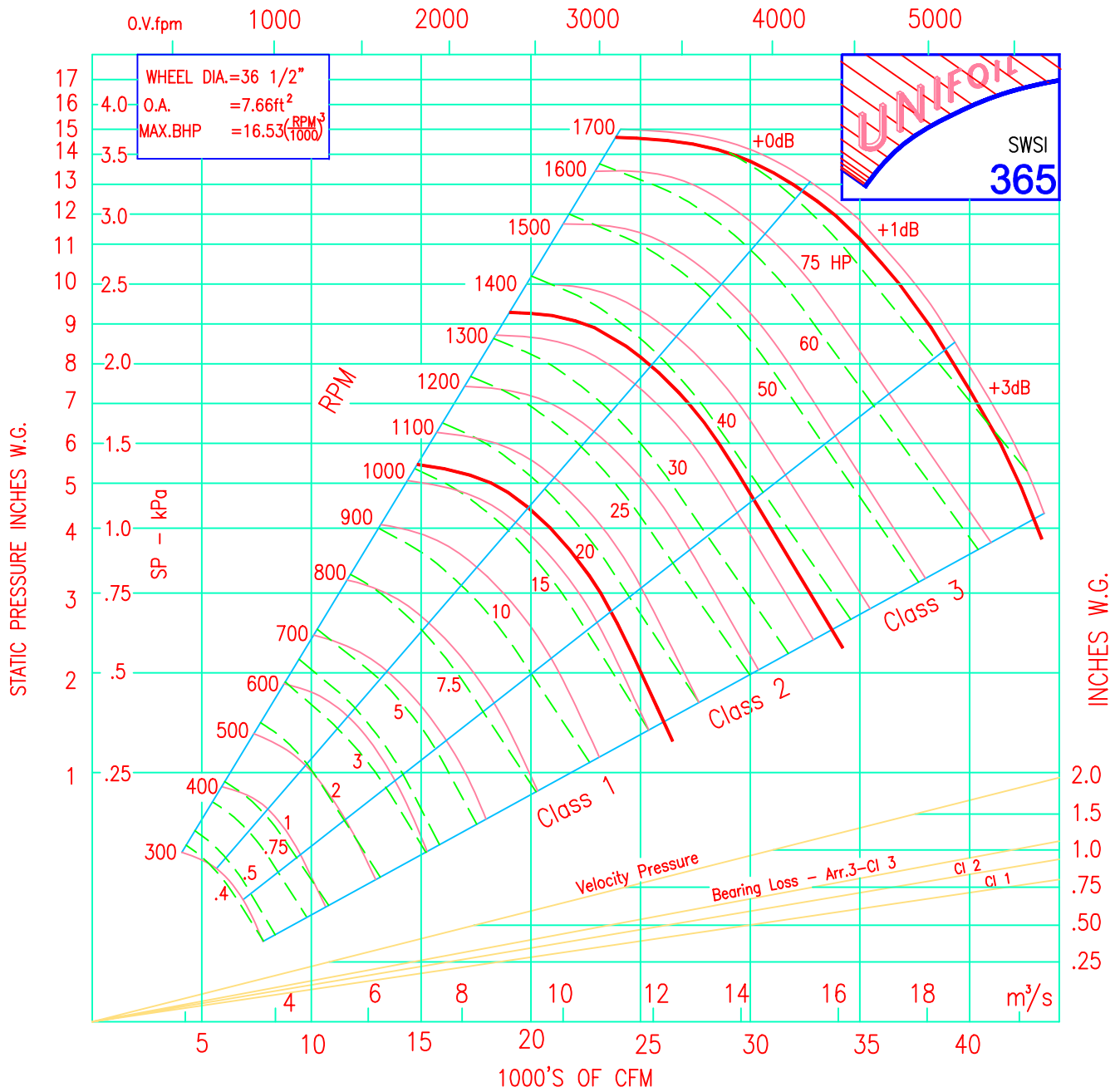
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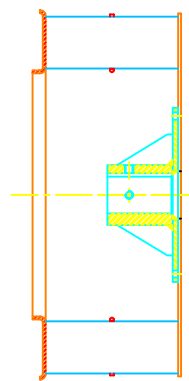
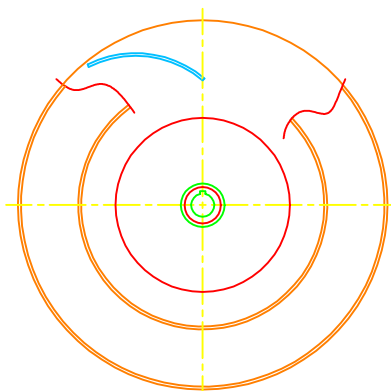
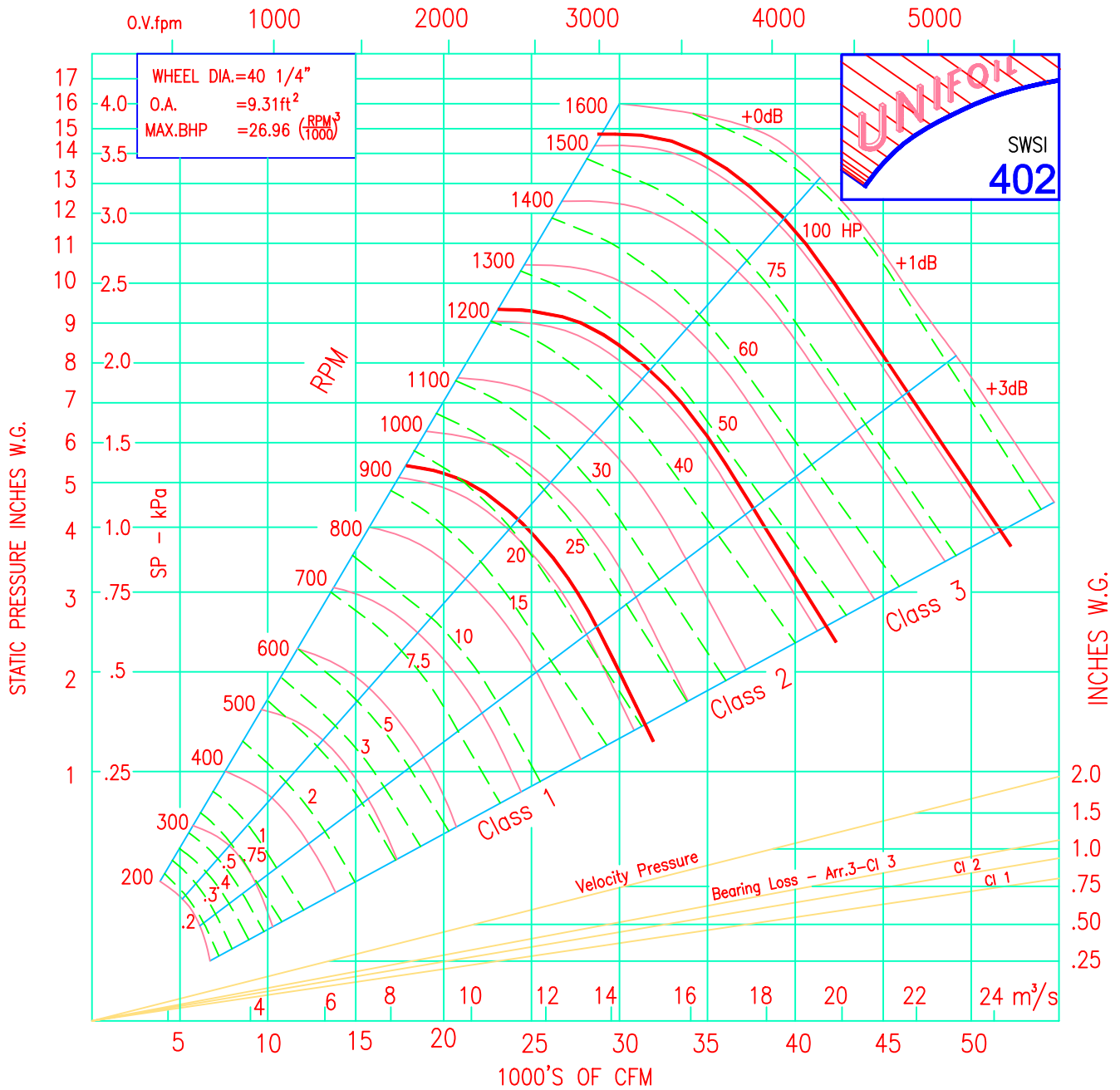


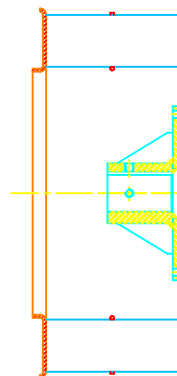
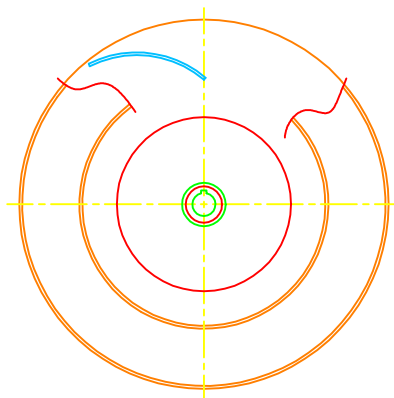
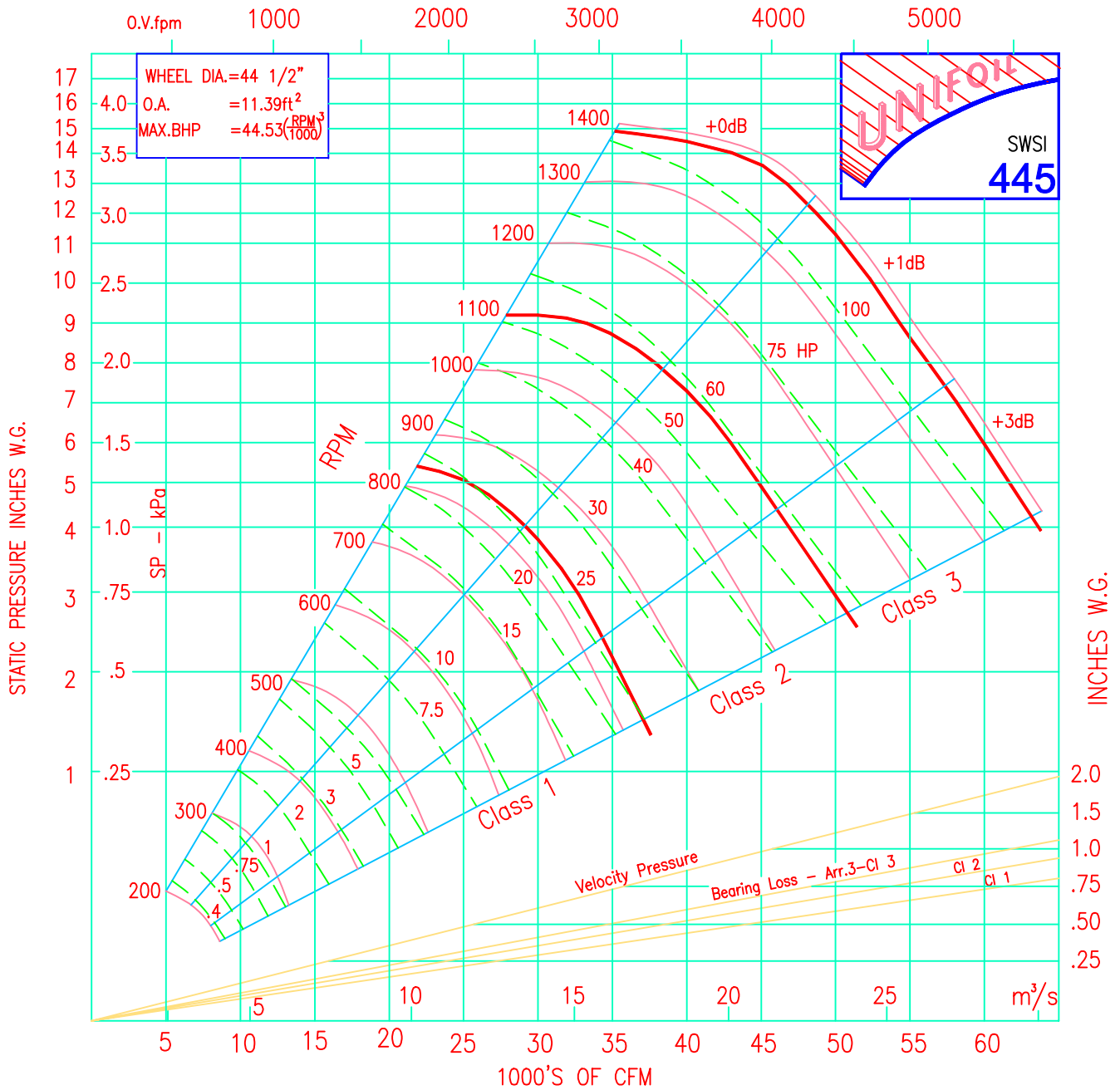


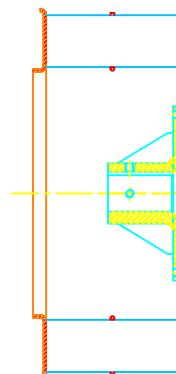
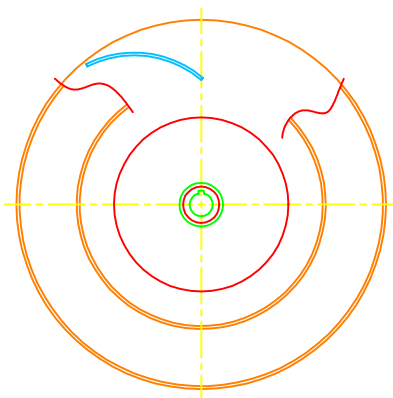
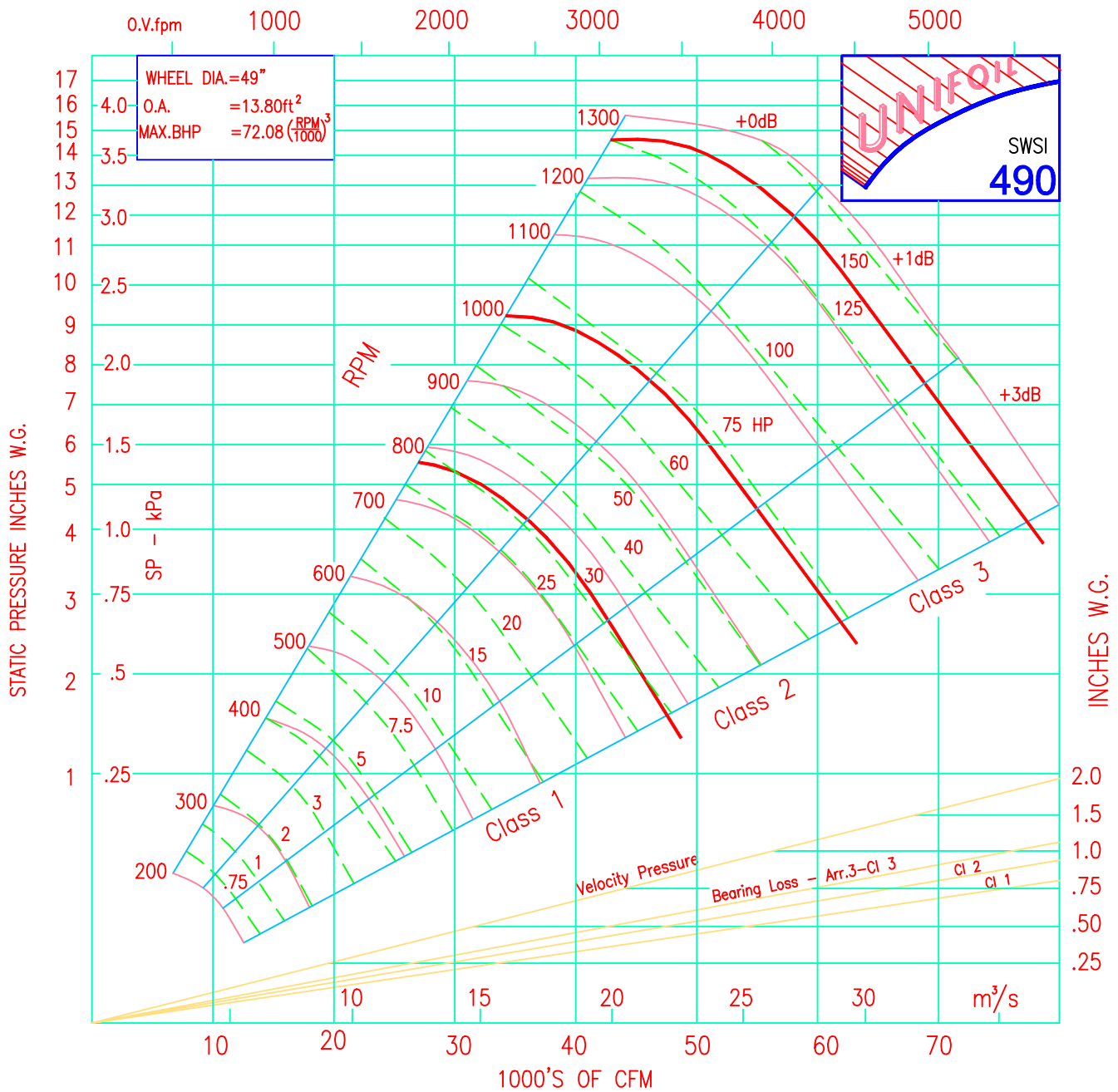


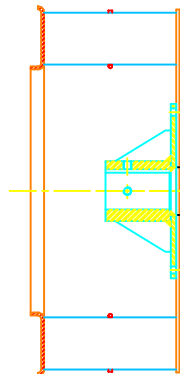
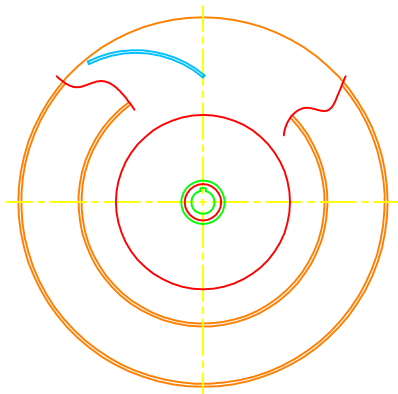
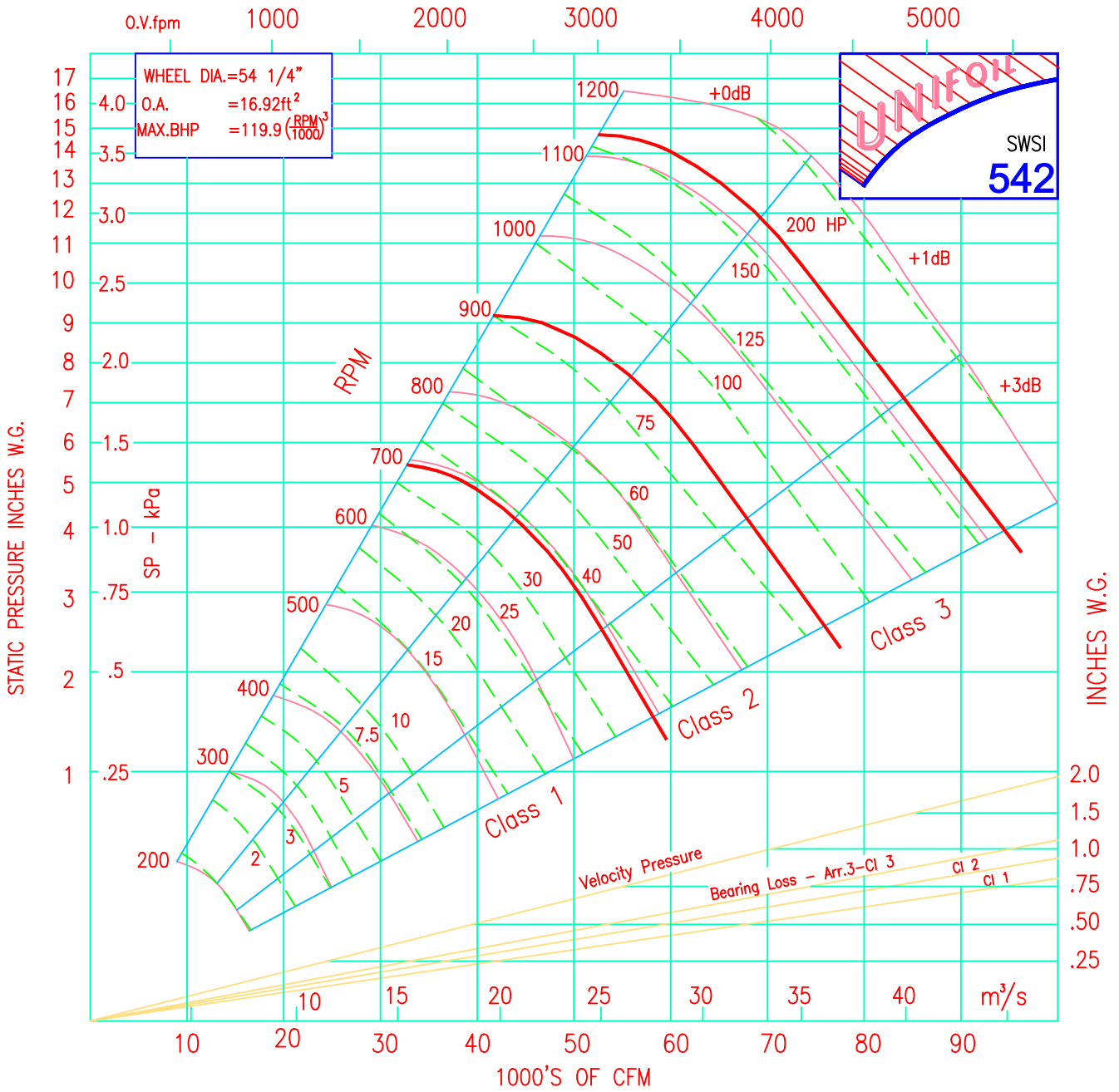


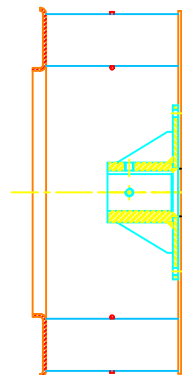
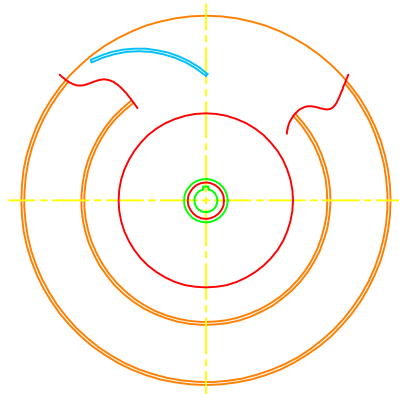
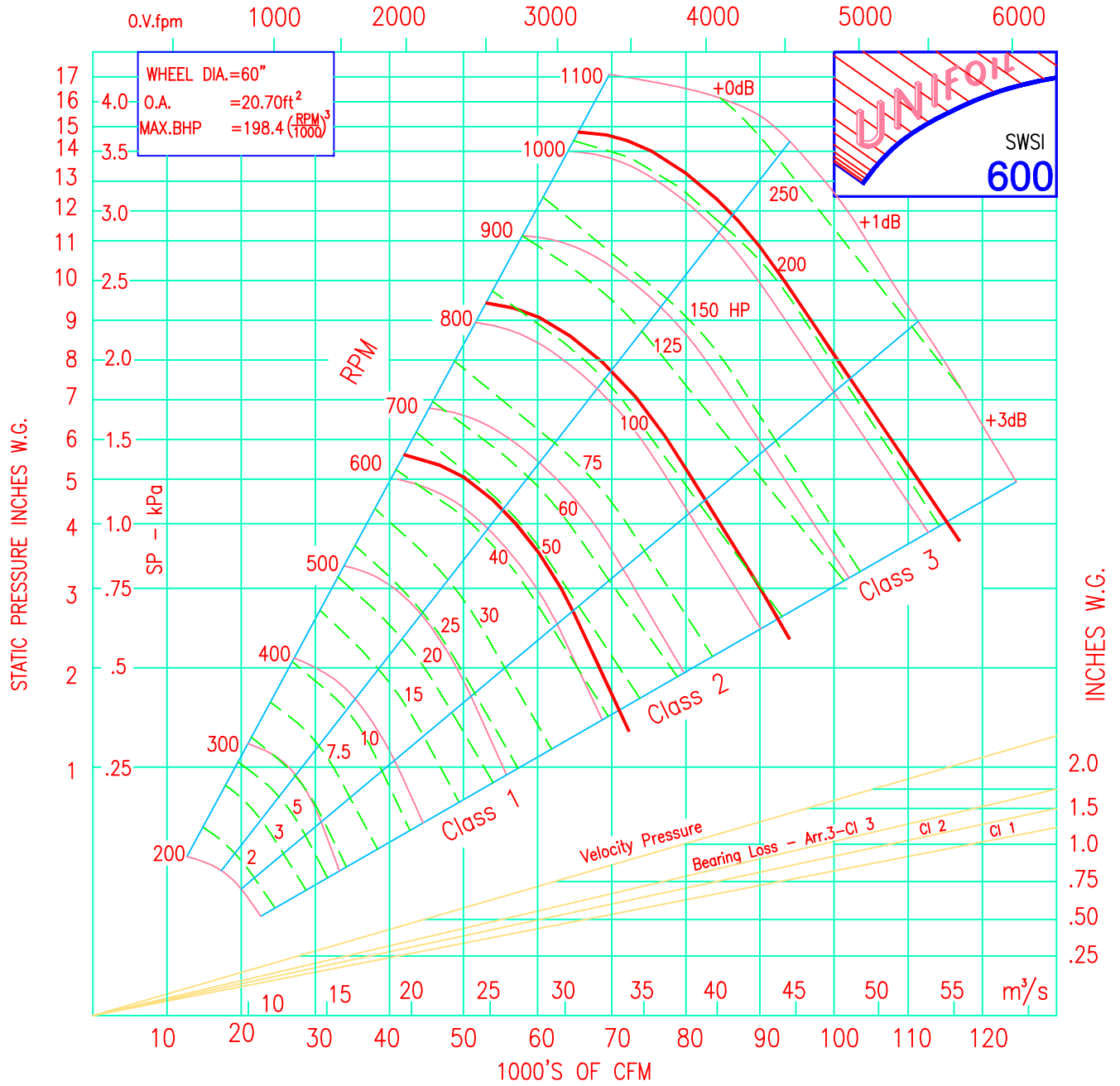


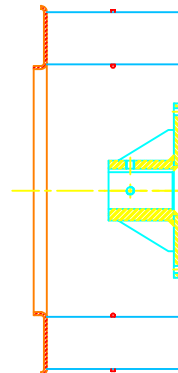
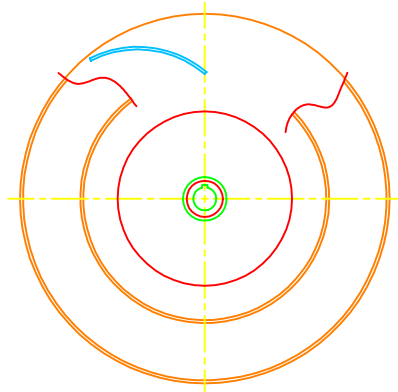
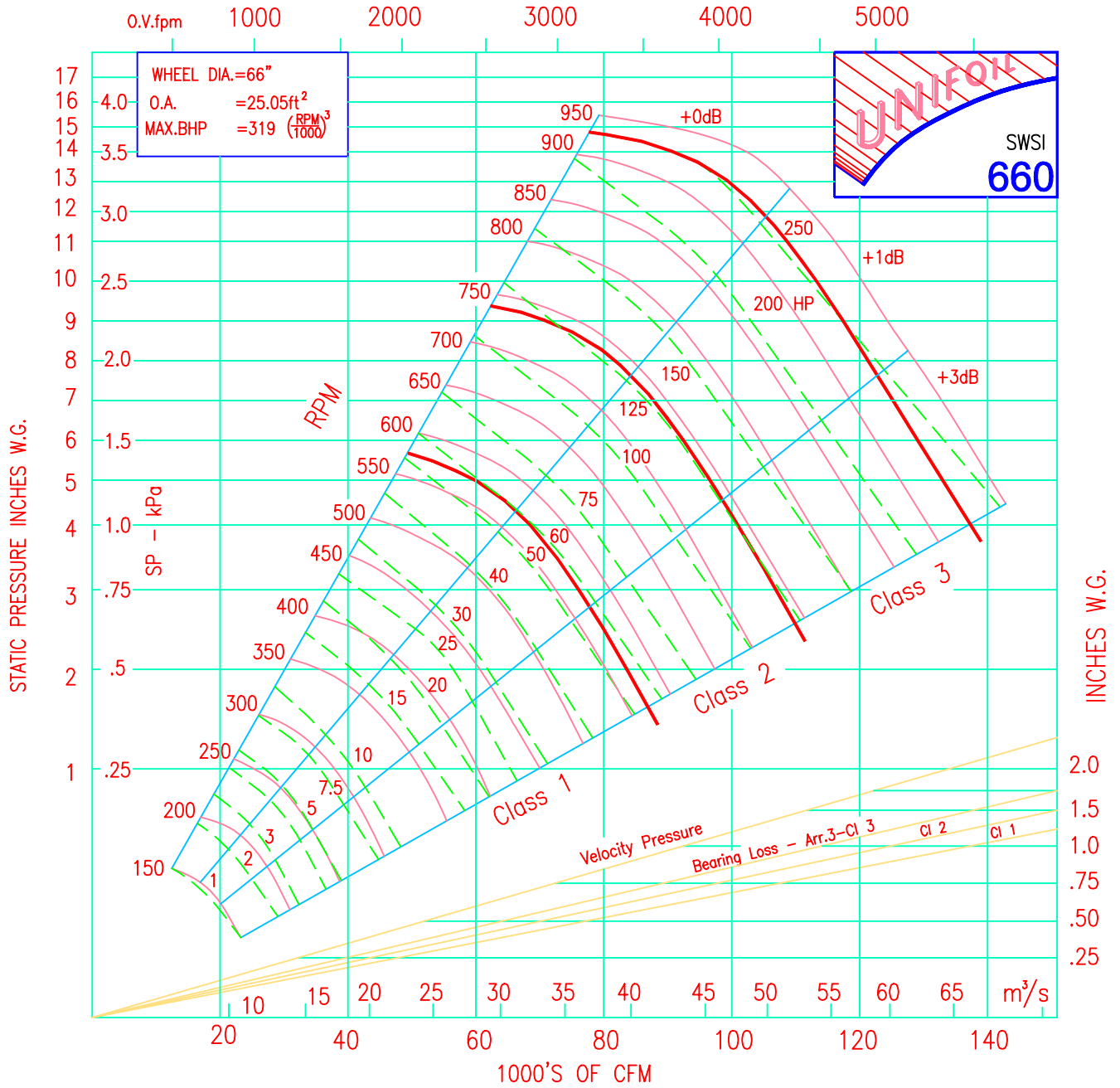


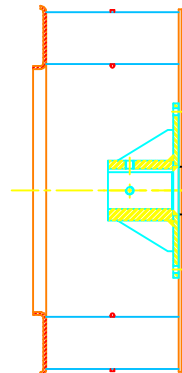
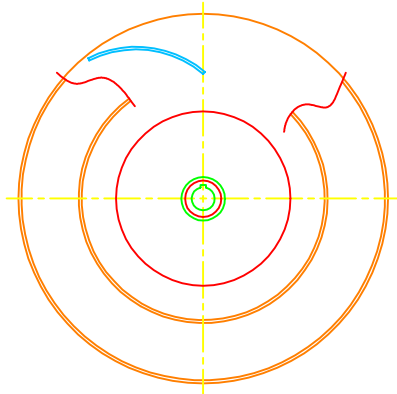
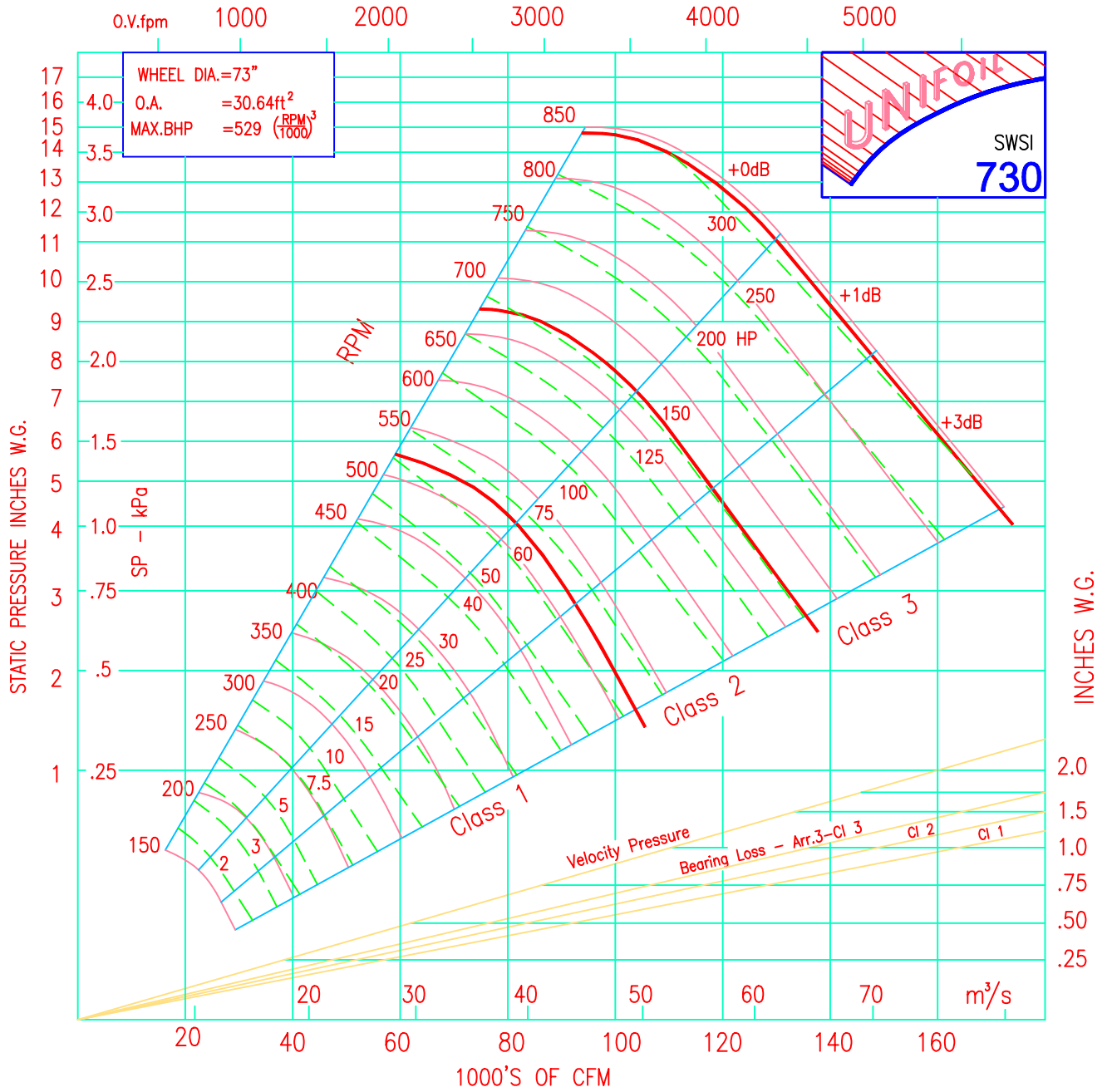


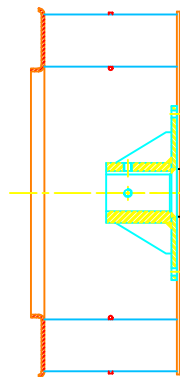
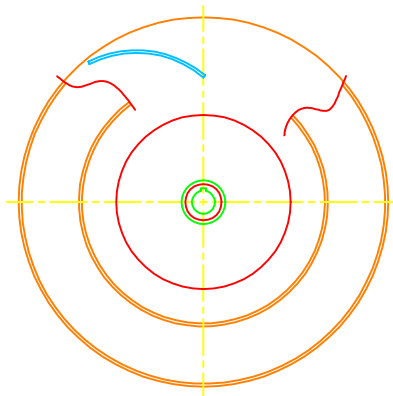
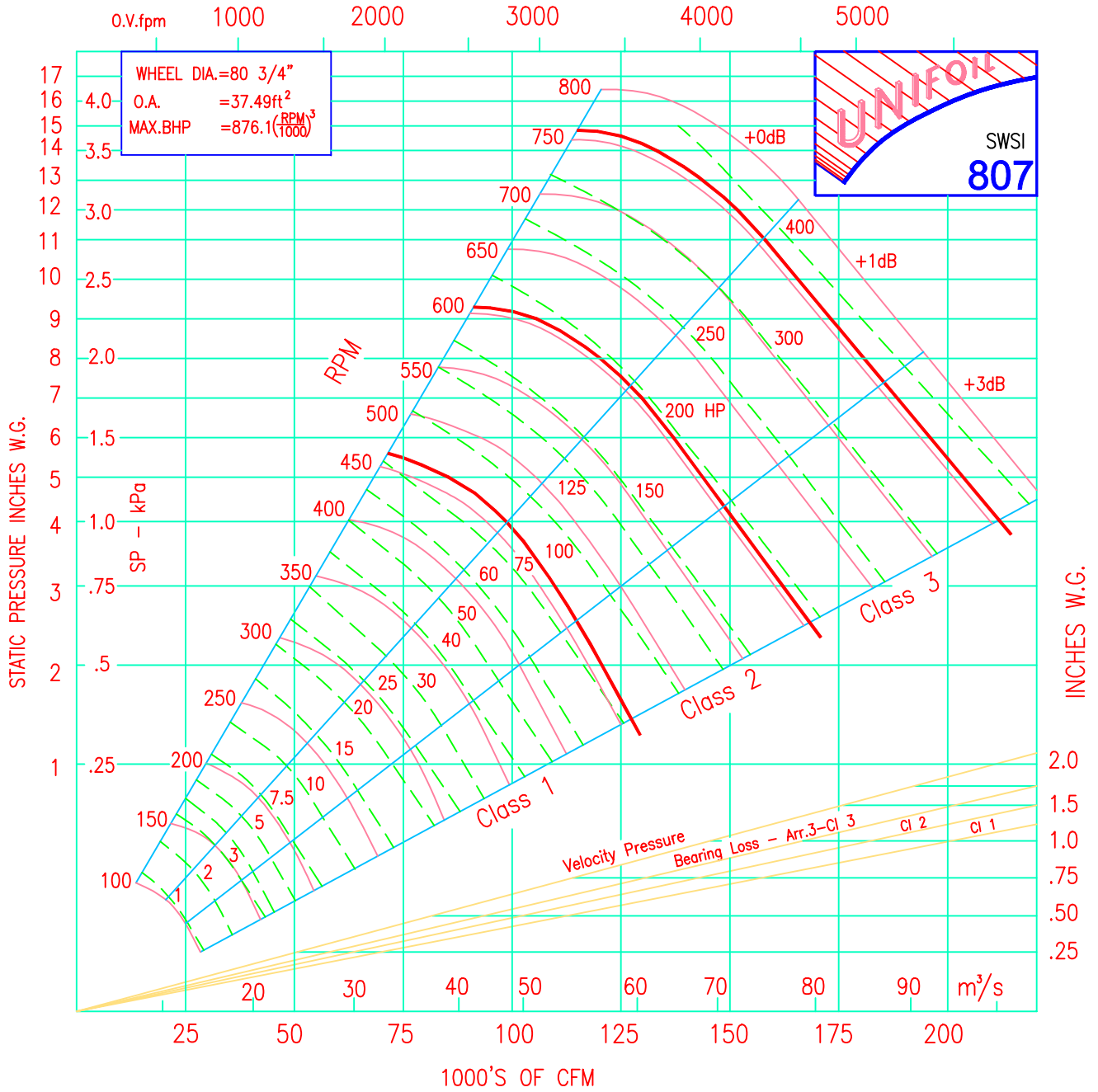


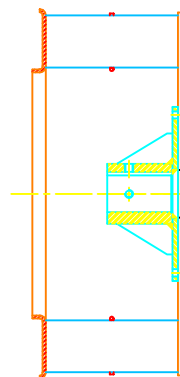
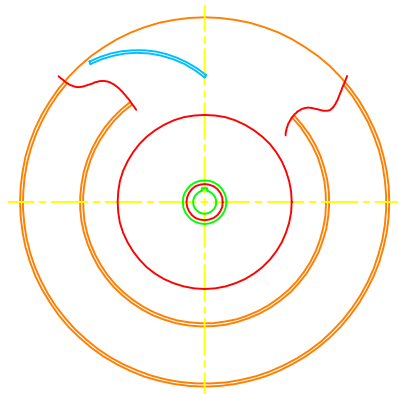
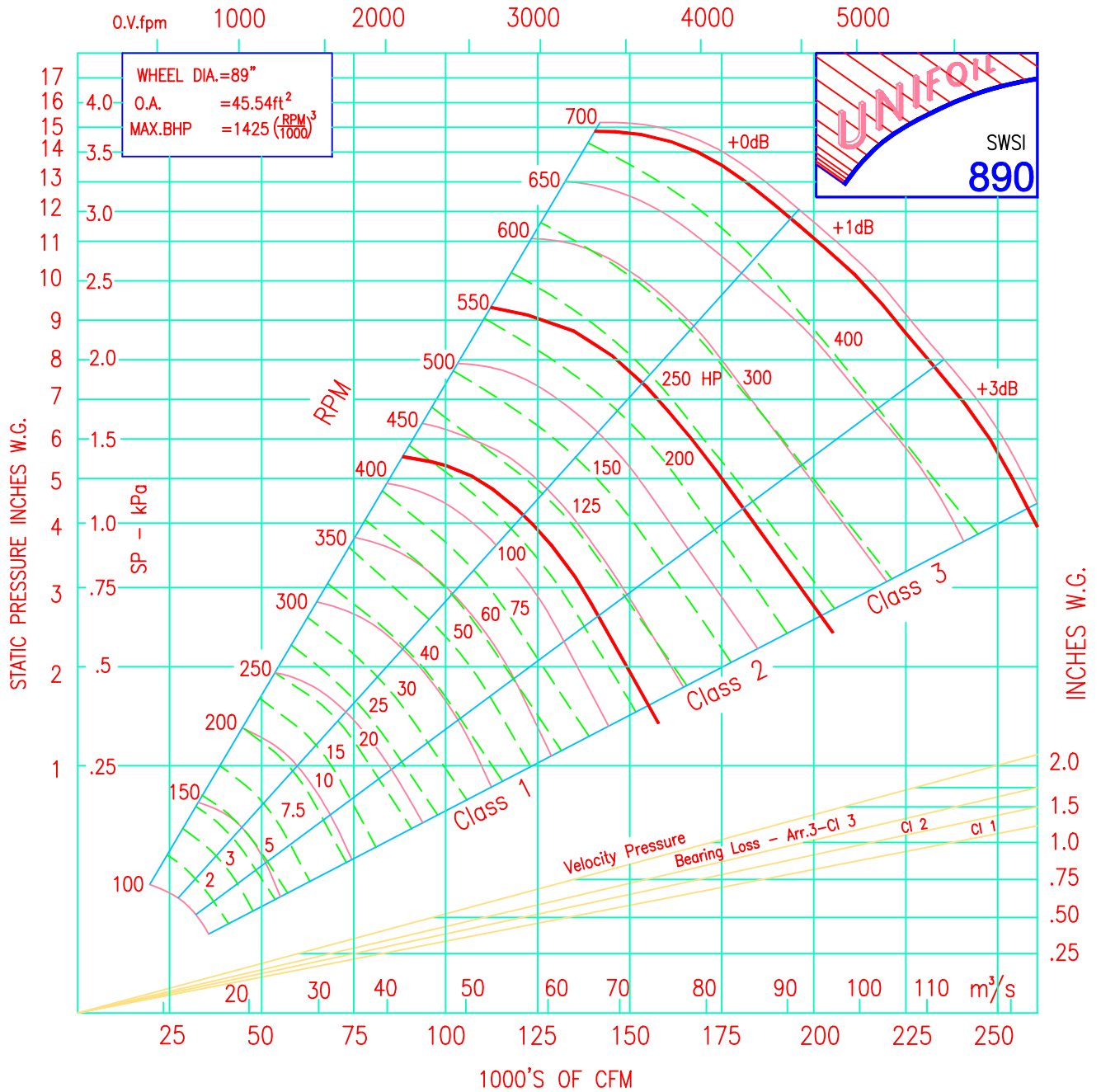


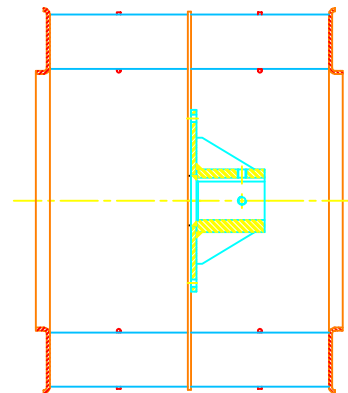
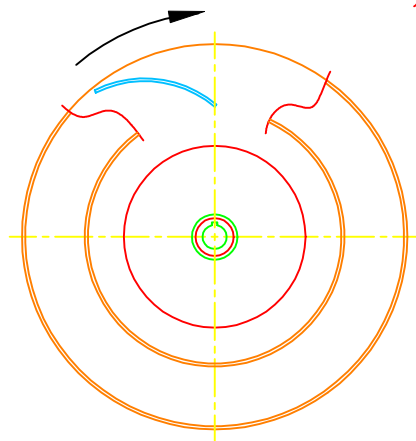
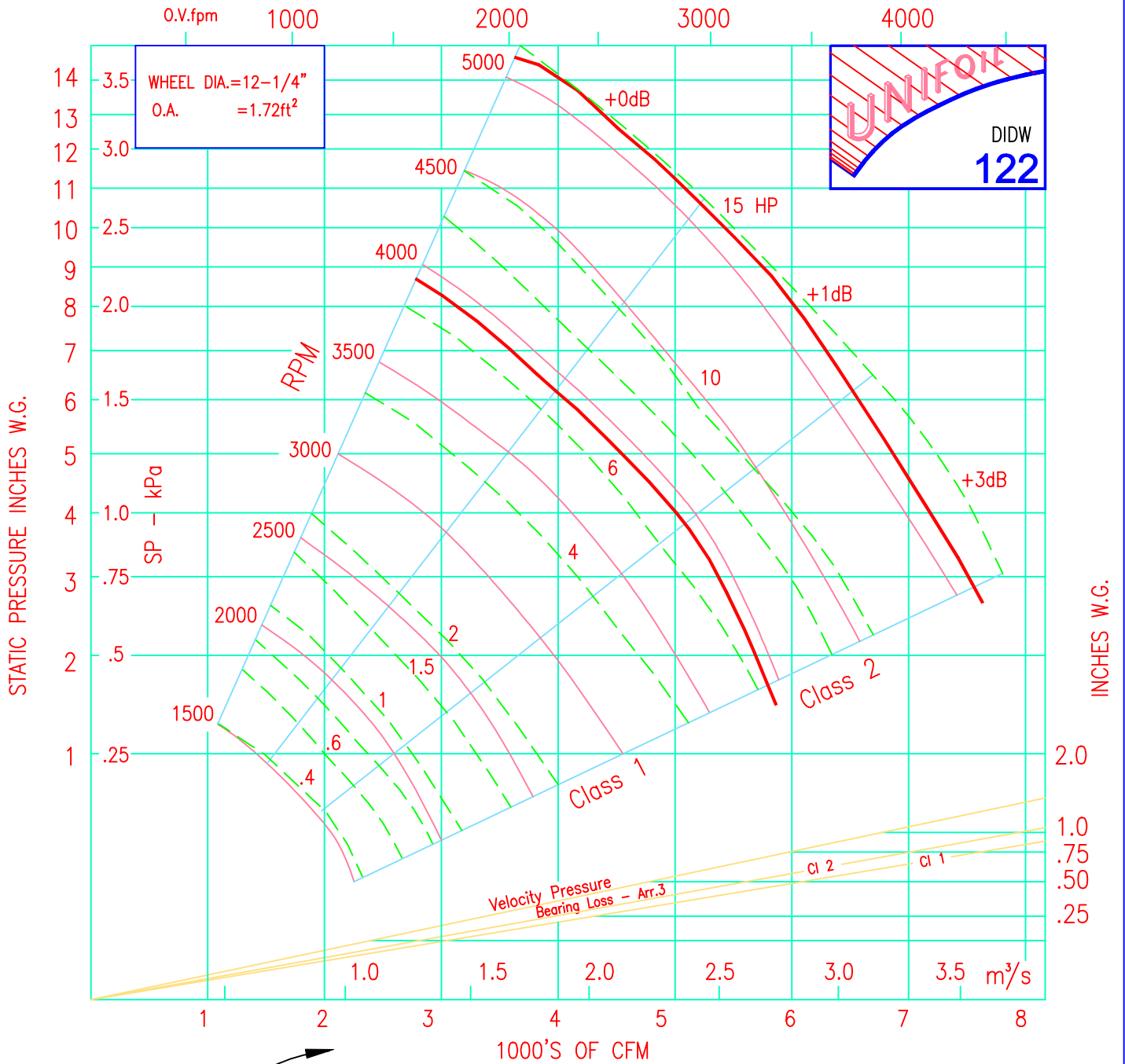




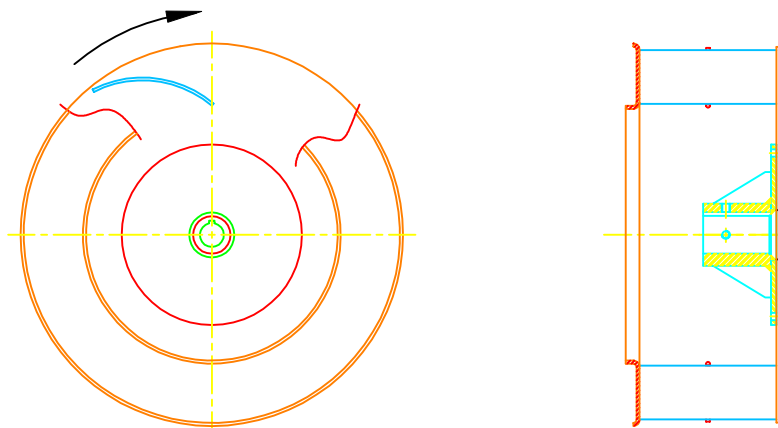
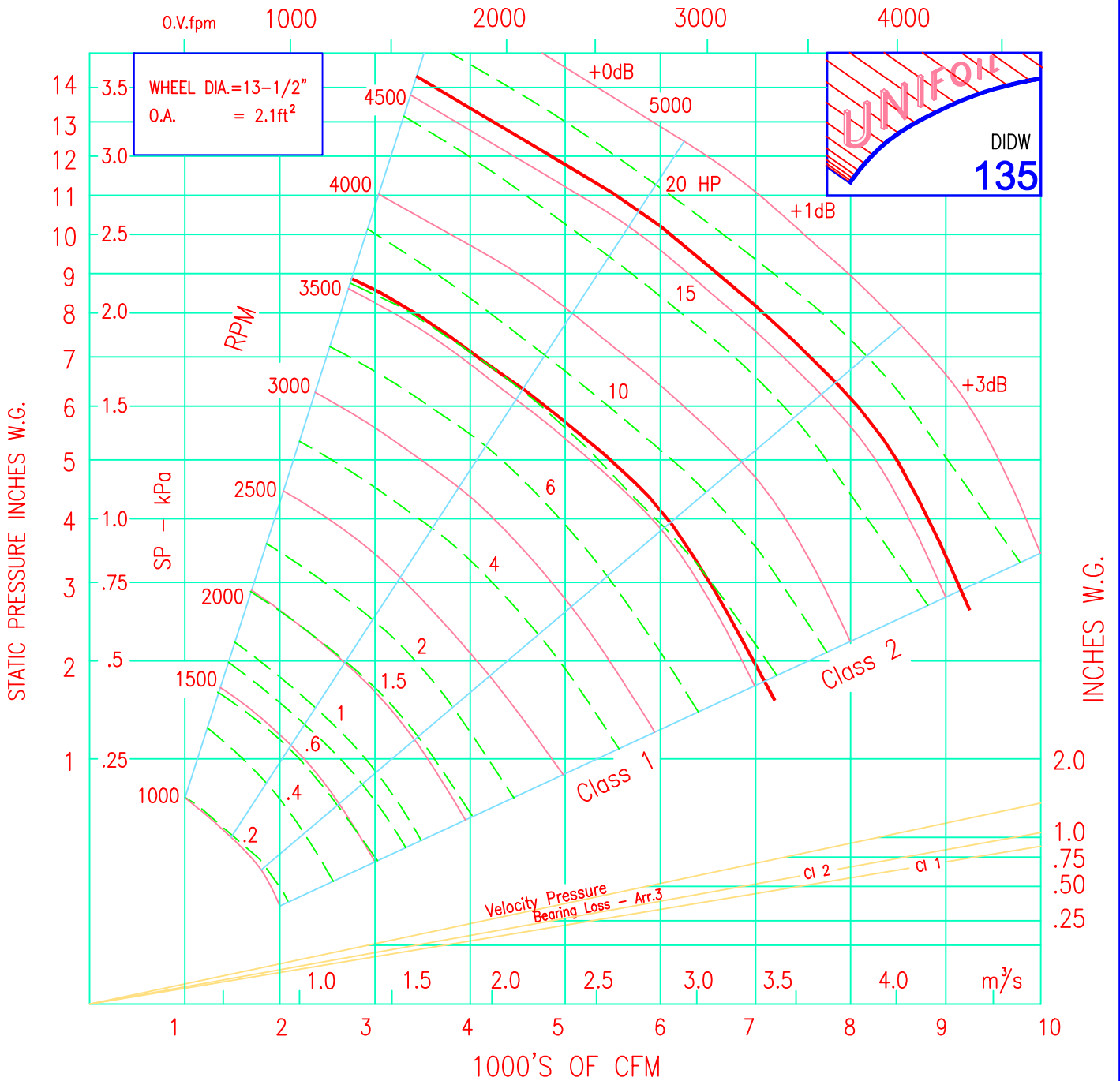




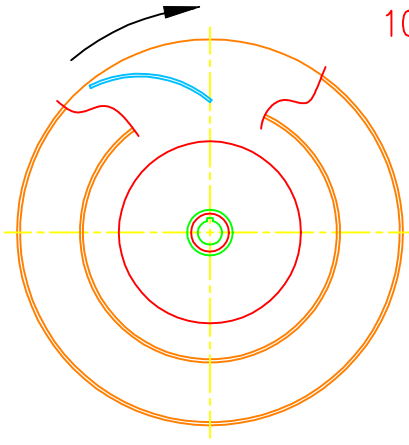
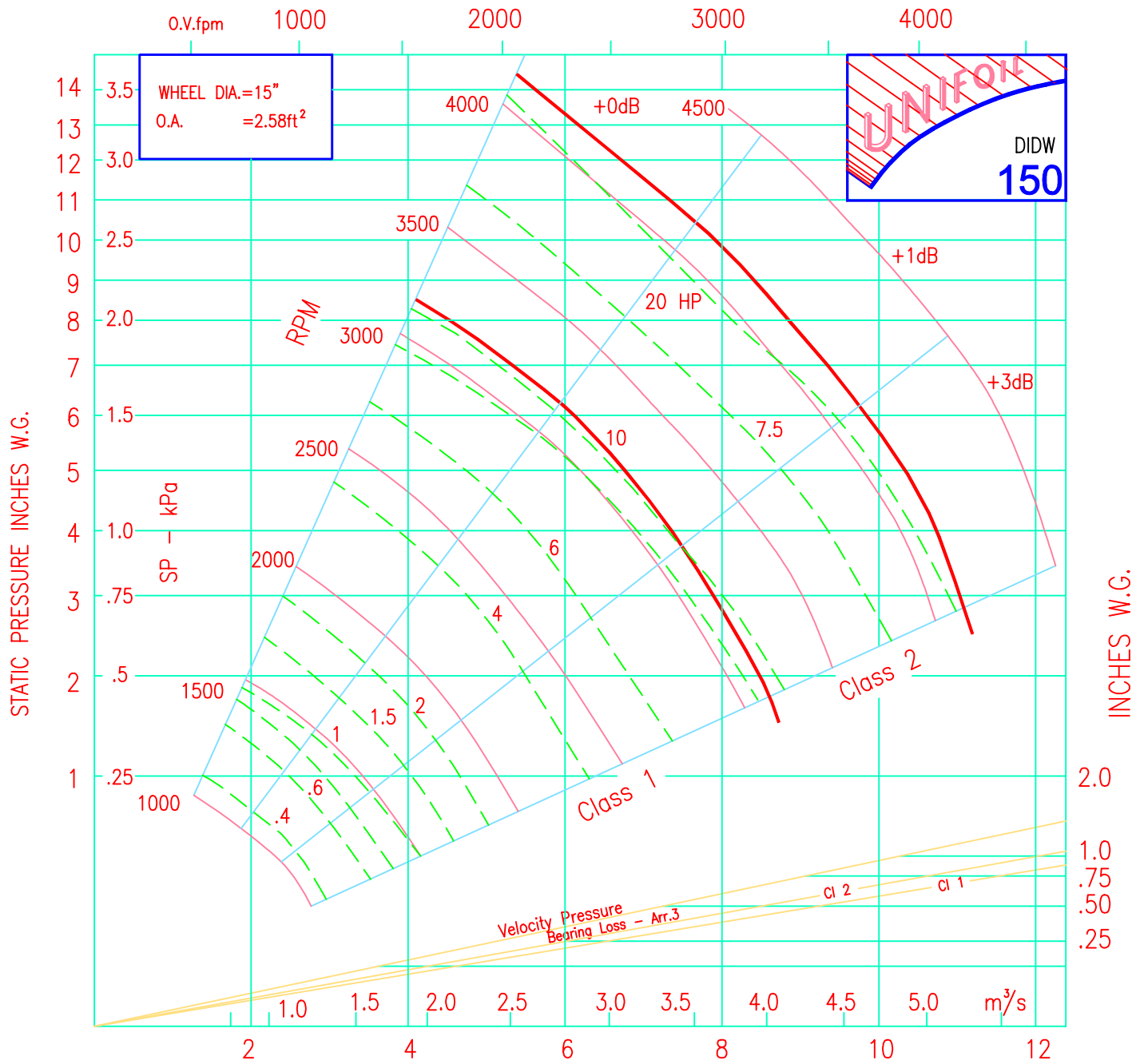




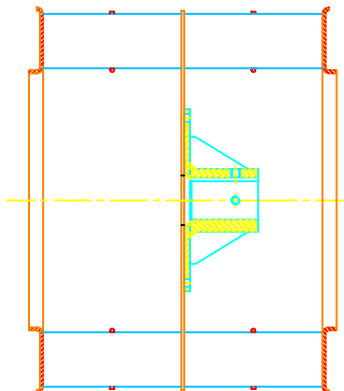
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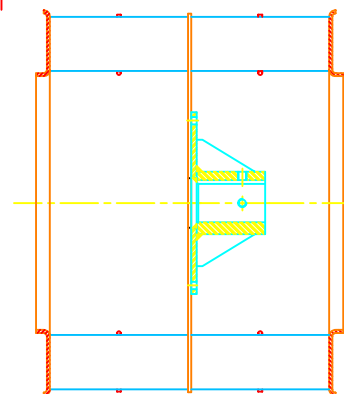
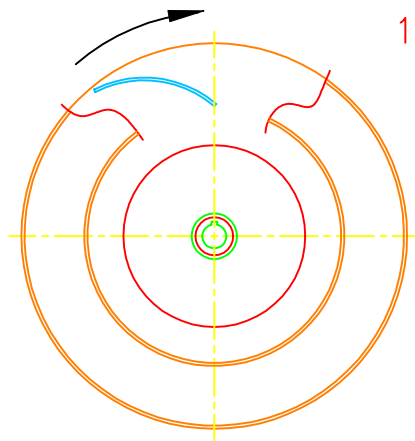
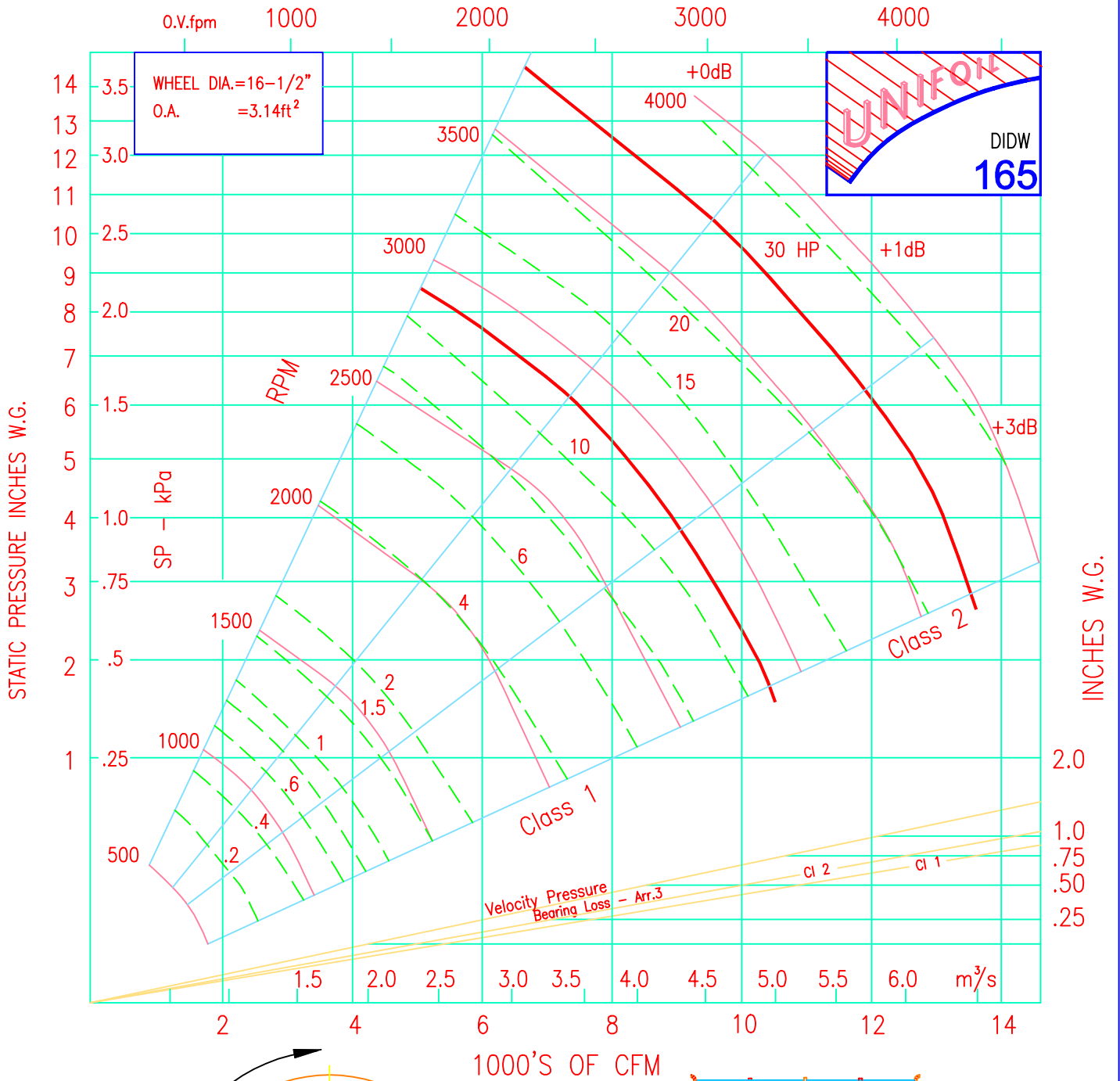
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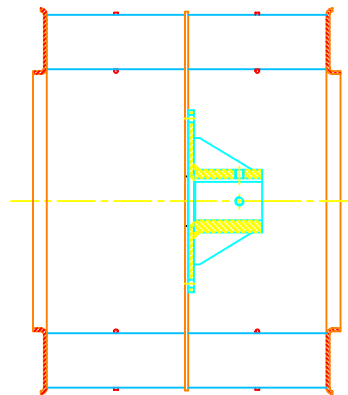
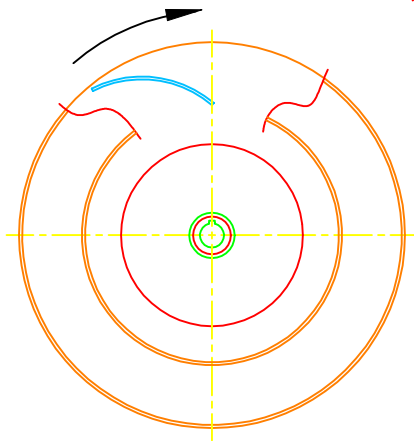
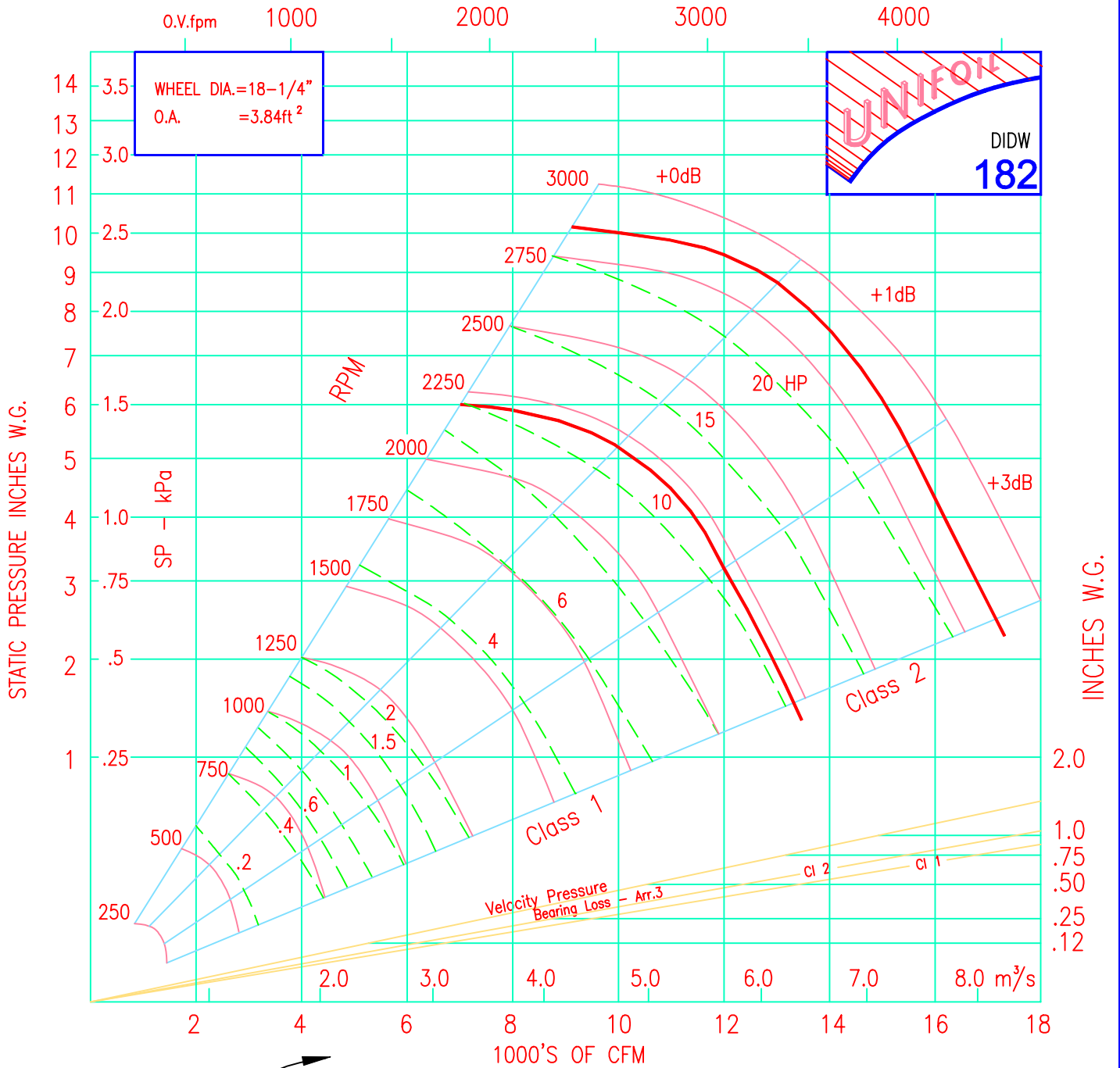
1000'S OF CFM



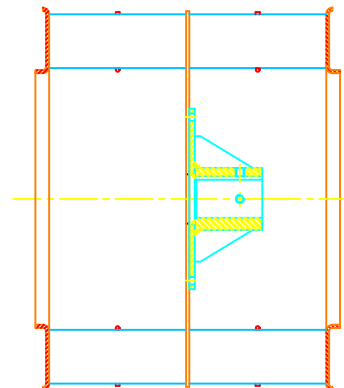
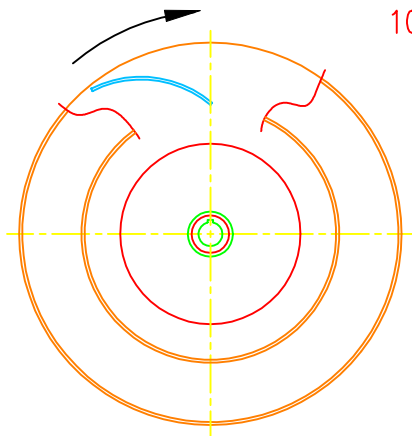
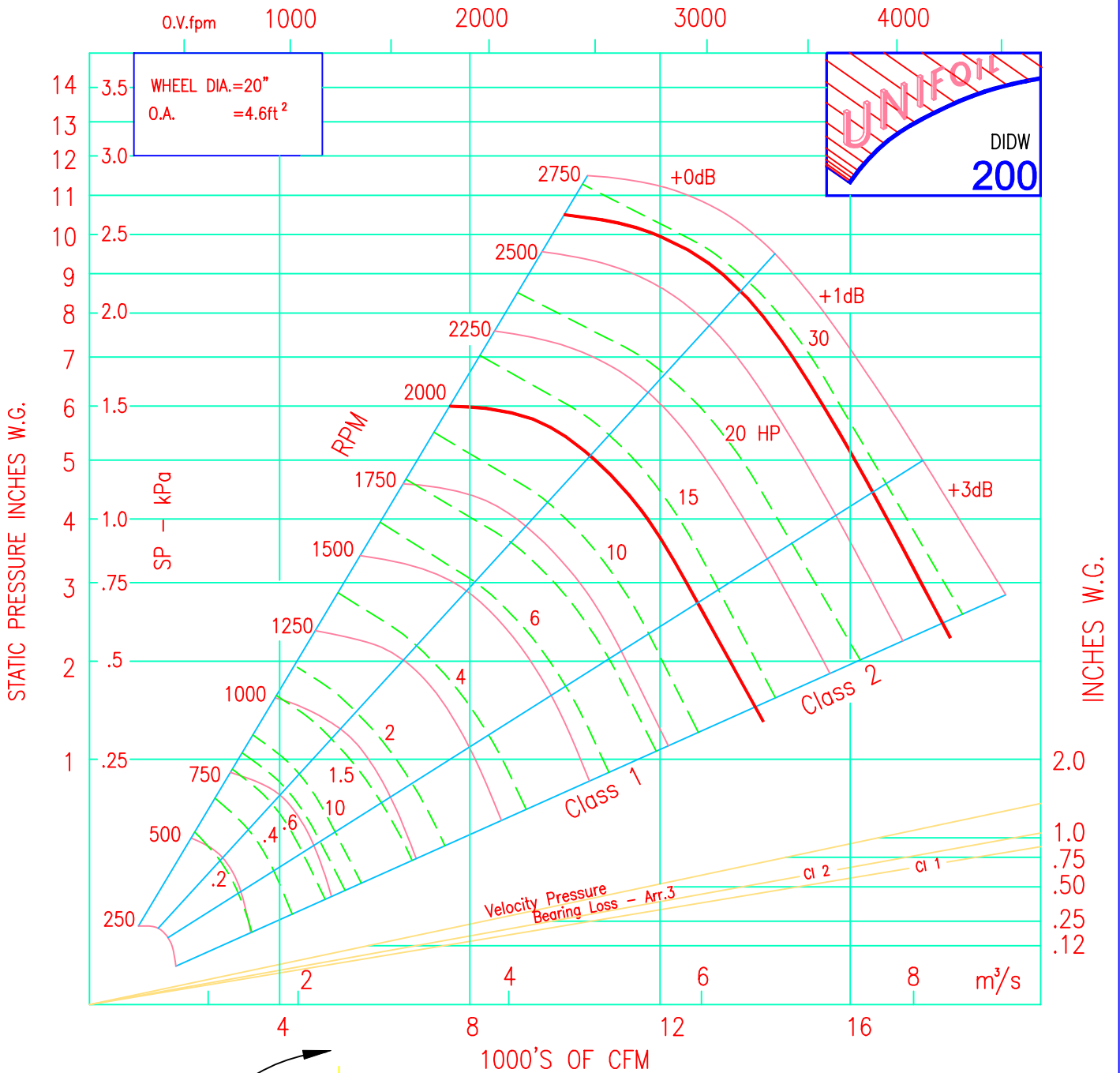
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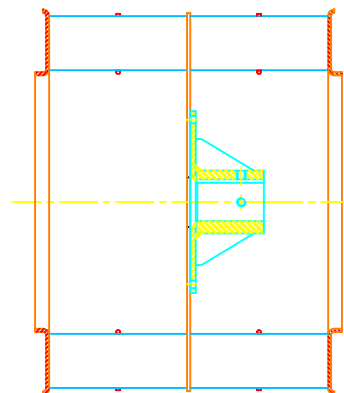
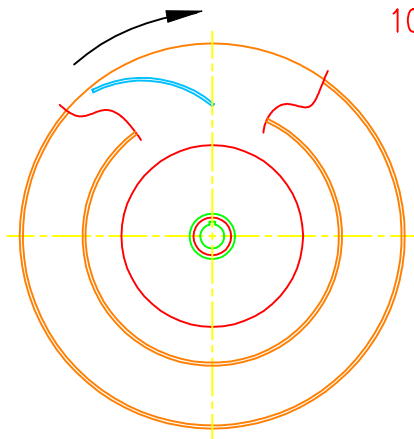
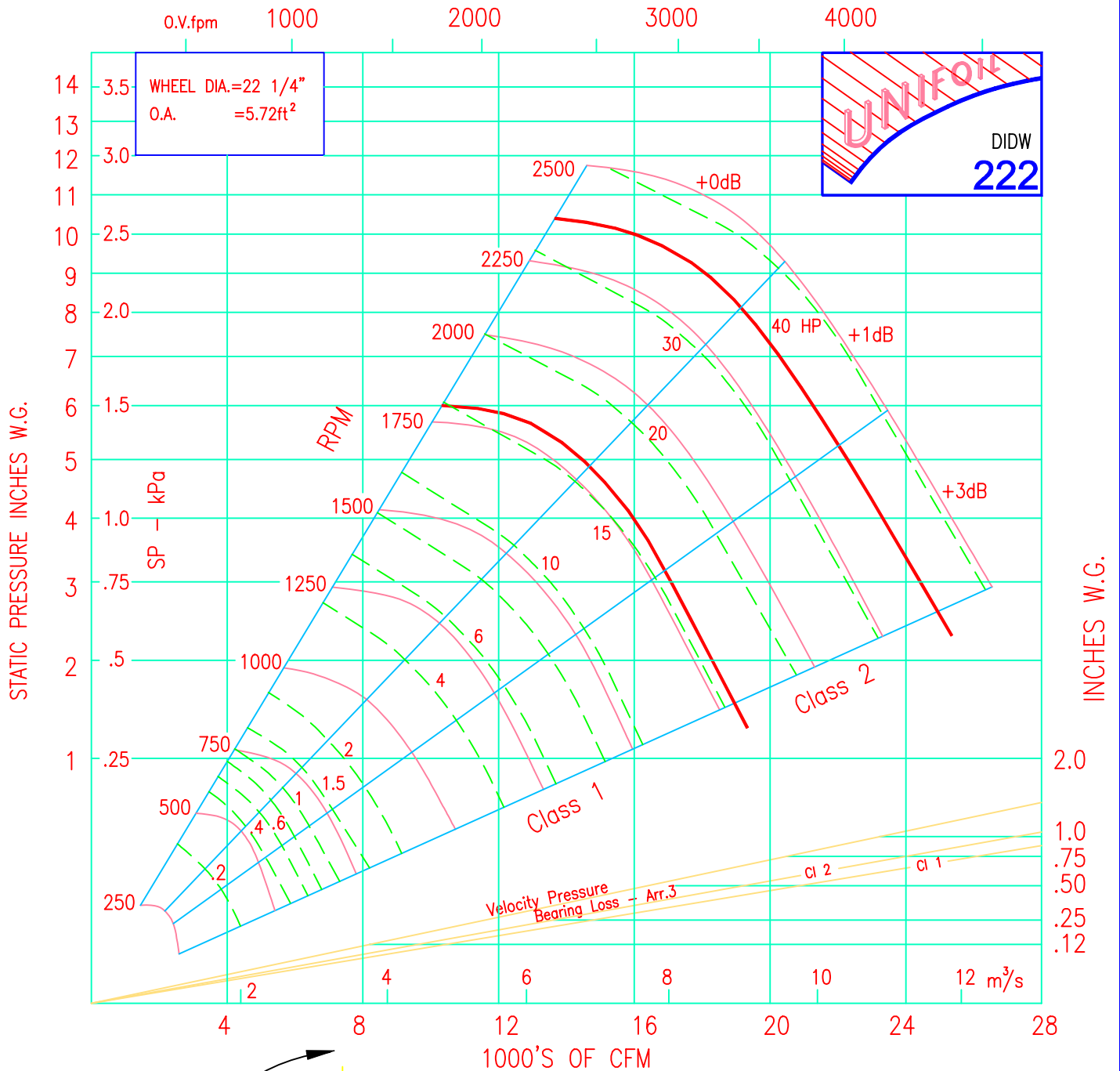
"CLOCK WISE" WHEEL SHOWN



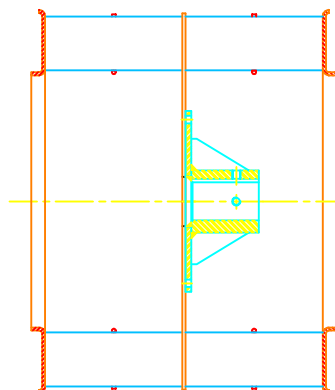
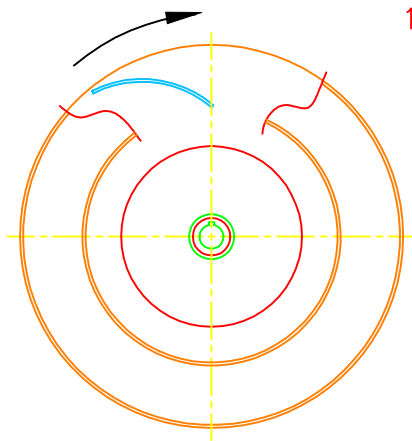
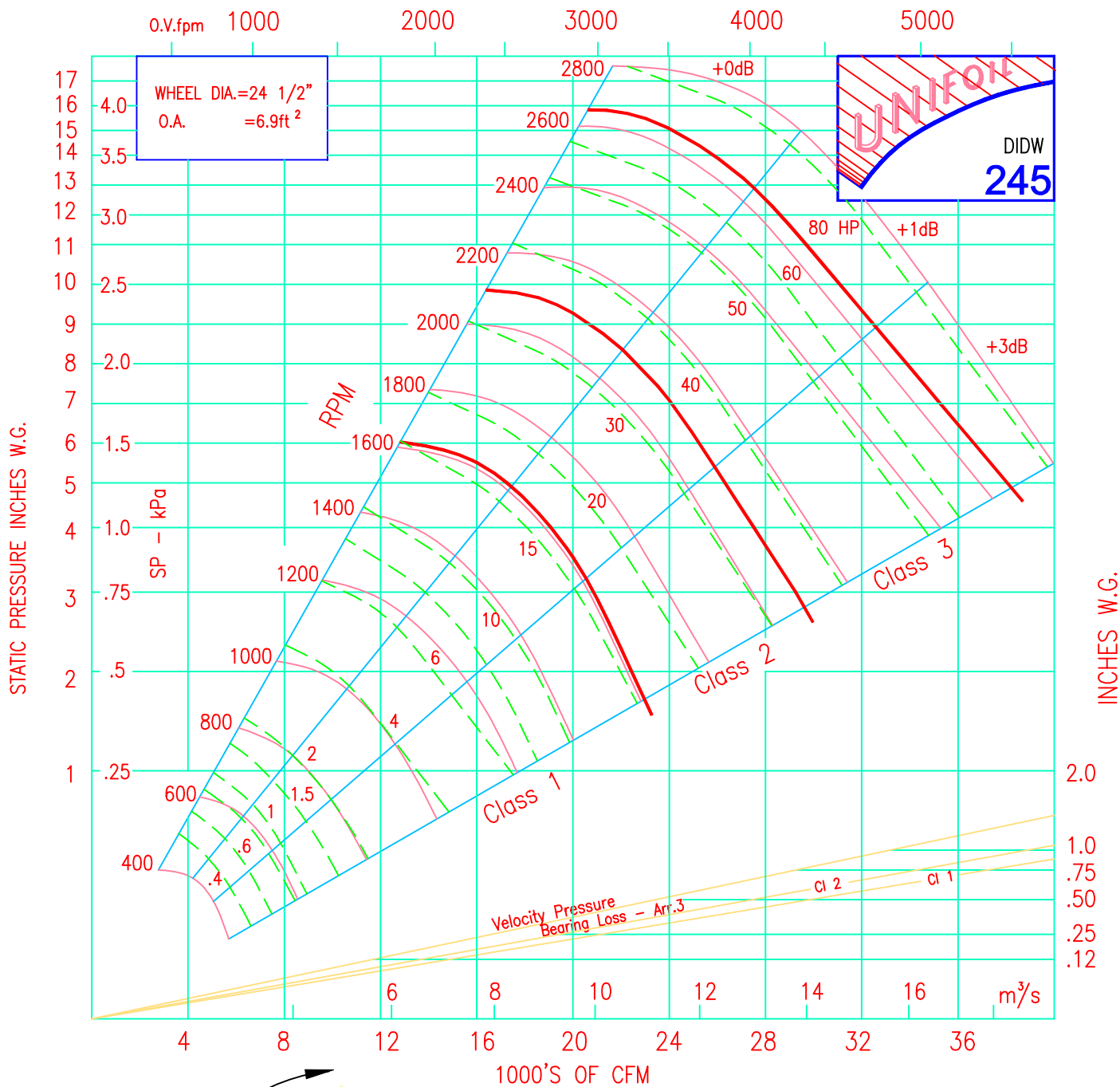
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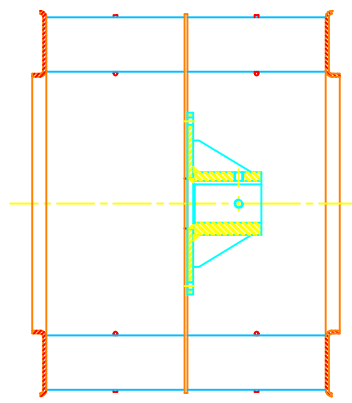
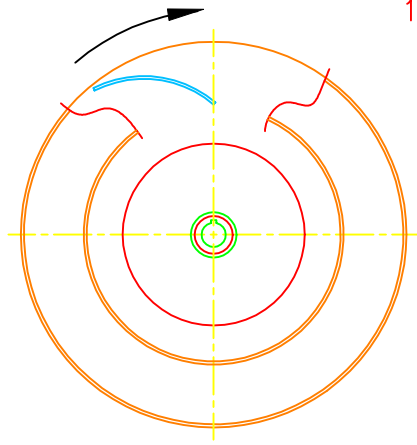
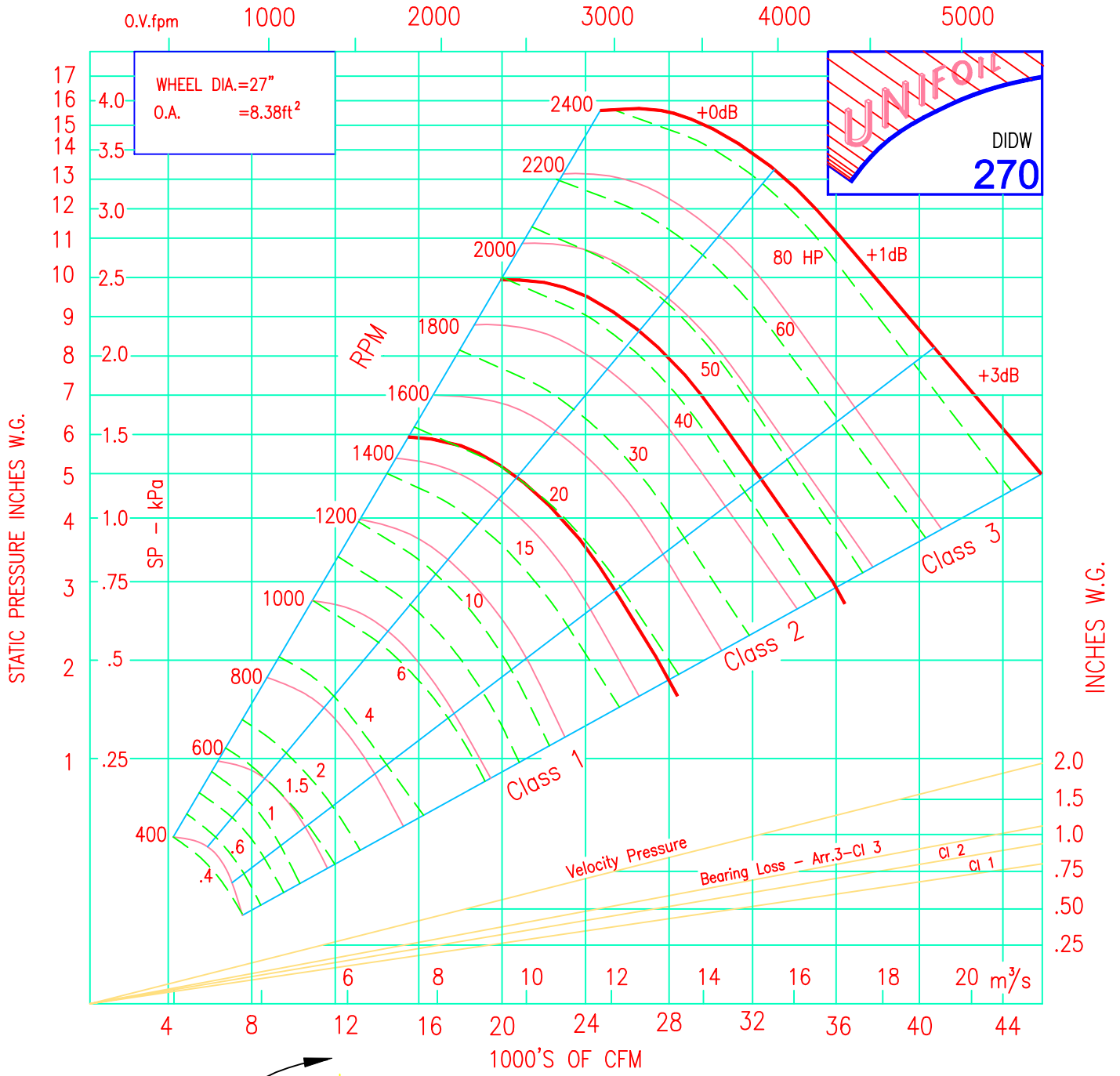
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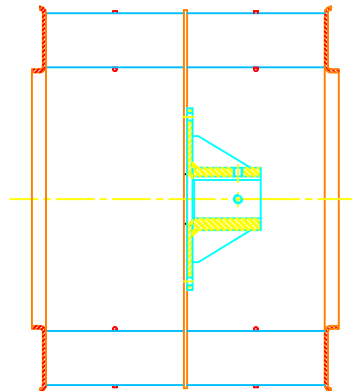
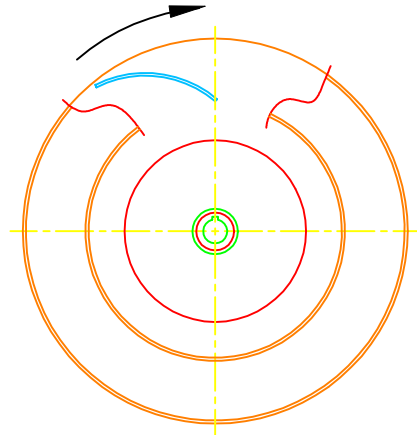
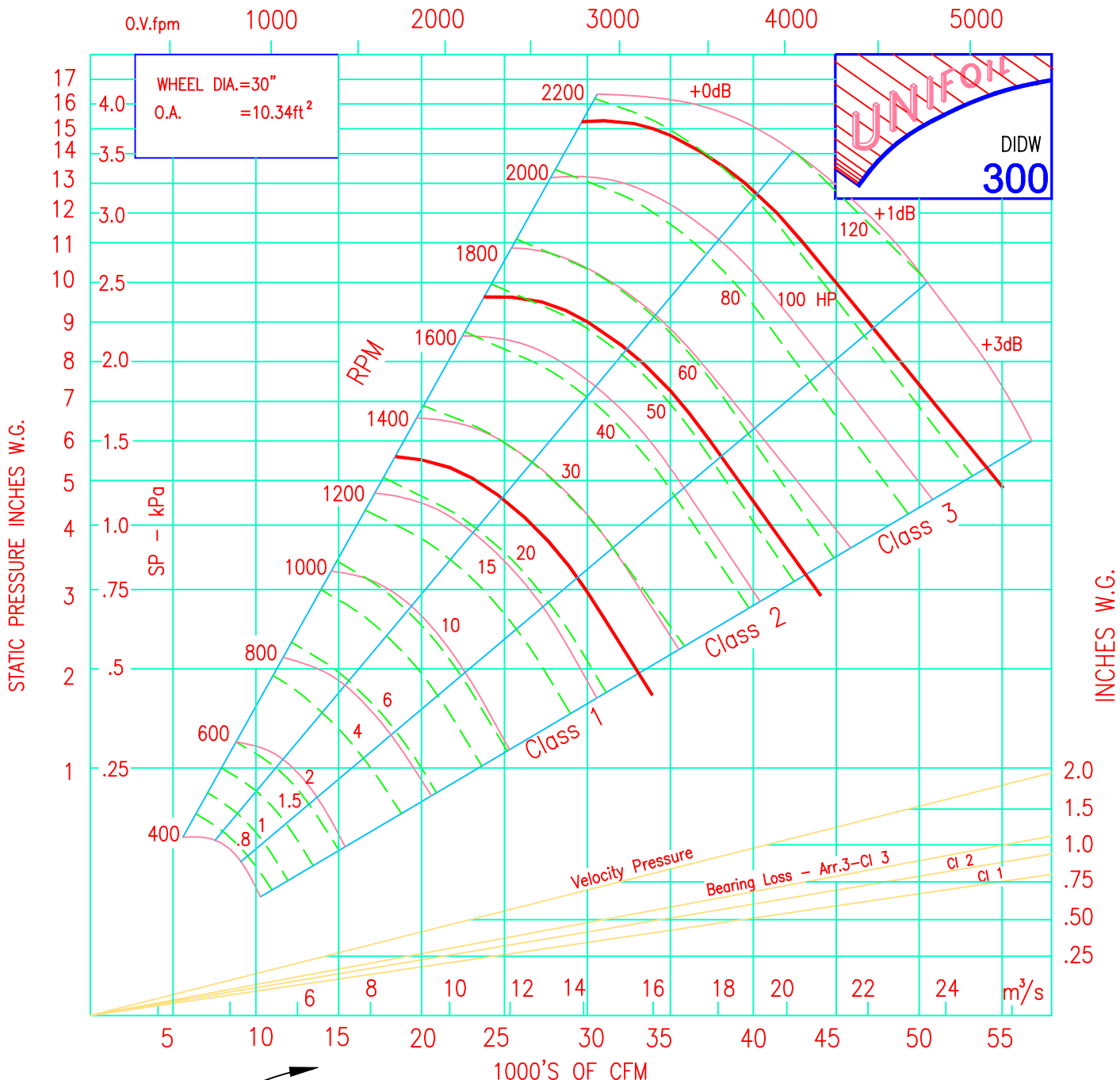
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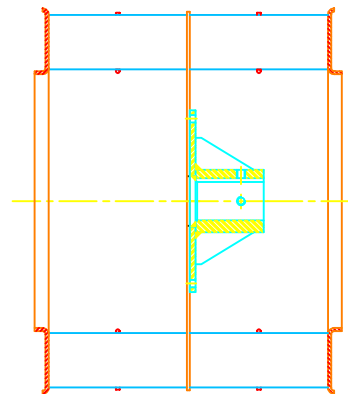
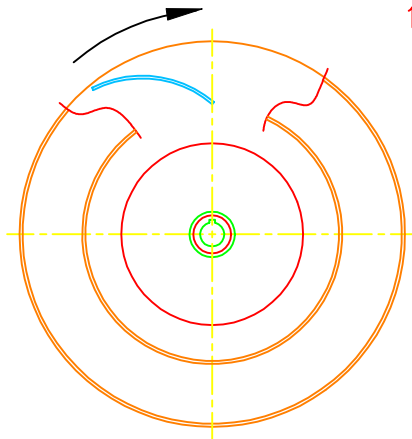
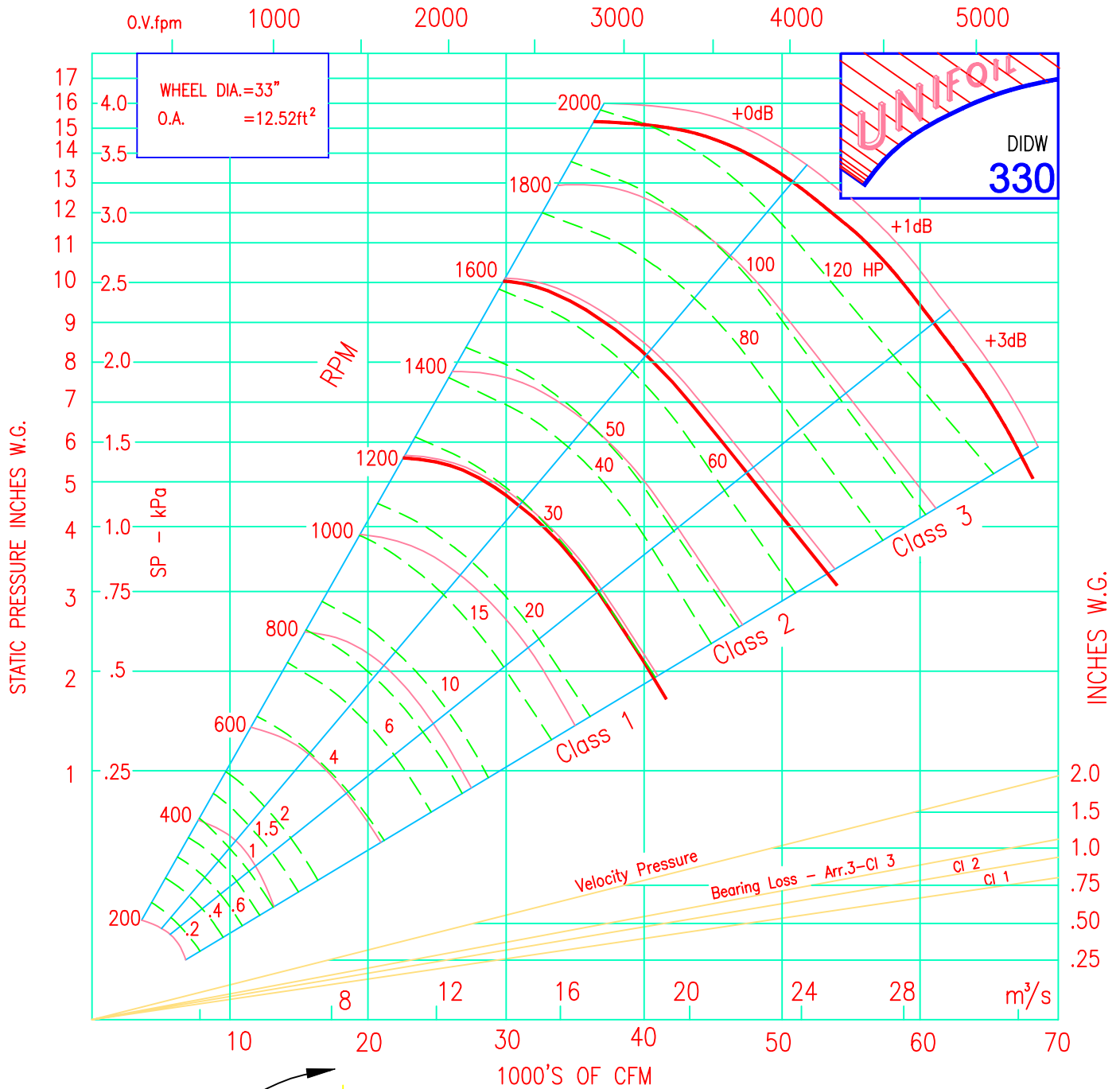
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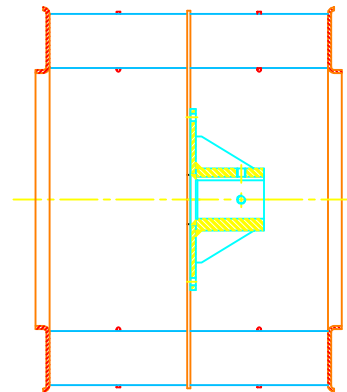
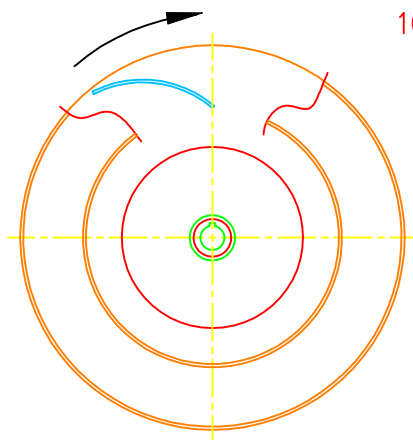
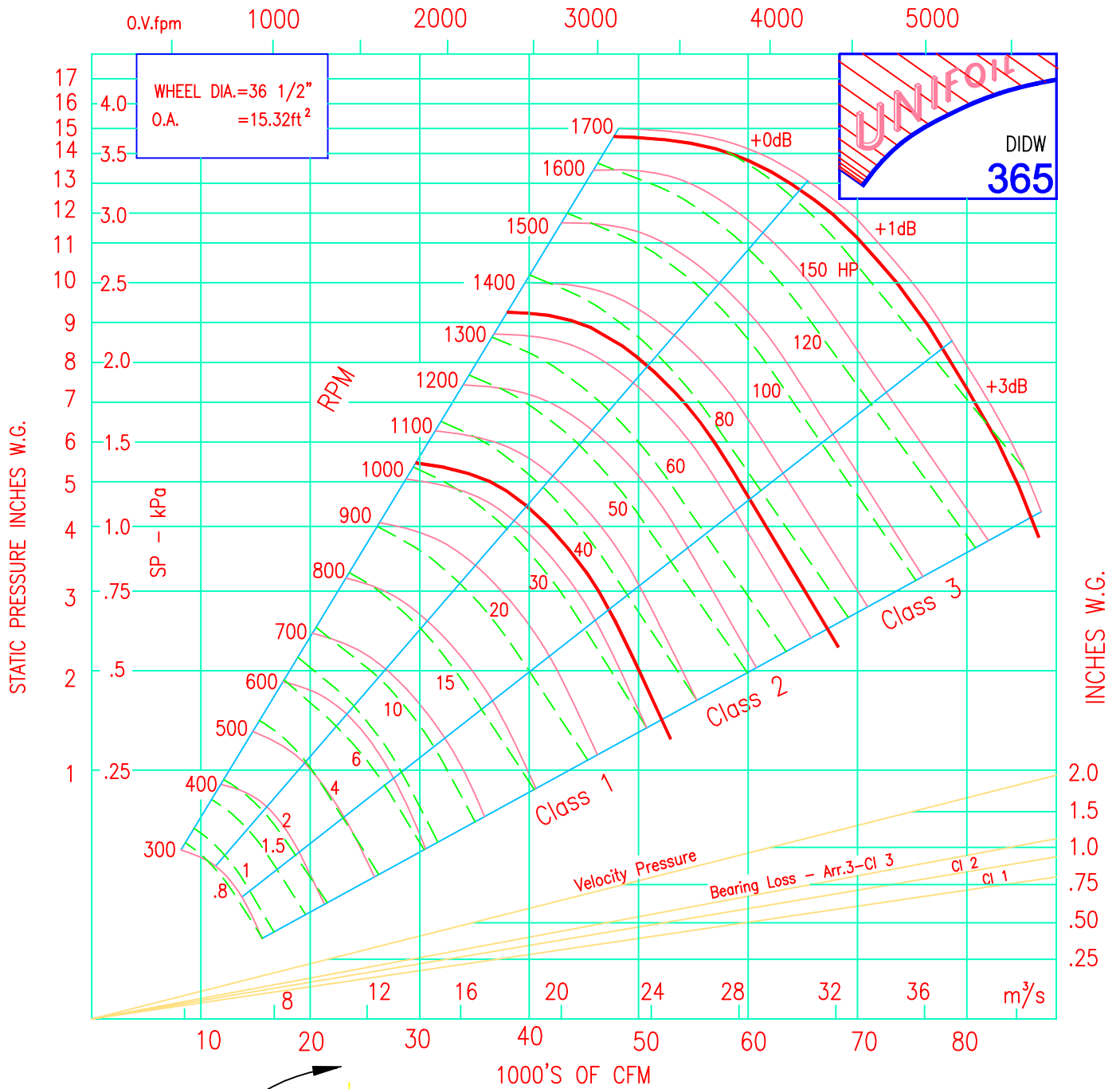
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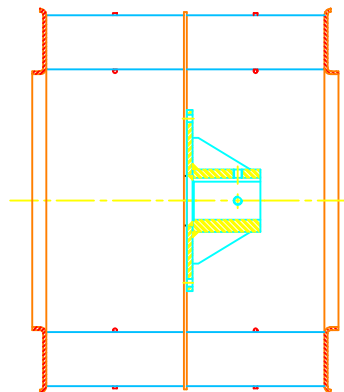
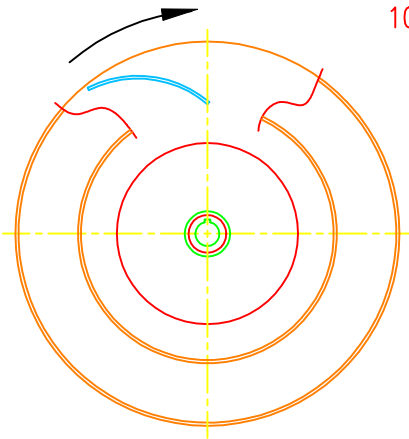
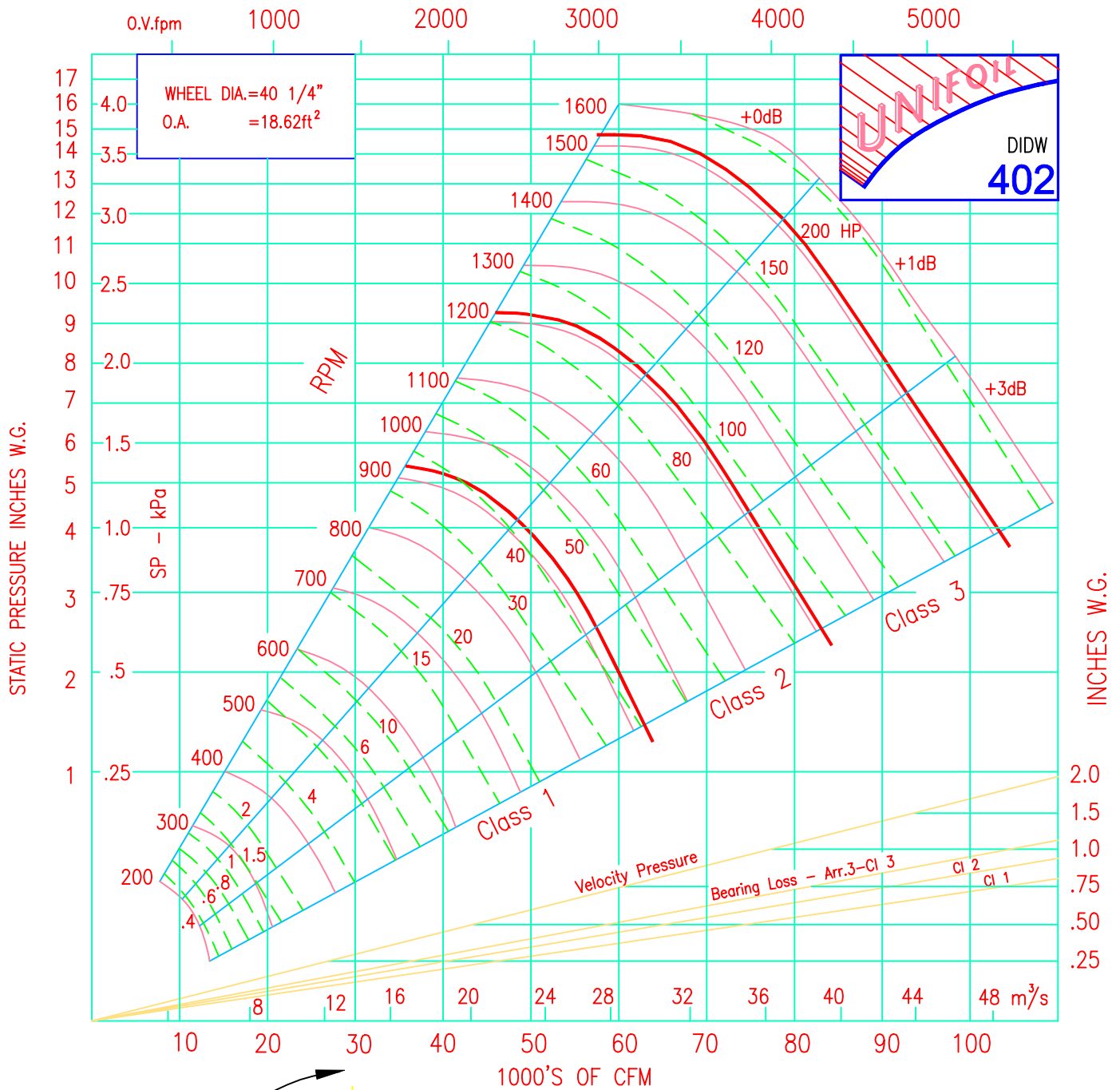
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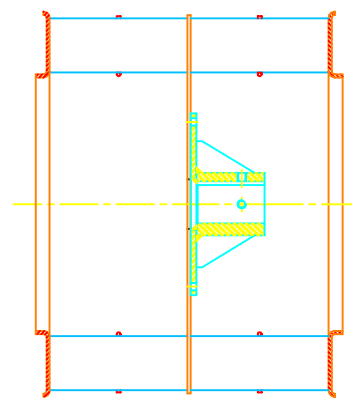
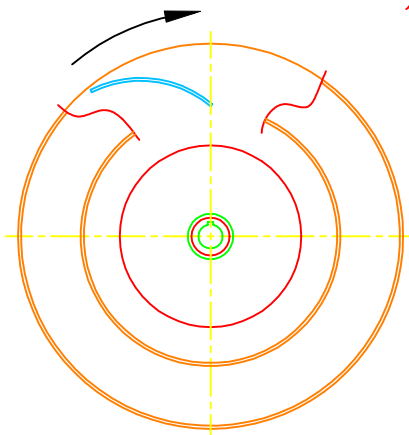
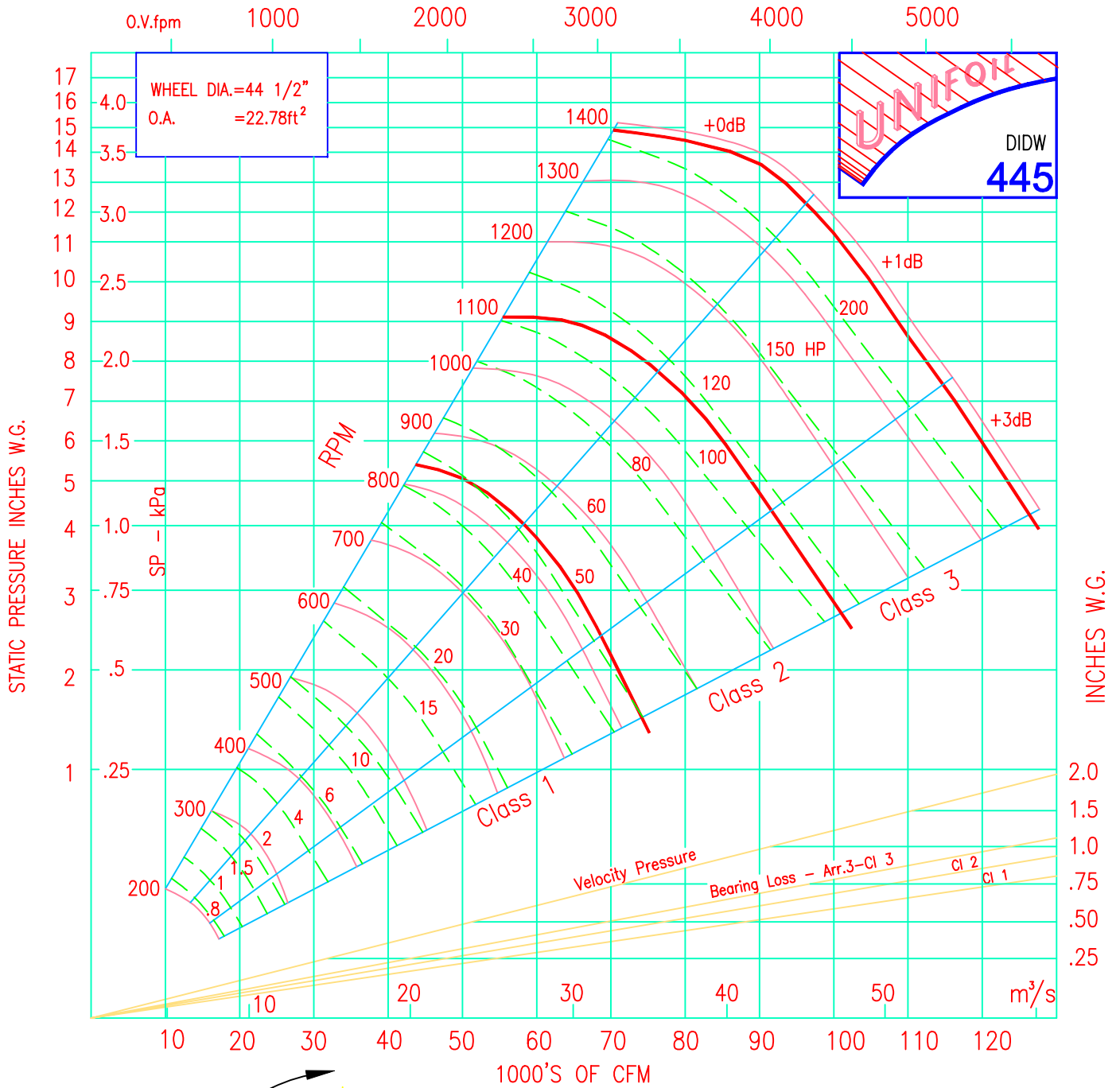
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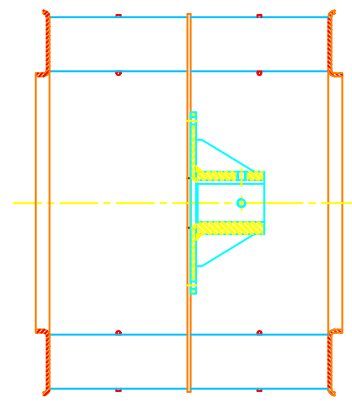
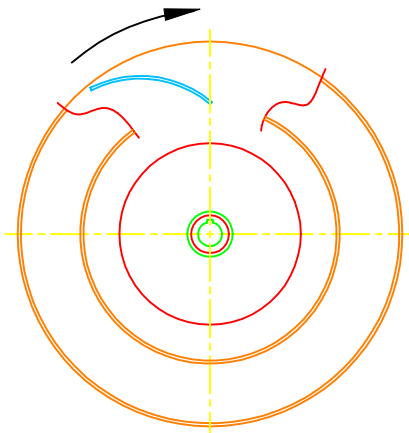
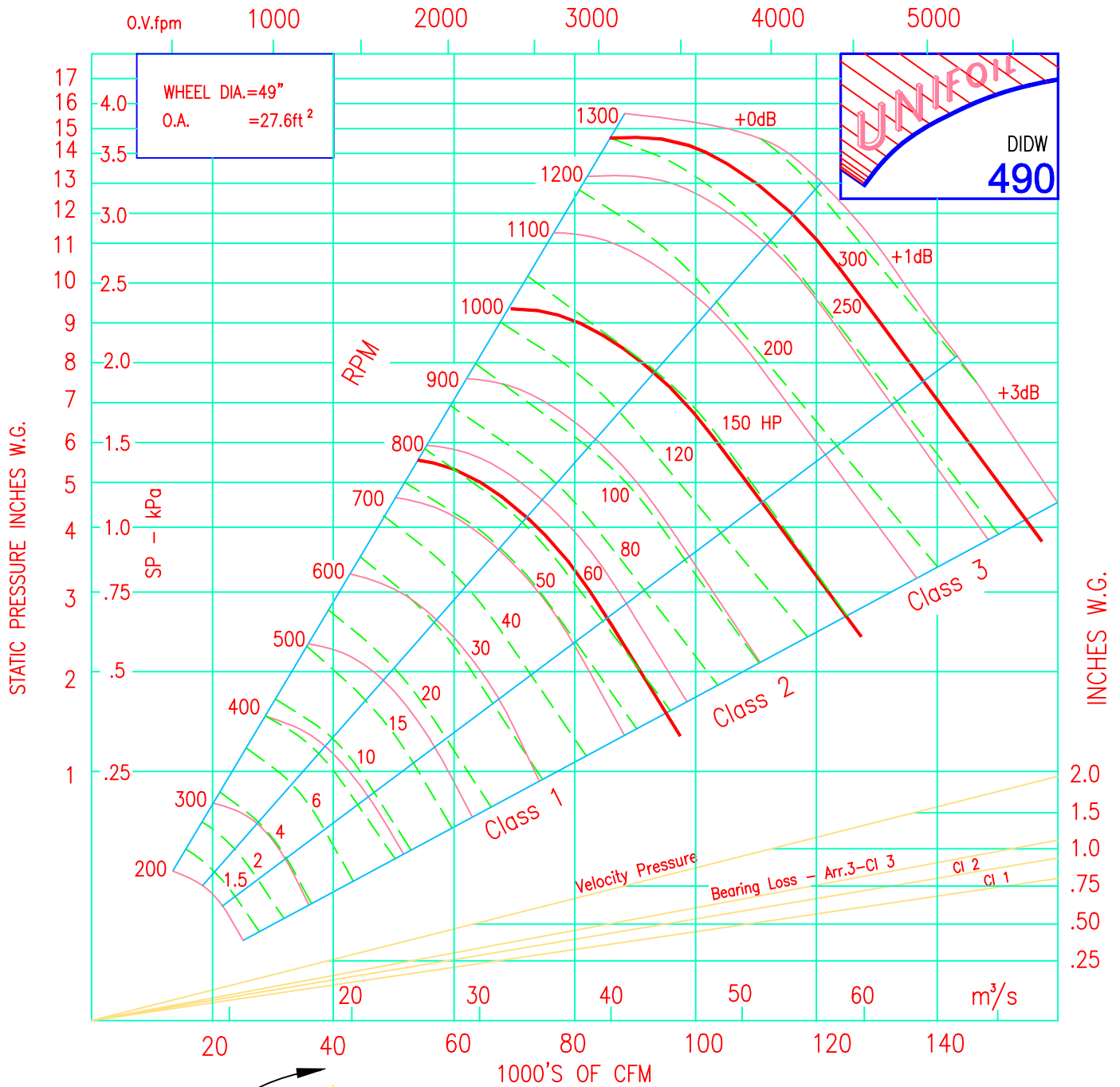
"CLOCK WISE" WHEEL SHOWN



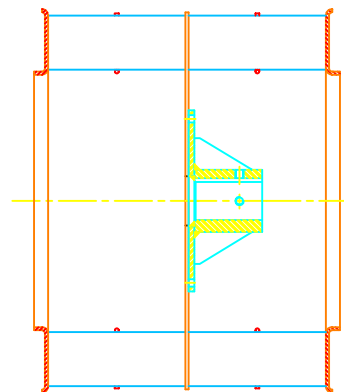
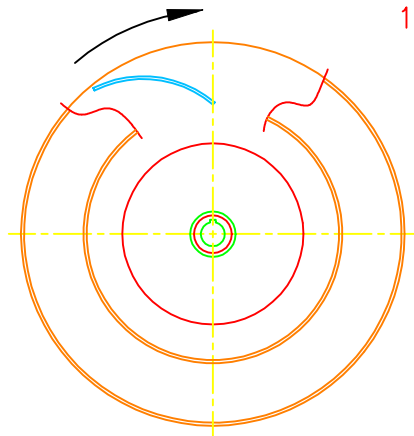
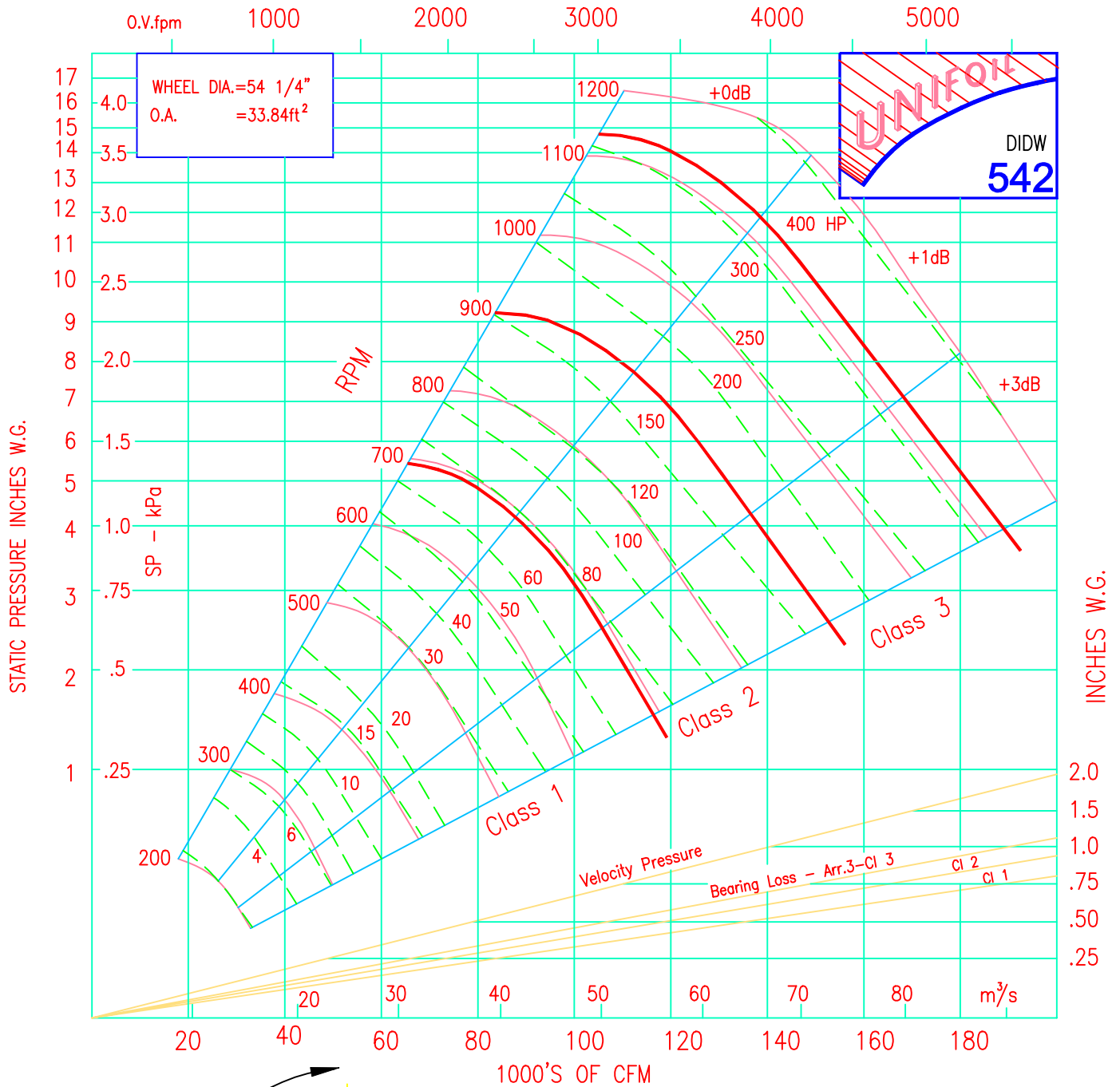
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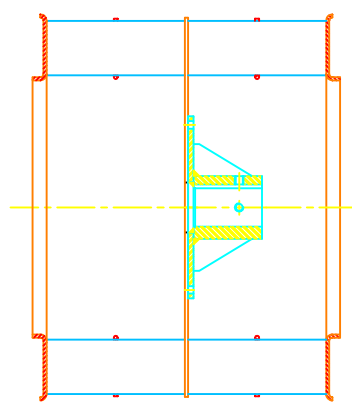
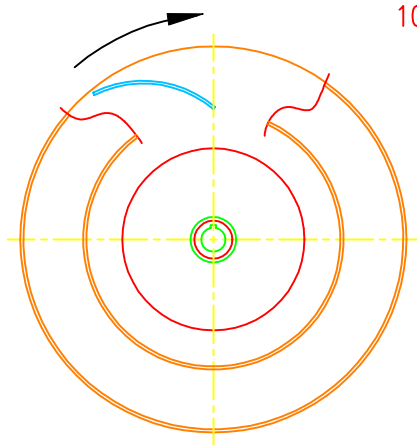
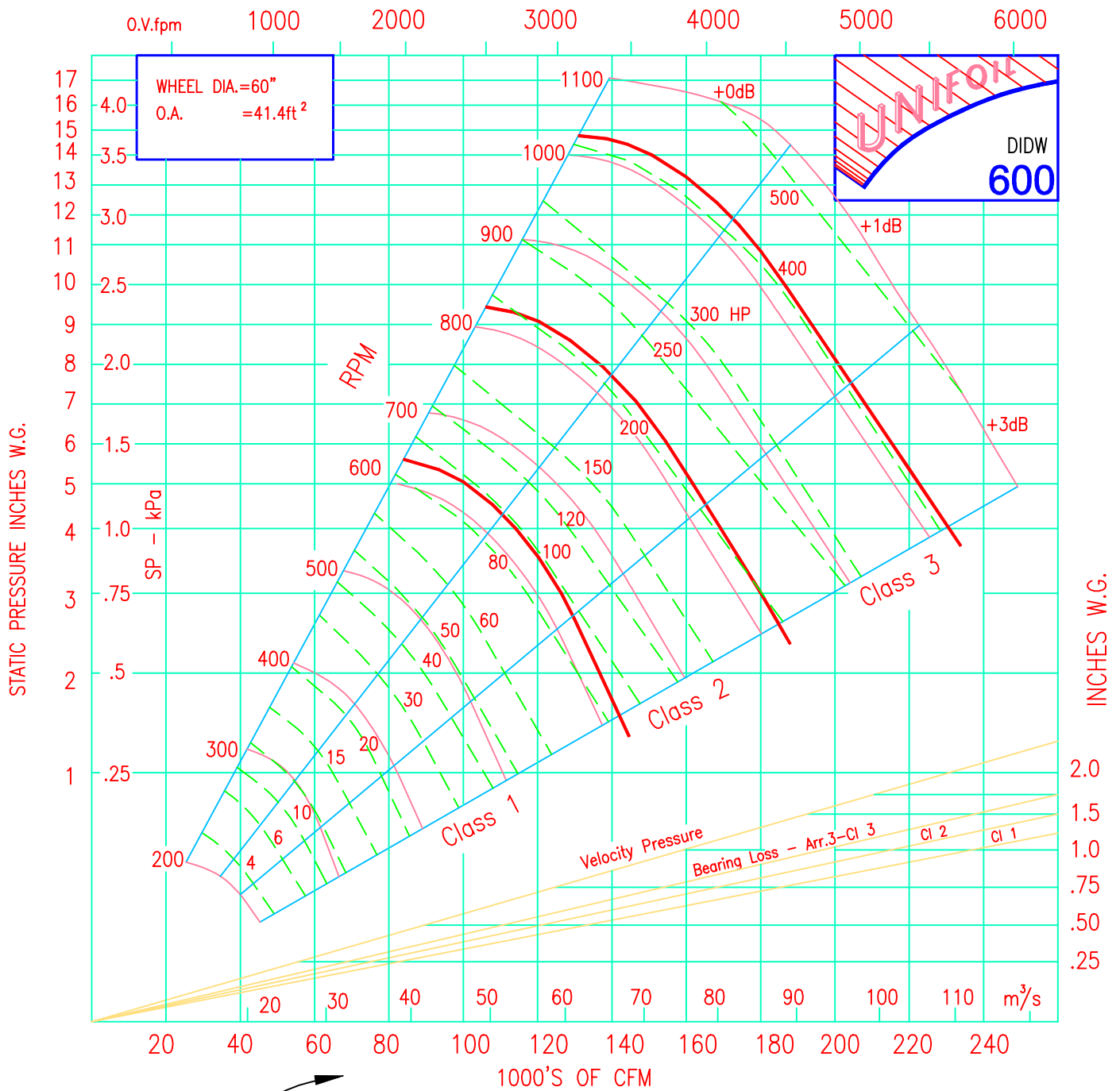
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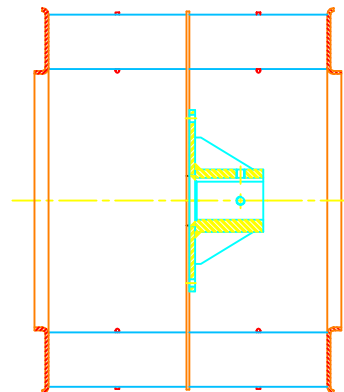
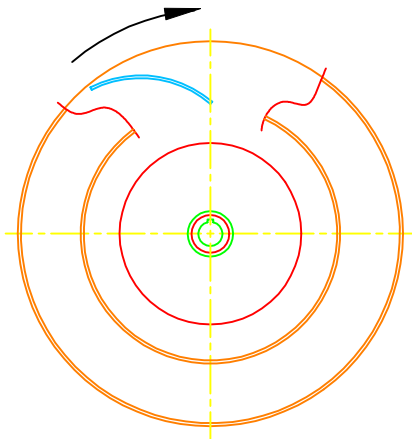
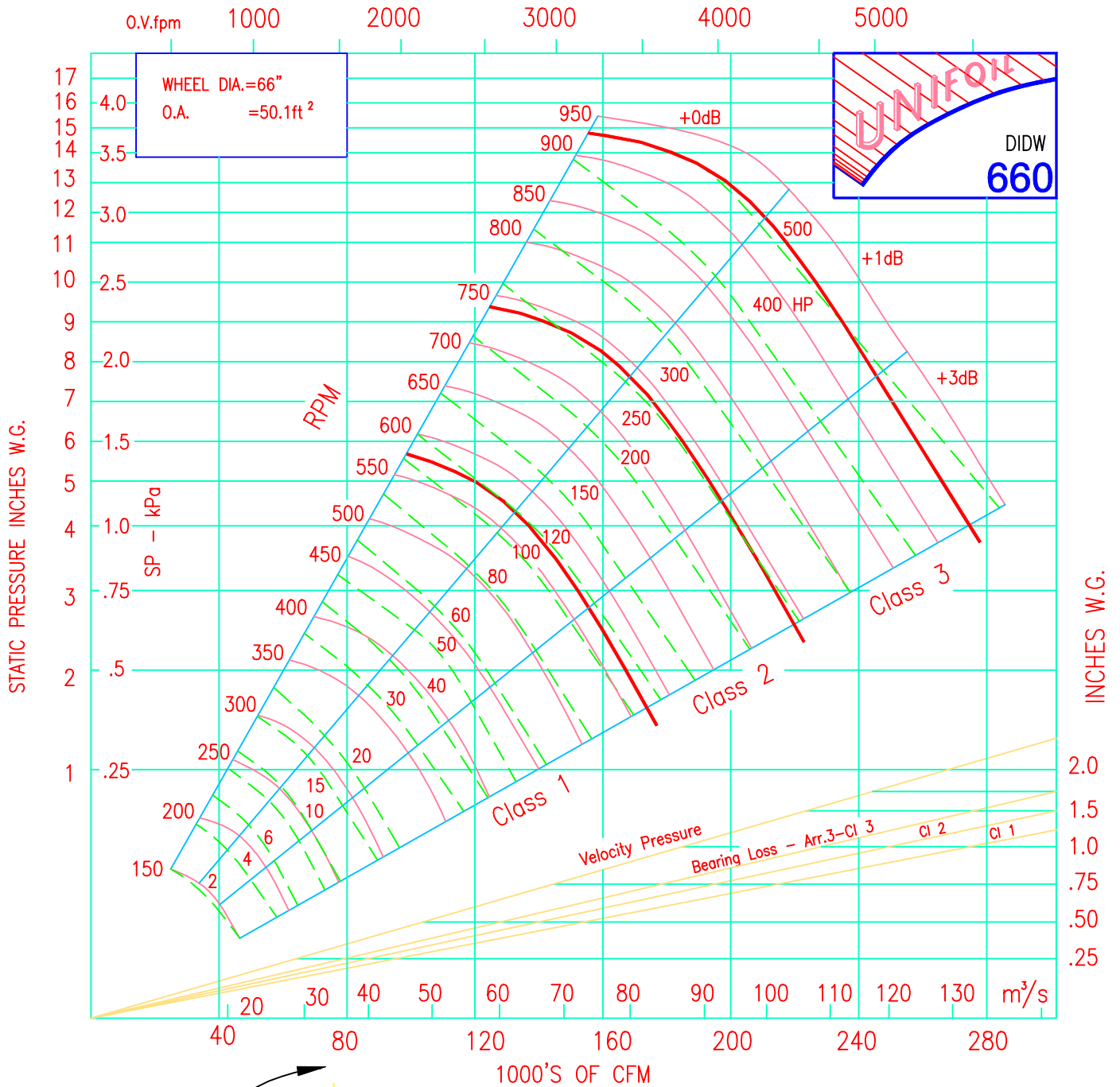
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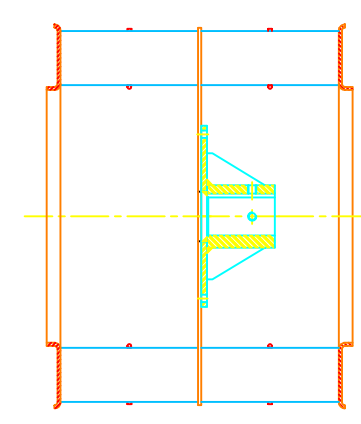
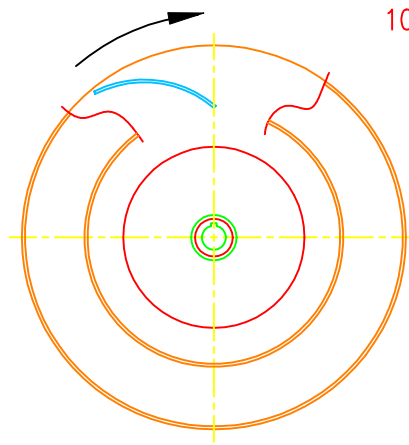
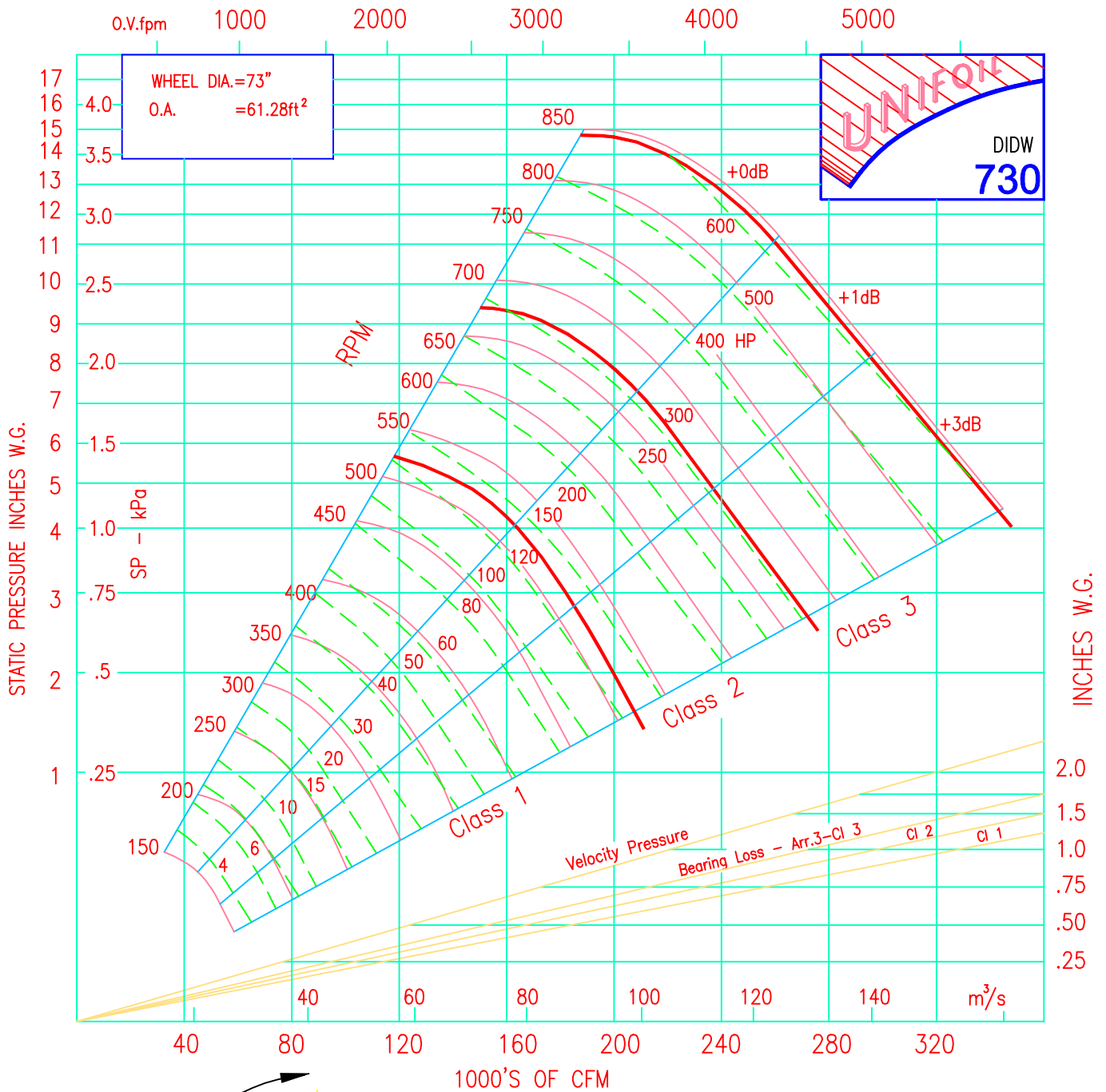
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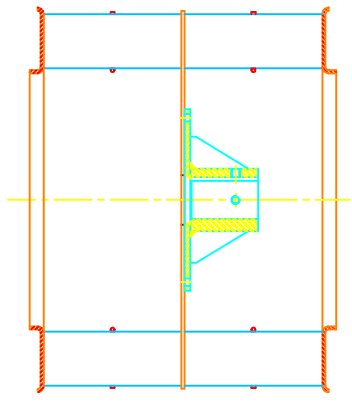
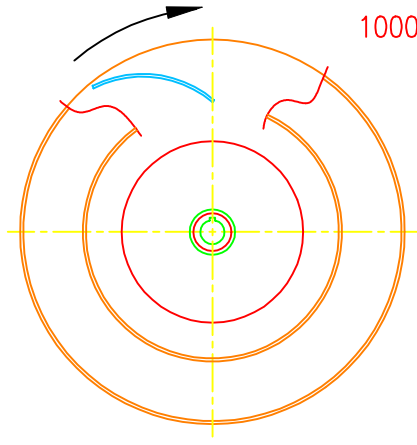
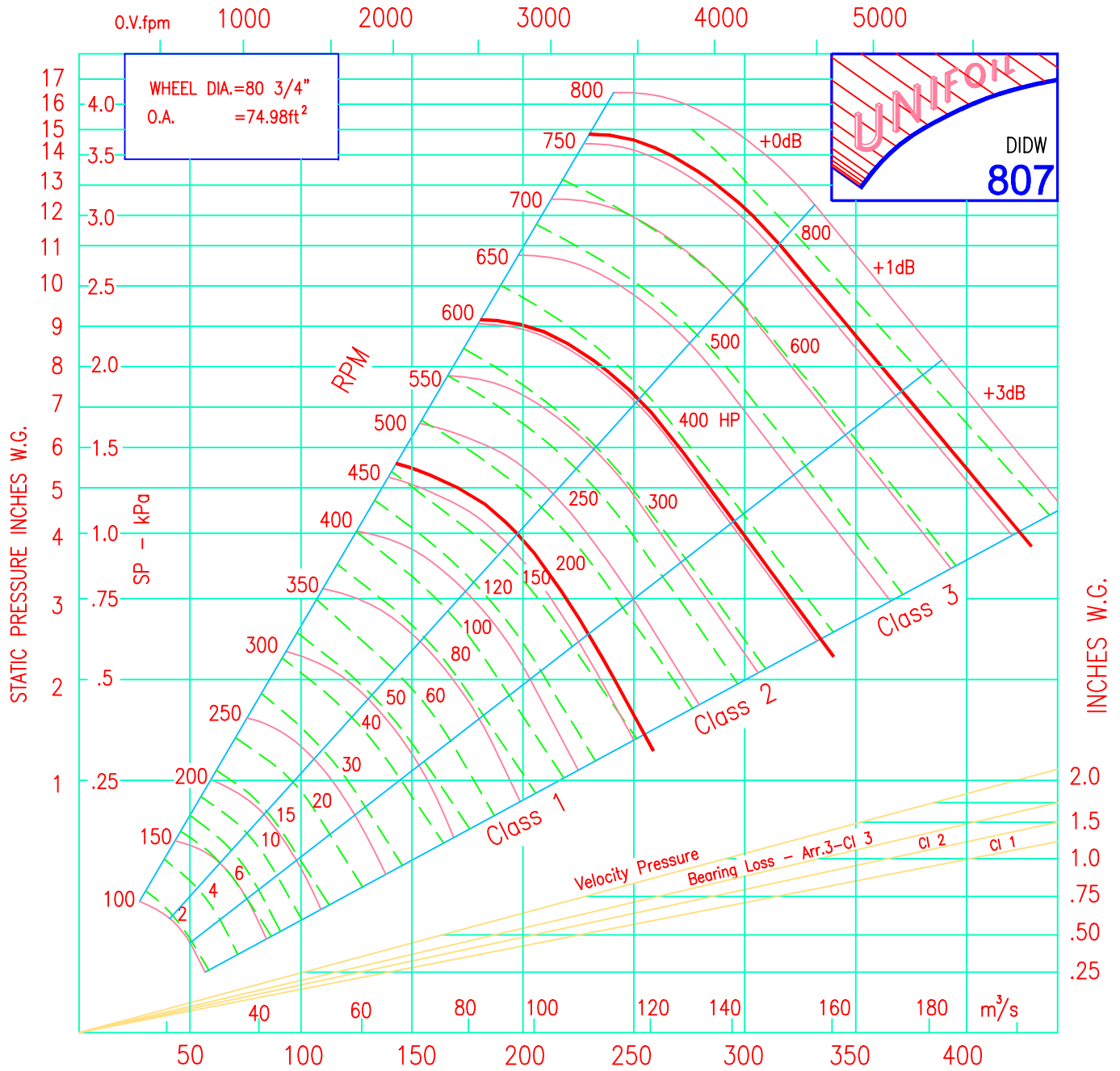
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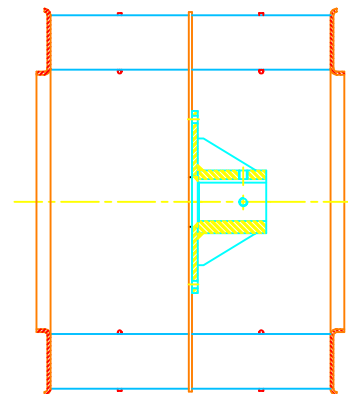
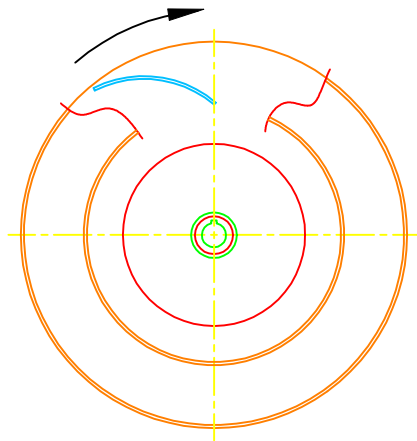
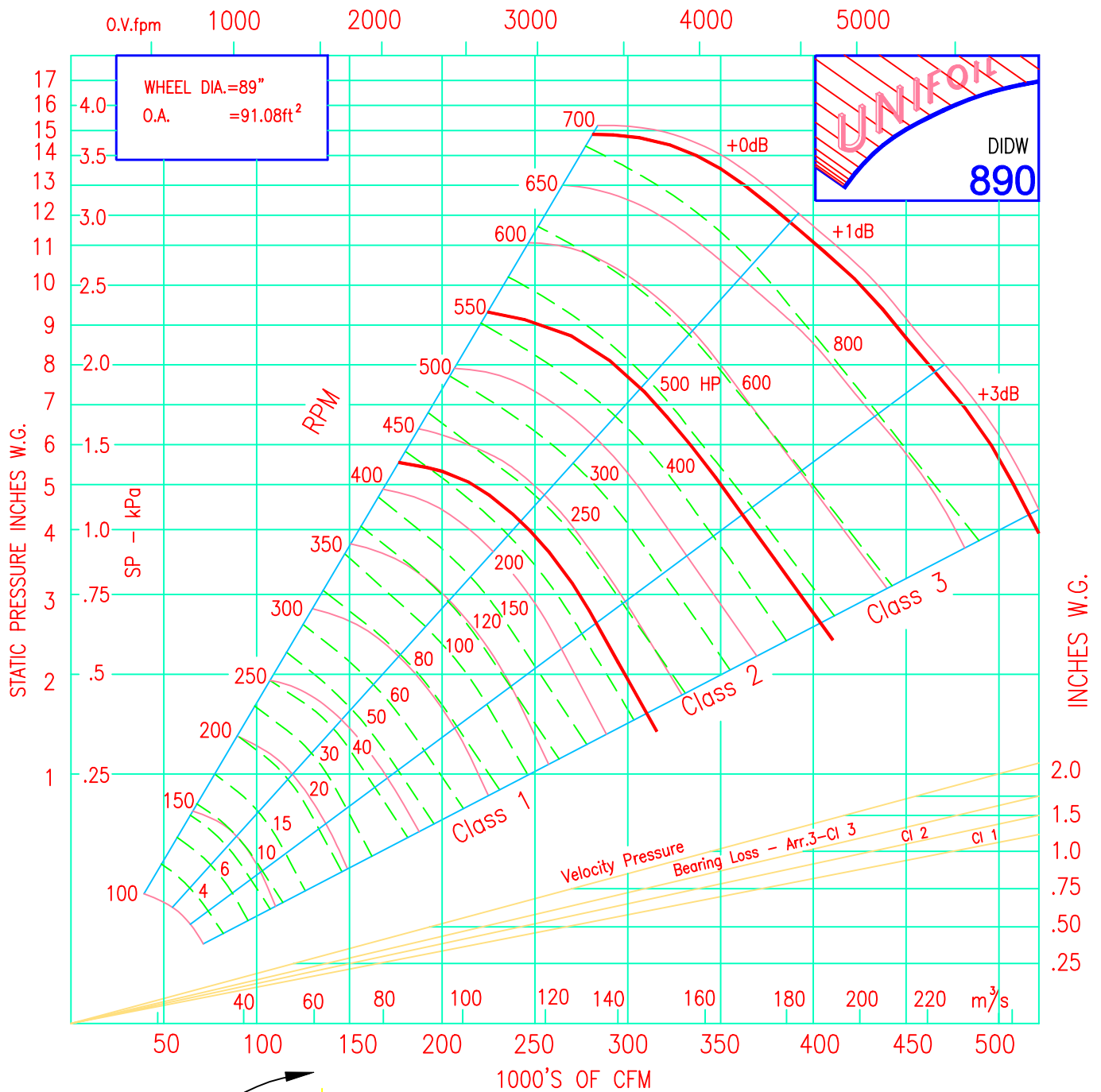
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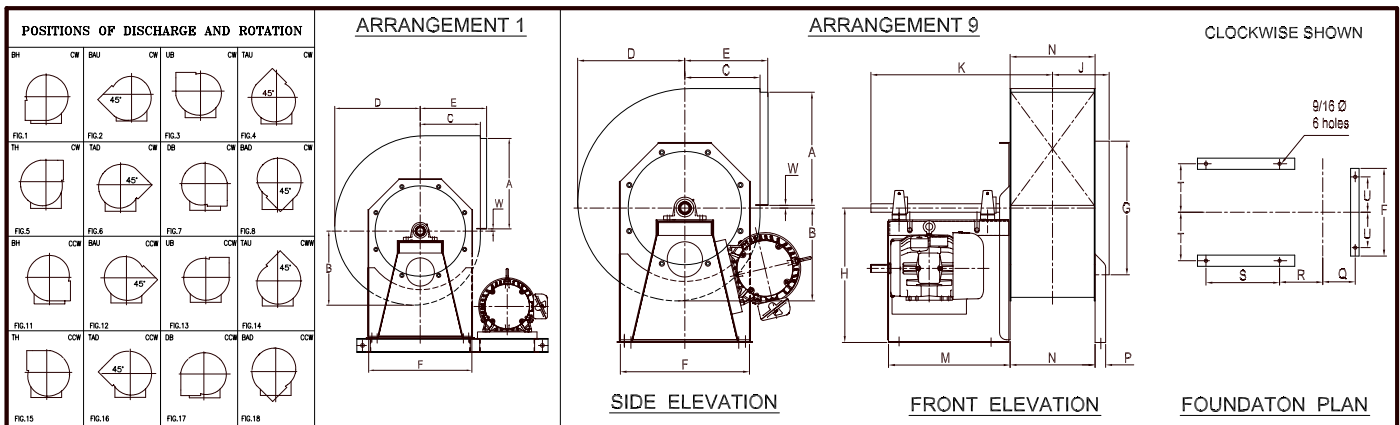
"CLOCK WISE" WHEEL SHOWN



"CLOCK WISE" WHEEL SHOWN



"CLOCK WISE" WHEEL SHOWN



FAN SIZE	MOTOR SHAFT AT FRAME BEARINGS	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	U	T	W	
12 1/4	143T, 145T 182T	13 1/8	10 7/8	8 7/8	12 1/2	10 1/8	15 1/2	16 1/8	19	6 15/16	24 11/16 24 15/16	17 3/16	9 7/8	1 1/2	5 3/4	7 5/8	13	6 1/4	8 9/16	1/4	
	184T																				1 3/16-CL.II
	213T, 215T																				1 7/16-CL.III
13 1/2	143T, 145T 182T	14 3/8	11 7/8	9 5/8	13 3/4	11 5/8	16 3/4	17 3/8	19	7 3/8	28 1/16 25 1/8 25 3/8	17 3/16	10 3/4	1 1/2	6 3/16	8 1/16	13	6 7/8	8 9/16	3/8	
	184T																				1 3/16-CL.II
	213T																				1 7/16-CL.III
15	143T, 145T 182T	16	13 1/8	10 5/8	15 1/8	11 3/4	18 1/4	18 7/8	19	8	25 3/4 26 29 1/8	17 3/16	12	1 1/2	6 13/16	8 11/16	13	7 5/8	8 9/16	3/8	
	184T																				1 3/16-CL.II
	213T																				1 7/16-CL.III
16 1/2	143T, 145T 182T, 184T	17 5/8	14 3/8	11 5/8	16 5/8	12 3/4	19 3/4	20 3/8	22	8 9/16	26 5/16 26 3/16 29 11/16	17 3/16	13 1/8	1 1/2	7 3/8	9 1/4	13	8 3/8	9 5/8	3/8	
	213T, 215T																				1 3/16-CL.II
	254T, 256T																				1 7/16-CL.III
18 1/4	143T, 145T 182T, 184T	19 1/4	15 7/8	12 7/8	18 1/4	13 7/8	22	23 3/8	22	9 1/4	27 27 1/4 30 3/8	17 3/16	14 9/16	1 1/2	8 1/8	10	13	9 1/2	8 9/16	5/8	
	213T, 215T																				1 7/16-CL.II
	254T, 256T																				1 1/16-CL.III
20	143T, 145T 182T, 184T	21 1/4	17 1/4	14	20	15	23 3/4	25 3/8	22	9 7/8	29 5/8 29 7/8 31	19 3/16	15 3/4	2	9	10 9/16	15	10 3/8	9 5/8	1/2	
	213T, 215T																				1 11/16-CL.II
	254T, 256T																				1 15/16-CL.III
22 1/4	143T, 145T 182T, 184T	23 5/8	19 1/8	15 1/2	22 1/8	16 1/2	26 3/4	27 3/8	22	10 13/16	30 9/16 30 13/16 31 15/16	19 3/16	17 5/8	2	9 15/16	11 1/2	15	11 7/8	9 5/8	1/2	
	213T																				1 11/16-CL.II
	254T																				1 15/16-CL.III
24 1/2	182T, 184T 213T	26	21 1/8	17	24 3/8	18	29	29 7/8	26	11 11/16	34 11/16 35 13/16 36 1/2	22 3/16	19 3/8	2	10 13/16	13 3/8	17	13	10 5/8	15/16	
	213T																				1 11/16-CL.II
	254T																				2 3/16-CL.III
27	182T, 184T 213T	28 5/8	23 1/8	18 3/4	26 3/4	20 1/8	32	33 3/8	26	12 5/8	39 5/8 40 1/4 40 15/16	25 11/16	21 1/4	2	11 3/4	14 5/16	20 1/2	14 1/2	11 13/16	3/4	
	254T, 256T																				1 15/16-CL.II
	284T, 286T																				2 3/16-CL.III
30	182T, 184T 213T, 215T	32 3/4	25 5/8	20 3/4	29 3/4	23 1/8	35	36 3/8	29	13 5/8	41 1/4 41 15/16 42 13/16	25 11/16	23 1/4	2 1/2	13	15 5/16	20 1/2	16	11 13/16	1/8	
	254T, 256T																				2 3/16-CL.II
	284T																				2 7/16-CL.III
33	213T, 215T 254T, 256T	36	28 1/8	22 3/4	32 5/8	25 1/8	38	39 3/8	33	14 3/4	44 7/8 45 9/16 46 7/16	28 3/16	25 1/2	2 1/2	14 1/8	16 7/16	23	17 1/2	14 1/8	1/8	
	284T, 286T																				2 3/16-CL.II
	324T, 326T																				2 7/16-CL.III
36 1/2	213T, 215T 254T	39 3/4	31 1/8	25 1/8	36	27 5/8	41 1/2	42 7/8	36	16 1/8	48 15/16 49 13/16 50 1/4	30 3/16	28 1/4	2 1/2	15 7/16	17 7/8	25	19 1/4	15 1/4	1/8	
	284T, 286T																				2 3/16-CL.II
	324T, 326T																				2 7/16-CL.III
40 1/4	213T, 215T 254T, 256T	42 1/16	34 1/4	27 5/8	39 5/8	30 7/16	45 1/2	46 7/8	40	18	51 1/4 54 1/8 55 11/16	34 3/16	32	2 1/2	17 3/8	19 11/16	29	21 1/4	20 1/4	1 5/8	
	284T, 286T																				2 3/16-CL.II
	324T																				2 7/16-CL.III
44 1/2	213T, 215T 254T, 256T	46 5/8	37 13/16	30 1/2	43 3/4	32 7/8	50	51 3/8	40	19 5/8	57 1/8 57 3/4 58 1/4	34 3/16	35 1/4	2 1/2	19	21 3/16	29	23 1/2	20 1/4	1 11/16	
	284T, 286T																				2 3/16-CL.II
	324T, 326T																				2 7/16-CL.III

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

SPECIAL FEATURES

A=FLANGED OUTLET
 B=FLANGED INLET
 C=INLET VOLUME CONTROL
 D=OUTLET DAMPER
 E=CLEANOUT DOOR
 1. QUICK CLAMP
 2. BOLTED
 3. PLUG
 F=SHAFT COOLER
 G=HOUSING DRAIN
 H=INLET SCREEN
 J=SHAFT SEAL

K=SPLIT HOUSING
 L=BELT GUARD
 M=SHAFT AND BEARING GUARD
 N=UNITARY BASE
 P=INLET COLLAR
 Q=EXTENDED GREASE LEADS
 R=SPARK RESISTANT CONSTRUCTION, TYPE 'C'
 S=SPECIAL FINISH-SEE NOTES

CUSTOMER _____ P.O.# _____

JOB NAME _____

LOCATION _____

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

TITLE: UNIFOIL FAN-DESIGN 3000
 GENERAL ASSEMBLY - TH - SIZES 12 1/4 - 44 1/2

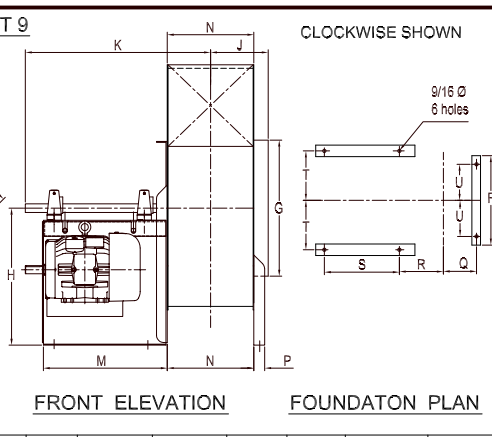
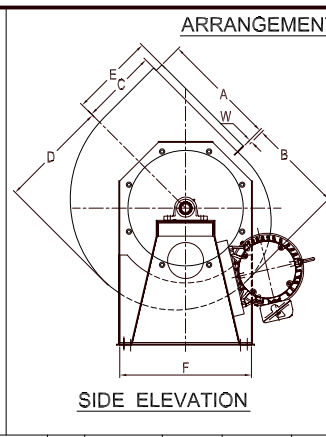
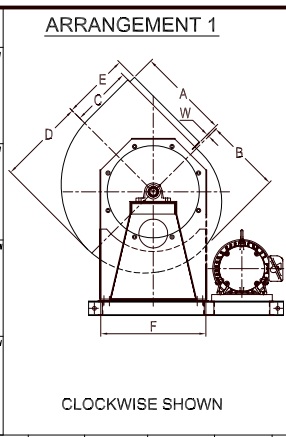
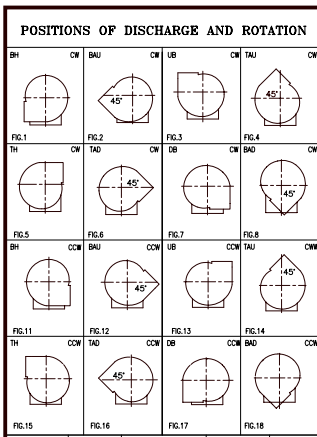
DRW : S.P. **CUST.** _____

DATE: JAN.2002

CHCK: _____ **DWG. NO.** _____

SCALE : NOT SHOWN

CD-3000-TH



FAN SIZE	MOTOR FRAME	SHAFT AT BEARINGS	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	U	T	W					
12 1/4	143T, 145T	1 3/16-CL.I	13 1/8	10 7/8	8 7/8	12 1/2	10 1/8	15 1/2	16 1/8	19	6 15/16	24 11/16	17 3/16	9 7/8	1 1/2	5 3/4	7 5/8	13	6 1/4	8 9/16	1/4					
	182T	17 1/2						22				24 15/16	25 1/8									28 1/16	19 3/16	15	7 1/4	9 5/8
	184T	17 1/2						22				25 3/8	28 1/2									19 3/16	15	7 1/4	9 5/8	
13 1/2	143T, 145T	1 3/16-CL.I	14 3/8	11 7/8	9 5/8	13 3/4	11 5/8	16 3/4	17 3/8	19	7 3/8	25 3/8	17 3/16	10 3/4	1 1/2	6 3/16	8 1/16	13	6 7/8	8 9/16	3/8					
	182T	17 1/2						22				28 1/2	19 3/16									15	7 1/4	9 5/8		
	184T	17 1/2						22				29 1/8	19 3/16									15	7 1/4	9 5/8		
15	143T, 145T	1 3/16-CL.I	16	13 1/8	10 5/8	15 1/8	11 3/4	18 1/4	18 7/8	19	8	25 3/4	17 3/16	12	1 1/2	6 13/16	8 11/16	13	7 5/8	8 9/16	3/8					
	182T	22						29 1/8				19 3/16	15									7 5/8	9 5/8			
	184T	22						29 1/8				19 3/16	15									7 5/8	9 5/8			
16 1/2	143T, 145T	1 3/16-CL.I	17 5/8	14 3/8	11 5/8	16 5/8	12 3/4	19 3/4	20 3/8	22	8 9/16	26 5/16	17 3/16	13 1/8	1 1/2	7 3/8	9 1/4	13	8 3/8	8 9/16	3/8					
	182T, 184T	22						29 11/16				19 3/16	15									8 3/8	9 5/8			
	213T, 215T	26						33 3/8				22 3/16	10 1/4									17	10 5/8			
18 1/4	143T, 145T	1 3/16-CL.I	19 1/4	15 7/8	12 7/8	18 1/4	13 7/8	22	23 3/8	22	9 1/4	29	19 3/16	14 9/16	1 1/2	8 1/8	10	15	9 1/2	9 5/8	5/8					
	182T, 184T	26						30 3/8				22 3/16	11									17	10 5/8			
	213T, 215T	26						34 1/16				22 3/16	11									17	10 5/8			
20	143T, 145T	1 7/16-CL.I	21 1/4	17 1/4	14	20	15	23 3/4	25 3/8	22	9 7/8	29 5/8	19 3/16	15 3/4	2	9	10 9/16	15	10 3/8	9 5/8	1/2					
	182T, 184T	26						31				22 3/16	11 9/16									17	10 5/8			
	213T, 215T	26						34 1/16				22 3/16	11 9/16									17	10 5/8			
22 1/4	143T, 145T	1 7/16-CL.I	23 5/8	19 1/8	15 1/2	22 1/8	16 1/2	26 3/4	27 3/8	26	10 13/16	33 9/16	22 3/16	17 5/8	2	9 15/16	12 1/2	17	11 7/8	10 5/8	1/2					
	182T, 184T	29						33 15/16				22 3/16	20 1/2									11 13/16				
	213T	29						34 15/16				22 3/16	20 1/2									11 13/16				
24 1/2	143T, 145T	1 7/16-CL.I	26	21 1/8	17	24 3/8	18	29	29 7/8	26	11 11/16	35 13/16	22 3/16	19 3/8	2	10 13/16	13 3/8	17	13	10 5/8	15/16					
	182T, 184T	29						36 1/2				22 3/16	20 1/2									11 13/16				
	213T	29						40 7/8				22 3/16	20 1/2									11 13/16				
27	143T, 145T	1 11/16-CL.I	28 5/8	23 1/8	18 3/4	26 3/4	20 1/8	32	33 3/8	29	12 5/8	40 1/4	25 11/16	21 1/4	2	11 3/4	14 5/16	20 1/2	14 1/2	11 13/16	3/4					
	182T, 184T	33						41 13/16				28 3/16	23									14 1/8				
	213T, 215T	33						44 3/4				28 3/16	23									14 1/8				
30	143T, 145T	1 15/16-CL.I	32 3/4	25 5/8	20 3/4	29 3/4	23 1/8	35	36 3/8	33	13 5/8	44 5/8	28 3/16	23 1/4	2 1/2	13	15 5/16	23	16	14 1/8	1/8					
	182T, 184T	36						45 5/16				28 3/16	23									16				
	213T, 215T	36						48 1/4				28 3/16	23									16				
33	143T, 145T	1 15/16-CL.I	36	28 1/8	22 3/4	32 5/8	25 1/8	38	39 3/8	33	14 3/4	44 7/8	28 3/16	25 1/2	2 1/2	14 1/8	16 7/16	23	17 1/2	14 1/8	1/8					
	182T, 184T	36						46 7/16				28 3/16	25									15 1/4				
	213T, 215T	36						49 7/8				28 3/16	25									15 1/4				
36 1/2	143T, 145T	1 15/16-CL.I	39 3/4	31 1/8	25 1/8	36	27 5/8	41 1/2	42 7/8	36	16 1/8	48 15/16	30 3/16	28 1/4	2 1/2	15 7/16	17 7/8	25	19 1/4	15 1/4	1/8					
	182T, 184T	36						49 13/16				30 3/16	25									15 1/4				
	213T, 215T	36						50 1/4				30 3/16	25									15 1/4				
40 1/4	143T, 145T	2 3/16-CL.I	42 1/16	34 1/4	27 5/8	39 5/8	30 7/16	45 1/2	46 7/8	40	18	54 1/8	34 3/16	32	2 1/2	17 3/8	19 11/16	29	21 1/4	20 1/4	1 5/8					
	182T, 184T	40						55 11/16				34 3/16	29									21 1/4				
	213T, 215T	40						57 1/8				34 3/16	29									21 1/4				
44 1/2	143T, 145T	2 7/16-CL.II	46 5/8	37 13/16	30 1/2	43 3/4	32 7/8	50	51 3/8	44	19 5/8	57 5/16	34 3/16	35 1/4	2 1/2	19	21 3/16	29	23 1/2	21 3/4	1 11/16					
	182T, 184T	44						57 3/4				34 3/16	29									23 1/2				
	213T, 215T	44						58 3/4				34 3/16	29									23 1/2				

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

SPECIAL FEATURES

A=FLANGED OUTLET
 B=FLANGED INLET
 C=INLET VOLUME CONTROL
 D=OUTLET DAMPER
 E=CLEANOUT DOOR
 1. QUICK CLAMP
 2. BOLTED
 3. PLUG
 F=SHAFT COOLER
 G=HOUSING DRAIN
 H=INLET SCREEN
 J=SHAFT SEAL

K=SPLIT HOUSING
 L=BELT GUARD
 M=SHAFT AND BEARING GUARD
 N=UNITARY BASE
 P=INLET COLLAR
 Q=EXTENDED GREASE LEADS
 R=SPARK RESISTANT CONSTRUCTION, TYPE 'C'
 S=SPECIAL FINISH-SEE NOTES

CUSTOMER _____ P.O.# _____

JOB NAME _____

LOCATION _____

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

TITLE: **UNIFOIL FAN-DESIGN 3000**
GENERAL ASSEMBLY - TAU - SIZES 12 1/4 - 44 1/2

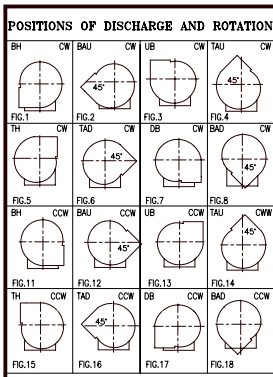
DRW : S.P. CUST. _____

DATE: JAN.2002

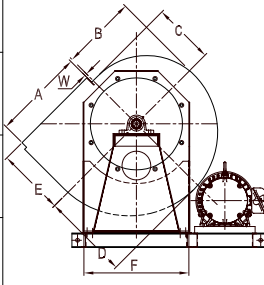
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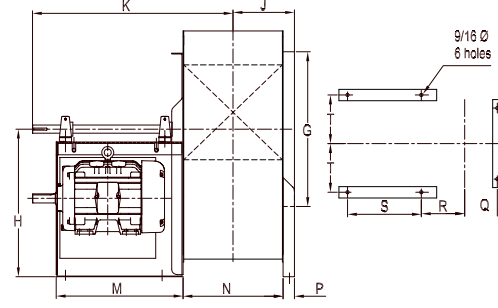
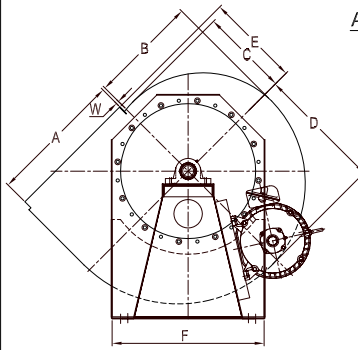
CD-3000-TAU



ARRANGEMENT 1



ARRANGEMENT 9



SIDE ELEVATION

FRONT ELEVATION

FOUNDATION PLAN

CLOCKWISE SHOWN

FAN SIZE	MOTOR FRAME	SHAFT AT BEARINGS	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	U	T	W			
12 1/4	143T, 145T 182T	1 3/16-CL-I	13 1/8	10 7/8	8 7/8	12 1/2	10 1/8	15 1/2	16 1/8	19	6 15/16	24 11/16	17 3/16	9 7/8	1 1/2	5 3/4	7 5/8	13	6 1/4	8 9/16	1/4			
	184T	1 3/16-CL-II						17 1/2				22				24 15/16	28 11/16	19 3/16	5 3/4	7 5/8		15	7 1/4	9 5/8
	213T, 215T	1 7/16-CL-III						16 3/4				19				25 1/8	25 3/8	17 3/16	6 3/16	8 1/16		13	6 7/8	8 9/16
13 1/2	143T, 145T 182T	1 3/16-CL-I	14 3/8	11 7/8	9 5/8	13 3/4	11 5/8	16 3/4	17 3/8	19	7 3/8	25 1/8	17 3/16	10 3/4	1 1/2	6 3/16	8 1/16	13	6 7/8	8 9/16	3/8			
	184T	1 3/16-CL-II						17 1/2				22				25 3/8	28 1/2	19 3/16	6 3/16	8 1/16		15	7 1/4	9 5/8
	213T	1 7/16-CL-III						18 1/4				19				25 3/4	26 3/4	17 3/16	6 13/16	8 11/16		13	7 5/8	8 9/16
15	143T, 145T 182T	1 3/16-CL-I	16	13 1/8	10 5/8	15 1/8	11 3/4	18 1/4	18 7/8	19	8	26	17 3/16	12	1 1/2	6 13/16	8 11/16	13	7 5/8	8 9/16	3/8			
	184T	1 3/16-CL-II						18 1/4				22				26	29 1/8	19 3/16	6 13/16	8 11/16		15	7 5/8	9 5/8
	213T	1 7/16-CL-III						18 1/4				22				29 1/8	29 1/8	19 3/16	6 13/16	8 11/16		15	7 5/8	9 5/8
16 1/2	143T, 145T 182T, 184T	1 3/16-CL-I	17 5/8	14 3/8	11 5/8	16 5/8	12 3/4	19 3/4	20 3/8	22	8 9/16	28 5/16	19 3/16	13 1/8	1 1/2	7 3/8	9 1/4	15	8 3/8	9 5/8	3/8			
	184T	1 3/16-CL-II						22				26				28 9/16	29 11/16	19 3/16	7 3/8	10 1/4		17	10 5/8	
	213T, 215T	1 7/16-CL-III						22				26				29 11/16	33 3/8	22 3/16	10 1/4	17		10 5/8		
18 1/4	143T, 145T 182T, 184T	1 3/16-CL-I	19 1/4	15 7/8	12 7/8	18 1/4	13 7/8	22	23 3/8	22	9 1/4	29 1/4	19 3/16	14 9/16	1 1/2	8 1/8	10	15	9 1/2	9 5/8	5/8			
	184T	1 3/16-CL-II						22				26				29 1/4	30 3/8	22 3/16	11	17		10 5/8		
	213T, 215T	1 7/16-CL-III						22				26				30 3/8	34 1/16	22 3/16	11	17		10 5/8		
20	143T, 145T 182T, 184T	1 7/16-CL-I	21 1/4	17 1/4	14	20	15	23 3/4	25 3/8	26	9 7/8	32 5/8	22 3/16	15 3/4	2	9	11 9/16	17	10 3/8	10 5/8	1/2			
	184T	1 7/16-CL-II						23 3/4				26				32 5/8	33 3/8	22 3/16	11 9/16	17		10 3/8	10 5/8	
	213T, 215T	1 11/16-CL-III						23 3/4				26				33 3/8	34	22 3/16	11 9/16	17		10 3/8	10 5/8	
22 1/4	143T, 145T 182T, 184T	1 7/16-CL-I	23 5/8	19 1/8	15 1/2	22 1/8	16 1/2	26 3/4	27 3/8	26	10 13/16	34 11/16	22 3/16	17 5/8	2	9 15/16	12 1/2	17	11 7/8	10 5/8	1/2			
	184T	1 7/16-CL-II						26 3/4				26				34 9/16	33 13/16	22 3/16	12 1/2	17		11 7/8	10 5/8	
	213T, 215T	1 11/16-CL-III						26 3/4				26				33 13/16	34 15/16	22 3/16	12 1/2	17		11 7/8	10 5/8	
24 1/2	143T, 145T 182T, 184T	1 7/16-CL-I	26	21 1/8	17	24 3/8	18	29	29 7/8	29	11 11/16	35 5/8	25 11/16	19 3/8	2	10 13/16	13 3/8	20 1/2	13	11 13/16	15/16			
	184T	1 7/16-CL-II						29				29				35 5/8	39 5/16	25 11/16	13 3/8	20 1/2	13	11 13/16		
	213T, 215T	1 11/16-CL-III						29				29				39 5/16	40 7/8	25 11/16	13 3/8	20 1/2	13	11 13/16		
27	143T, 145T 182T, 184T	1 11/16-CL-I	28 5/8	23 1/8	18 3/4	26 3/4	20 1/8	32	33 3/8	33	12 5/8	40 7/8	28 3/16	21 1/4	2	11 3/4	14 5/16	23	14 1/2	14 1/8	3/4			
	184T	1 11/16-CL-II						32				33				40 7/8	41 5/8	28 3/16	14 5/16	23		14 1/2	14 1/8	
	213T, 215T	1 15/16-CL-III						32				33				41 5/8	42 3/4	28 3/16	14 5/16	23		14 1/2	14 1/8	
30	143T, 145T 182T, 184T	1 15/16-CL-I	32 3/4	25 5/8	20 3/4	29 3/4	23 1/8	38	36 3/8	36	13 5/8	42 3/4	30 3/16	23 1/4	2 1/2	13	15 5/16	25	17 1/2	15 1/4	1/8			
	184T	1 15/16-CL-II						38				36				42 3/4	44 5/16	30 3/16	15 5/16	25		17 1/2	15 1/4	
	213T, 215T	2 7/16-CL-III						38				36				44 5/16	44 3/4	30 3/16	15 5/16	25		17 1/2	15 1/4	
33	143T, 145T 182T, 184T	1 15/16-CL-I	36	28 1/8	22 3/4	32 5/8	25 1/8	38	39 3/8	40	14 3/4	45 1/4	34 3/16	25 1/2	2 1/2	14 1/8	16 7/16	29	17 1/2	20 1/4	1/8			
	184T	1 15/16-CL-II						38				39				45 1/4	47 7/8	34 3/16	16 7/16	29		17 1/2	20 1/4	
	213T, 215T	2 7/16-CL-III						38				39				47 7/8	51 9/16	34 3/16	16 7/16	29		17 1/2	20 1/4	
36 1/2	143T, 145T 182T, 184T	1 15/16-CL-I	39 3/4	31 1/8	25 1/8	36	27 5/8	41 1/2	42 7/8	44	16 1/8	47 7/8	34 3/16	28 1/4	2 1/2	15 7/16	17 7/8	29	19 1/4	21 3/4	1/8			
	184T	1 15/16-CL-II						41 1/2				42				47 7/8	49 1/2	34 3/16	17 7/8	29		19 1/4	21 3/4	
	213T, 215T	2 7/16-CL-III						41 1/2				42				49 1/2	51 1/4	34 3/16	17 7/8	29		19 1/4	21 3/4	
40 1/4	143T, 145T 182T, 184T	2 3/16-CL-I	42 1/16	34 1/4	27 5/8	39 5/8	30 7/16	45 1/2	46 7/8	44	18	51 1/4	34 3/16	32	2 1/2	17 3/8	19 11/16	29	21 1/4	21 3/4	1 5/8			
	184T	2 3/16-CL-II						45 1/2				46				51 1/4	52 1/4	34 3/16	19 11/16	29		21 1/4	21 3/4	
	213T, 215T	2 7/16-CL-III						45 1/2				46				52 1/4	54 1/4	34 3/16	19 11/16	29		21 1/4	21 3/4	
44 1/2	143T, 145T 182T, 184T	2 3/16-CL-I	46 5/8	37 13/16	30 1/2	43 3/4	32 7/8	50	51 3/8	52	19 5/8	54 1/4	34 3/16	35 1/4	2 1/2	19	21 5/16	29	23 1/2	26 3/8	1 11/16			
	184T	2 3/16-CL-II						50				51				54 1/4	55 3/4	34 3/16	21 5/16	29		23 1/2	26 3/8	
	213T, 215T	2 7/16-CL-III						50				51				55 3/4	58 3/4	34 3/16	21 5/16	29		23 1/2	26 3/8	

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

SPECIAL FEATURES

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

CUSTOMER _____ P.O.# _____

JOB NAME _____

LOCATION _____



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

TITLE: **UNIFOIL FAN-DESIGN 3000**
GENERAL ASSEMBLY - BAU - SIZES 12 1/4 - 44 1/2

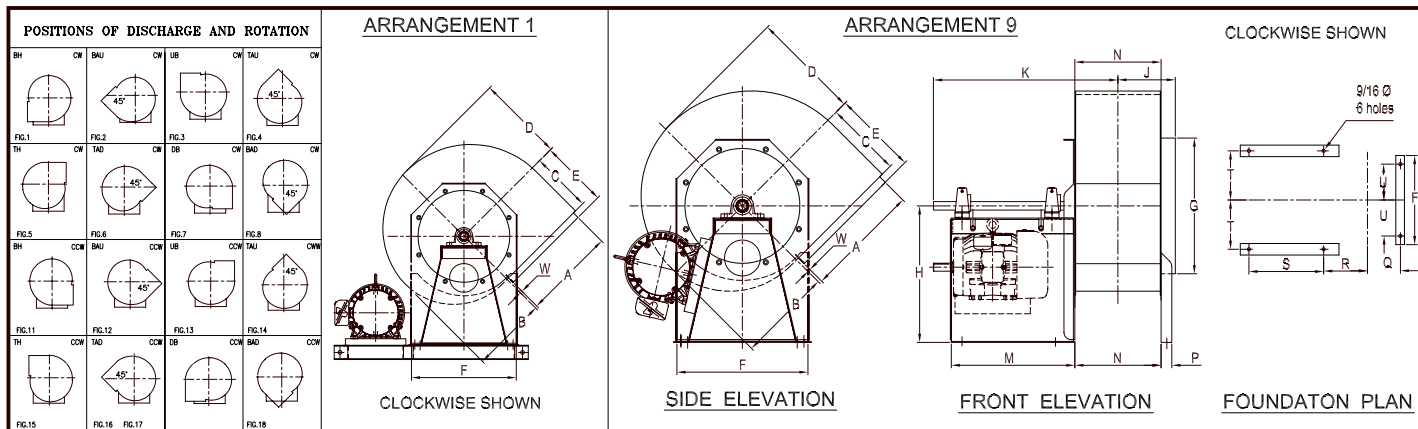
DRW : S.P. CUST.

DATE: JAN.2002

CHK: DWG. NO.

SCALE : NOT SHOWN

CD-3000-BAU



FAN SIZE	MOTOR FRAME	SHAFT AT BEARINGS	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	U	T	W	
12 1/4	143T, 145T 182T	1 3/16-CL-I	13 1/8	10 7/8	8 7/8	12 1/2	10 1/8	15 1/2	16 1/8	19	6 15/16	24 11/16	17 3/16	9 7/8	1 1/2	5 3/4	7 5/8	13	6 1/4	8 9/16	1/4	
	184T	1 3/16-CL-II						17 1/2				24 15/16										
	213T, 215T	1 7/16-CL-III						22				28 1/16										19 3/16
13 1/2	143T, 145T 182T	1 3/16-CL-I	14 3/8	11 7/8	9 5/8	13 3/4	11 5/8	16 3/4	17 3/8	19	7 3/8	25 1/8	17 3/16	10 3/4	1 1/2	6 3/16	8 1/16	13	6 7/8	8 9/16	3/8	
	184T	1 3/16-CL-II						17 1/2				25 3/8										
	215T	1 7/16-CL-III						22				28 1/2										19 3/16
15	143T, 145T 182T	1 3/16-CL-I	16	13 1/8	10 5/8	15 1/8	11 3/4	18 1/4	18 7/8	19	8	25 3/4	17 3/16	12	1 1/2	6 13/16	8 11/16	13	7 5/8	8 9/16	3/8	
	184T	1 3/16-CL-II						26				26										
	213T	1 7/16-CL-III						22				29 1/8										19 3/16
16 1/2	143T, 145T 182T, 184T	1 3/16-CL-I	17 5/8	14 3/8	11 5/8	16 5/8	12 3/4	19 3/4	20 3/8	22	8 9/16	26 5/16	17 3/16	13 1/8	1 1/2	7 3/8	9 1/4	13	8 3/8	9 5/8	3/8	
	213T, 215T	1 3/16-CL-II						26				26 9/16										19 3/16
	254T, 256T	1 7/16-CL-III						26				29 11/16										22 3/16
18 1/4	143T, 145T 182T, 184T	1 3/16-CL-I	19 1/4	15 7/8	12 7/8	18 1/4	13 7/8	22	23 3/8	22	9 1/4	27	17 3/16	14 9/16	1 1/2	8 1/8	10	13	9 1/2	8 9/16	5/8	
	213T, 215T	1 7/16-CL-II						26				27 1/4										19 3/16
	254T, 256T	1 11/16-CL-III						26				30 3/8										22 3/16
20	143T, 145T 182T, 184T	1 7/16-CL-I	21 1/4	17 1/4	14	20	15	23 3/4	25 3/8	22	9 7/8	27 5/8	17 3/16	15 3/4	2	9	10 9/16	13	9 5/8	8 9/16	1/2	
	213T, 215T	1 11/16-CL-II						26				27 7/8										19 3/16
	254T, 256T	1 15/16-CL-III						26				31										22 3/16
22 1/4	143T, 145T 182T, 184T	1 7/16-CL-I	23 5/8	19 1/8	15 1/2	22 1/8	16 1/2	26 3/4	27 3/8	22	10 13/16	30 9/16	19 3/16	17 5/8	2	9 15/16	11 1/2	15	11 7/8	9 5/8	1/2	
	213T	1 11/16-CL-II						26				30 13/16										22 3/16
	254T	1 15/16-CL-III						26				31 15/16										25 11/16
24 1/2	182T, 184T 213T	1 7/16-CL-I	26	21 1/8	17	24 3/8	18	29	29 7/8	22	11 11/16	31 11/16	19 3/16	19 3/8	2	10 13/16	12 3/8	15	13	9 5/8	15/16	
	215T	1 11/16-CL-II						26				32 13/16										25 11/16
	254T	2 3/16-CL-III						26				36 1/2										22 3/16
27	182T, 184T 213T	1 11/16-CL-I	28 5/8	23 1/8	18 3/4	26 3/4	20 1/8	32	33 3/8	29	12 5/8	35 5/8	25 11/16	21 1/4	2	11 3/4	14 5/16	17	14 1/2	10 5/8	3/4	
	215T	1 15/16-CL-II						33				37 7/16										25 11/16
	254T, 256T	2 3/16-CL-III						33				41 13/16										28 3/16
30	182T, 184T 213T, 215T	1 15/16-CL-I	32 3/4	25 5/8	20 3/4	29 3/4	23 1/8	35	36 3/8	29	13 5/8	40 1/8	25 11/16	23 1/4	2 1/2	13	15 5/16	20 1/2	16	11 13/16	1/8	
	254T, 256T	2 3/16-CL-II						33				41 1/4										28 3/16
	324T, 326T	2 7/16-CL-III						33				42 13/16										28 3/16
33	213T, 215T	1 15/16-CL-I	36	28 1/8	22 3/4	32 5/8	25 1/8	38	39 3/8	29	14 3/4	41 1/4	25 11/16	25 1/2	2 1/2	14 1/8	16 7/16	20 1/2	17 1/2	11 13/16	1/8	
	254T, 256T	2 3/16-CL-II						36				43 1/16										28 3/16
	324T, 326T	2 7/16-CL-III						36				46 7/8										30 3/16
36 1/2	213T, 215T	1 15/16-CL-I	39 3/4	31 1/8	25 1/8	36	27 5/8	41 1/2	42 7/8	33	16 1/8	46 1/4	28 3/16	28 1/4	2 1/2	15 7/16	17 7/8	23	19 1/4	14 1/8	1/8	
	254T	2 3/16-CL-II						36				48 1/4										30 3/16
	254T, 256T	2 7/16-CL-III						36				51 1/4										30 3/16
40 1/4	213T, 215T	2 3/16-CL-I	42 1/16	34 1/4	27 5/8	39 5/8	30 7/16	45 1/2	46 7/8	36	18	50 1/8	30 3/16	32	2 1/2	17 3/8	19 11/16	25	21 1/4	15 1/4	1 5/8	
	254T, 256T	2 3/16-CL-II						36				51 11/16										30 3/16
	324T	2 7/16-CL-III						36				52 1/8										30 3/16
44 1/2	213T, 215T	2 3/16-CL-I	46 5/8	37 13/16	30 1/2	43 3/4	32 7/8	50	51 3/8	40	19 5/8	55 3/4	34 3/16	35 1/4	2 1/2	19	21 3/16	29	23 1/2	20 1/4	1 11/16	
	254T, 256T	2 3/16-CL-II						40				57 5/16										34 3/16
	324T, 326T	2 7/16-CL-III						40				57 3/4										34 3/16

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

SPECIAL FEATURES

A=FLANGED OUTLET
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 C=INLET VOLUME CONTROL
 D=OUTLET DAMPER
 E=CLEANOUT DOOR
 1.QUICK CLAMP
 2.BOLTED
 3.PLUG
 F=SHAFT COOLER
 G=HOUSING DRAIN
 H=INLET SCREEN
 J=SHAFT SEAL

K=SPLIT HOUSING
 L=BELT GUARD
 M=SHAFT AND BEARING GUARD
 N=UNITARY BASE
 P=INLET COLLAR
 Q=EXTENDED GREASE LEADS
 R=SPARK RESISTANT CONSTRUCTION, TYPE 'C'
 S=SPECIAL FINISH-SEE NOTES

CUSTOMER _____ P.O.# _____

JOB NAME _____

LOCATION _____

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 sales@sheldonsengineering.com

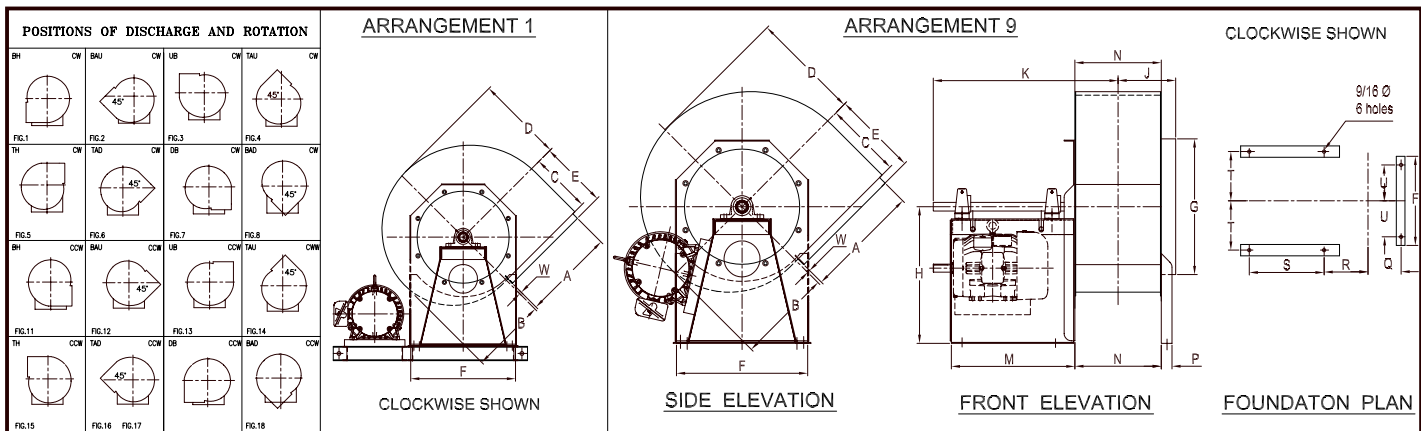
TITLE: UNIFOIL FAN-DESIGN 3000
 GENERAL ASSEMBLY - DB - SIZES 12 1/4 - 44 1/2

DRW : S.P. **CUST.** _____


DATE: JAN.2002

CHCK: _____

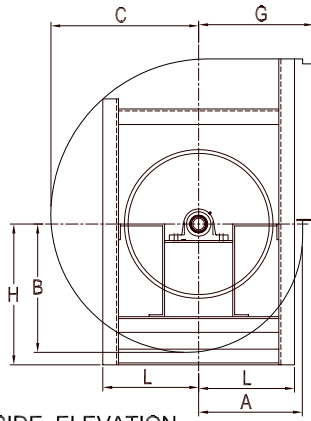
SCALE : NOT SHOWN **DWG. NO.** **CD-3000-DB**



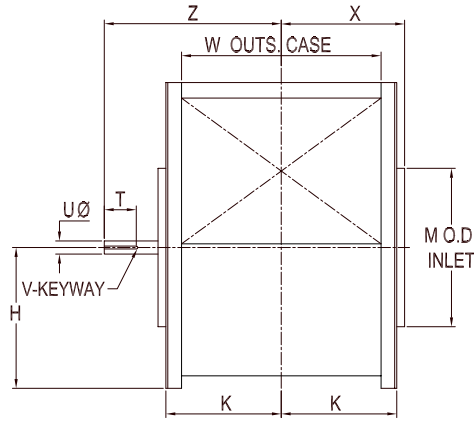
FAN SIZE	MOTOR FRAME	SHAFT AT BEARINGS	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	U	T	W	
12 1/4	143T, 145T 182T	1 3/16-CL-I	13 1/8	10 7/8	8 7/8	12 1/2	10 1/8	15 1/2	16 1/8	19	6 15/16	24 11/16	17 3/16	9 7/8	1 1/2	5 3/4	7 5/8	13	6 1/4	8 9/16	1/4	
	184T	1 3/16-CL-II						17 1/2				24 15/16										25 1/8
	213T, 215T	1 7/16-CL-III						22				28 1/16										19 3/16
13 1/2	143T, 145T 182T	1 3/16-CL-I	14 3/8	11 7/8	9 5/8	13 3/4	11 5/8	16 3/4	17 3/8	19	7 3/8	25 3/8	17 3/16	10 3/4	1 1/2	6 3/16	8 1/16	13	6 7/8	8 9/16	3/8	
	213T	1 3/16-CL-II						22				25 1/8										19 3/16
	215T	1 7/16-CL-III						22				28 1/2										19 3/16
15	143T, 145T 182T	1 3/16-CL-I	16	13 1/8	10 5/8	15 1/8	11 3/4	18 1/4	18 7/8	19	8	25 3/4	17 3/16	12	1 1/2	6 13/16	8 11/16	13	7 5/8	8 9/16	3/8	
	184T	1 3/16-CL-II						26				26										19 3/16
	213T	1 3/16-CL-II						22				29 1/8										19 3/16
16 1/2	143T, 145T 182T, 184T	1 3/16-CL-I	17 5/8	14 3/8	11 5/8	16 5/8	12 3/4	19 3/4	20 3/8	22	8 9/16	26 5/16	17 3/16	13 1/8	1 1/2	7 3/8	9 1/4	13	8 3/8	9 5/8	3/8	
	213T, 215T	1 3/16-CL-II						26				26 9/16										19 3/16
	254T, 256T	1 7/16-CL-III						26				29 11/16										19 3/16
18 1/4	143T, 145T 182T, 184T	1 3/16-CL-I	19 1/4	15 7/8	12 7/8	18 1/4	13 7/8	22	23 3/8	22	9 1/4	27	17 3/16	14 9/16	1 1/2	8 1/8	10	13	9 1/2	8 9/16	5/8	
	213T, 215T	1 7/16-CL-II						26				27 1/4										19 3/16
	254T, 256T	1 11/16-CL-III						26				30 3/8										22 3/16
20	143T, 145T 182T, 184T	1 7/16-CL-I	21 1/4	17 1/4	14	20	15	23 3/4	25 3/8	22	9 7/8	27 5/8	17 3/16	15 3/4	2	9	10 9/16	13	8 9/16	1/2		
	213T, 215T	1 11/16-CL-II						26				27 7/8									19 3/16	
	254T, 256T	1 15/16-CL-III						26				31									19 3/16	
22 1/4	143T, 145T 182T, 184T	1 7/16-CL-I	23 5/8	19 1/8	15 1/2	22 1/8	16 1/2	26 3/4	27 3/8	22	10 13/16	34 11/16	22 3/16	17 5/8	2	9 15/16	11 1/2	15	11 7/8	9 5/8	1/2	
	215T	1 11/16-CL-II						26				30 9/16										19 3/16
	254T, 256T	1 15/16-CL-III						26				30 13/16										19 3/16
24 1/2	182T, 184T 213T	1 7/16-CL-I	26	21 1/8	17	24 3/8	18	29	29 7/8	22	11 11/16	31 11/16	19 3/16	19 3/8	2	10 13/16	12 3/8	15	13	9 5/8	15/16	
	215T	1 11/16-CL-II						26				31 5/8										22 3/16
	254T, 256T	2 3/16-CL-III						26				33 1/2										22 3/16
27	182T, 184T 213T	1 11/16-CL-I	28 5/8	23 1/8	18 3/4	26 3/4	20 1/8	32	33 3/8	29	12 5/8	35 5/8	22 3/16	21 1/4	2	11 3/4	14 5/16	17	14 1/2	10 5/8	3/4	
	215T	1 15/16-CL-II						33				37 7/16										25 11/16
	254T, 256T	2 3/16-CL-III						33				41 13/16										28 3/16
30	182T, 184T 213T, 215T	1 15/16-CL-I	32 3/4	25 5/8	20 3/4	29 3/4	23 1/8	35	36 3/8	29	13 5/8	40 1/8	25 11/16	23 1/4	2 1/2	13	15 5/16	20 1/2	16	11 13/16	1/8	
	215T	2 3/16-CL-II						33				41 1/4										28 3/16
	254T, 256T	2 7/16-CL-III						33				41 15/16										28 3/16
33	213T, 215T 254T, 256T	1 15/16-CL-I	36	28 1/8	22 3/4	32 5/8	25 1/8	38	39 3/8	29	14 3/4	42 3/8	25 11/16	25 1/2	2 1/2	14 1/8	16 7/16	20 1/2	17 1/2	11 13/16	1/8	
	215T	2 3/16-CL-II						33				43 1/16										28 3/16
	254T, 256T	2 7/16-CL-III						33				43 7/8										30 3/16
36 1/2	213T, 215T 254T	1 15/16-CL-I	39 3/4	31 1/8	25 1/8	36	27 5/8	41 1/2	42 7/8	33	16 1/8	46 15/16	28 3/16	28 1/4	2 1/2	15 7/16	17 7/8	23	19 1/4	14 1/8	1/8	
	215T	2 3/16-CL-II						36				47 13/16										30 3/16
	254T, 256T	2 7/16-CL-III						36				48 1/4										30 3/16
40 1/4	213T, 215T 254T, 256T	2 3/16-CL-I	42 1/16	34 1/4	27 5/8	39 5/8	30 7/16	45 1/2	46 7/8	36	18	50 1/8	30 3/16	32	2 1/2	17 3/8	19 11/16	25	21 1/4	15 1/4	1 5/8	
	215T	2 3/16-CL-II						36				51 1/4										30 3/16
	254T, 256T	2 7/16-CL-III						36				51 11/16										30 3/16
44 1/2	213T, 215T 254T, 256T	2 3/16-CL-I	46 5/8	37 13/16	30 1/2	43 3/4	32 7/8	50	51 3/8	40	19 5/8	53 1/8	34 3/16	35 1/4	2 1/2	19	21 3/16	29	23 1/2	20 1/4	1 11/16	
	215T	2 3/16-CL-II						36				53 7/8										30 3/16
	254T, 256T	2 7/16-CL-III						36				55 3/4										30 3/16

ITEM NO	IDENTIFICATION	NO REQ'D	FAN SIZE	DISCH. & ROT.	CL	WHL TYPE	PERFORMANCE					MOTOR DATA									
							CFM	S.P.	R.P.M.	B.H.P.	TEMP.	ELEV.	HP	RPM	CURRENT	FRAME	TYPE				
SPECIAL FEATURES							CUSTOMER _____ P.O.# _____														
A=FLANGED OUTLET							JOB NAME _____														
B=FLANGED INLET							LOCATION _____														
C=INLET VOLUME CONTROL							 SHELDONS ENGINEERING www.sheldonsengineering.com sales@sheldonsengineering.com														
D=OUTLET DAMPER																					
E=CLEANOUT DOOR							TITLE: UNIFOIL FAN-DESIGN 3000														
1. QUICK CLAMP							GENERAL ASSEMBLY - TAD - SIZES 12 1/4 - 44 1/2														
2. BOLTED							DRW : S.P. _____ CUST. _____														
3. PLUG							DATE: JAN. 2002 _____														
F=SHAFT COOLER							CHK: _____														
G=HOUSING DRAIN							SCALE: NOT SHOWN _____														
H=INLET SCREEN							CD-3000-TAD														
J=SHAFT SEAL																					

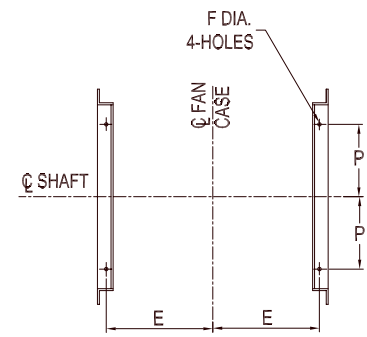
CLOCKWISE SHOWN



SIDE ELEVATION



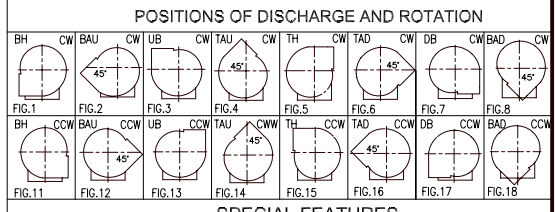
FRONT ELEVATION



FOUNDATION PLAN

FAN SIZE	CL I		CL II		A	B	C	D	E	F	G		H						K	L	M	P	T	W	X	Z
	U	V	U	V							STD	TAD	BH	BAU	UB	TAU	TH	TAD								
12 1/4	1 3/16	1/4x1/8	1 11/16	3/8x3/16	8 7/16	10 7/16	12 1/16	13 3/8	9 1/2	7/16	11 1/2	16 1/4	15 1/2	14 1/4	13 1/2	13	12	13	10 1/8	10	16	6	4	17 1/4	10 1/8	15 1/2
13 1/2	1 7/16	3/8x3/16	1 11/16	3/8x3/16	9 3/16	11 7/16	13 5/16	14 3/4	10 3/8	7/16	12 1/2	17 1/2	17	15 3/4	15	14	13	14	11	10 3/4	17 1/4	6 3/4	4	19	11	16 1/4
15	1 7/16	3/8x3/16	1 11/16	3/8x3/16	10 3/16	12 11/16	14 11/16	16 3/8	11 3/8	7/16	13 1/4	18 1/4	18 1/2	17	16 1/4	15 1/4	14 1/4	14 1/4	12	11 1/2	18 3/4	7	4	21	12	17 1/4
16 1/2	1 11/16	3/8x3/16	1 15/16	1/2x1/4	11 3/16	13 15/16	16 3/16	18	12 7/16	7/16	14 1/4	19 1/2	20 1/4	18 1/2	17 3/4	16 3/4	15 1/2	15 1/2	13 1/16	12 1/4	20 1/4	7 3/4	4 1/2	23 1/8	13 1/16	19 1/4
18 1/4	1 11/16	3/8x3/16	1 15/16	1/2x1/4	12 7/17	15 7/16	17 13/16	19 7/8	13 5/8	7/16	15 1/2	22	22	20 1/4	19 1/2	18 1/4	17	14 1/4	13 3/4	23 1/4	9 1/4	4 1/2	25 1/2	14 1/4	20 1/2	
20	1 15/16	1/2x1/4	1 15/16	1/2x1/4	13 9/16	16 13/16	19 9/16	21 3/4	14 7/8	9/16	16 1/2	23 1/2	24	22 1/4	21 1/4	19 3/4	18 1/2	18 1/2	15 1/2	14 3/4	25 1/4	9 1/4	4 1/2	28	15 1/2	22
22 1/4	1 15/16	1/2x1/4	1 15/16	1/2x1/4	15 1/16	18 11/16	21 11/16	24 1/8	16 3/8	9/16	17 3/4	24 3/4	26 1/2	24 1/2	23 1/4	22	20 1/2	18 1/2	17	15 3/4	27 1/4	10 1/4	5	31	17	24
24 1/2	2 3/16	1/2x1/4	2 3/16	1/2x1/4	16 9/16	20 11/16	23 15/16	26 5/8	18	9/16	19	26	29 1/2	27	25 1/2	24	22 1/2	20	18 5/8	17	29 3/4	11 1/2	5	34 1/4	19 1/8	26
27	2 3/16	1/2x1/4	2 3/16	1/2x1/4	18 5/16	22 11/16	26 3/16	29 3/8	20 1/4	11/16	21	31	32 1/2	29	27 1/2	26 1/2	24 1/2	23	21 3/8	20	33 1/4	12 1/2	6	37 3/4	20 7/8	29
30	2 3/16	1/2x1/4	2 3/16	1/2x1/4	20 5/16	25 3/16	29 5/16	32 5/8	22 3/8	11/16	23	33	35	32	30 1/2	28 1/2	26 1/2	24 1/2	23 1/2	21 1/2	36 1/4	14	6	42	23	31 1/2
33	2 3/16	1/2x1/4	2 7/16	5/8x5/16	22 5/16	27 11/16	32 3/16	35 7/8	24 7/16	11/16	25	35	38 1/2	35	33 1/2	31 1/2	29	26 1/2	25 9/16	23	39 1/4	15 1/2	7	46 1/8	25 1/16	37
36 1/2	2 3/16	1/2x1/4	2 7/16	5/8x5/16	24 11/16	30 11/16	35 9/16	39 5/8	26 7/8	11/16	27 1/2	38	42 1/2	39	37	34 1/2	32	29	28	25	42 3/4	17 1/2	7	51	27 1/2	39 1/2
40 1/4	2 7/16	5/8x5/16	3 3/16	3/4x3/8	27 3/16	33 13/16	39 3/16	43 3/4	29 7/8	11/16	30 1/2	42 1/2	47	43	40 1/2	38	35	32	31 1/8	28	46 3/4	19	7	56 1/4	30 5/8	42
44 1/2	2 7/16	5/8x5/16	3 3/16	3/4x3/8	29 15/16	37 5/16	43 7/8	48 3/8	32 13/16	11/16	33 1/2	46 1/2	51 1/2	47	44 1/2	42	38 1/2	35	34 1/16	30 1/2	51 1/4	21 1/2	8	62 1/8	33 9/16	46
49	2 7/16	5/8x5/16	3 3/16	3/4x3/8	33 1/16	41 1/16	47 11/16	53 1/8	36	11/16	36 1/2	50	56 1/2	52	49	46	42 1/2	38 1/2	37 1/4	33	55 3/4	24	8	68 1/2	36 3/4	49
54 1/4	2 7/16	5/8x5/16	3 11/16	7/8x7/16	36 9/16	45 7/16	52 13/16	58 7/8	39 5/8	11/16	40	52 1/2	62	57	54	50 1/2	47	42 1/2	40 7/8	35	56 3/4	26	8	75 3/4	40 9/16	53
60	2 7/16	5/8x5/16	3 11/16	7/8x7/16	40 9/16	50 5/16	58 7/16	65	44 3/8	7/8	44 1/2	61	69	63	60	56	52	47	45 7/8	40	62 1/2	28	9	83 3/4	45 1/16	58 1/2
66	3 11/16	3/4x3/8	3 11/16	7/8x7/16	44 9/16	55 5/16	64 3/16	71 1/2	48 1/2	7/8	48 1/2	65	76	69	66	62	57	52	50	43	68 1/2	31	10	92	49 3/16	64
73	3 11/16	7/8x7/16	3 15/16	1x1/2	49 3/16	61 3/16	71 1/16	79 1/8	53 1/2	7/8	53	71	83	76	73	68	63	57	55	47	76	35	11	102	54 3/16	70 1/2
80 3/4	3 11/16	7/8x7/16	5 3/16	1 1/4x5/8	54 7/16	67 11/16	78 9/16	87 1/2	58 7/8	7/8	58 1/2	76	92	84	81	75	70	63	60 3/8	51	84	39	11	112 3/4	59 9/16	77

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



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

CUSTOMER _____ P.O.# _____

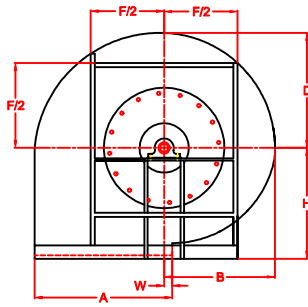
JOB NAME _____

LOCATION _____

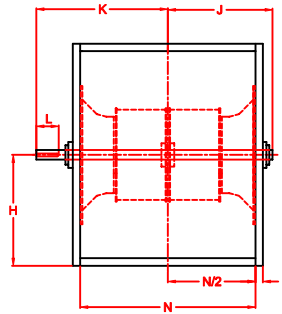
SHELDONS ENGINEERING
 www.sheldonsengineering.com
 sales@sheldonsengineering.com

TITLE: **UNIFOIL FAN-DESIGN 3000**
GENERAL ASSEMBLY - SIZES 12 1/4 - 44 1/2 - 80 3/4

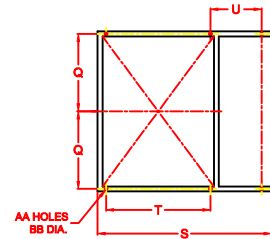
DRW: S.P. CUST.
 DATE: SEP.2002
 CHCK: _____ DWG. NO.
 SCALE: NTS **CD-3000-D.W.D.I.**



SIDE ELEVATION (drive side)
DOWN BLAST
COUNTER CLOCKWISE



FRONT ELEVATION



FOUNDATION (plan)

DIMENSIONS - INCHES

FAN SIZE	WHEEL DIA.	SHAFT AT BEARINGS		KEYWAY		A	B	D	F	H	J		K	
		CL I	CL II	CL I	CL II						CL I	CL II	CL I	CL II
44 1/2	44 1/2	2 15/16	3 11/16	3/4x3/8	7/8x7/16	46 1/2	33 13/16	40 7/16	55 1/4	32 3/4	37 17/32	39 17/32	45 9/16	48 5/8
49	49	3 7/16	3 15/16	7/8x7/16	1x1/2	51 1/16	37 11/32	44 21/32	61	35 1/2	41 29/32	42 29/32	51	52 1/16
54 1/4	54 1/4	3 7/16	3 7/16	7/8x7/16	7/8x7/16	56 13/16	41 1/8	49 3/16	67 1/4	38 3/4	45 15/32	45 15/32	54 9/16	54 9/16
60	60	3 3/16	3 11/16	3/4x3/8	7/8x7/16	62 13/16	45 13/32	54 3/8	74 1/4	42 1/2	49 15/32	50 19/32	58 7/16	59 5/8

FAN SIZE	L		N	P	Q	U	T	W	S	AA	BB
	CL I	CL II									
44 1/2	7	8	63 7/16	3	33 15/32	22 5/8	40 9/16	3 15/16	73 3/16	6	7/8
49	8	8	70 1/8	3	36 13/16	25 1/2	45 1/16	4	80 9/16	6	7/8
54 1/4	8	8	77 1/4	3	40 3/8	28 5/8	49 7/8	4 15/16	88 1/2	6	7/8
60	8	8	85 7/16	3	44 15/32	32 1/8	55 3/8	5 7/16	97 1/2	6	7/8

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	SPECIAL FEATURES	SPECIAL FEATURES	
		MTR.SHEAVE	FAN SHEAVE	BELTS				CENTER	C=INLET VOLUME CONTROL

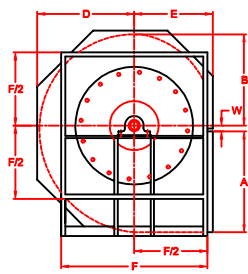
NOTES

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

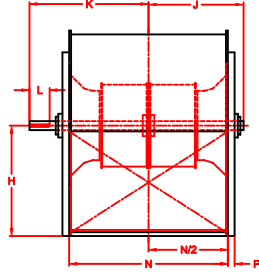
CUSTOMER _____
P.O.# _____
JOB NAME _____
LOCATION _____


SERIES 3000 CENTRIFUGAL FANS
DIDW - ARRANGEMENT 3 CL. I & II
SIZES 44 1/2 TO 60
SHELDONS ENGINEERING
 www.sheldonsengineering.com
 sales@sheldonsengineering.com

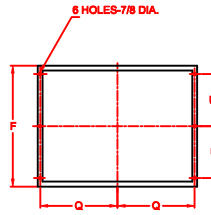
FURNISHED FOR SALES PURPOSES-DIMENSIONS NOT CERTIFIED BY S.E.	DATE	SUBMITTED BY	SALES OFFICE
DRAWING CERTIFIED BY S.E. FURNISHED FOR APPROVAL-NOT RELEASED FOR PRODUCTION	DATE	ENGINEER	SO#
DRAWING CERTIFIED BY S.E. APPROVAL-NOT REQUIRED-RELEASED FOR PRODUCTION	DATE	ENGINEER	DWG#



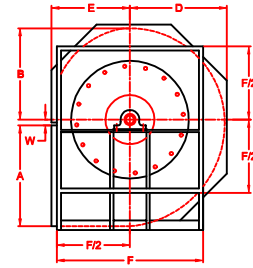
SIDE ELEVATION (drive side)
BOTTOM HORIZONTAL
COUNTER CLOCKWISE



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 TAD	J	K	L	N	P	Q	U	W	BB	CC	DD	FF	MIN. FAN SHEAVE DIA.
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	F=INLET SCREEN	H=SPLIT HOUSING	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.
DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE

CUSTOMER _____ P.O.# _____
JOB NAME _____
LOCATION _____



**SERIES 3000 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#