NSF/CTF FEATURES

FRP SIROCCO FAN
MODEL NSF

Model NSF Sirocco Fan is made of the thick FRP sheets offering great safe and mechanical strength. The indented round shape of the suction and discharge opening facilitates connection of the fan to a duct.

• Round suction and discharge flange of identical size

The adoption of round flanges of identical dimension on both the suction and discharge openings has greatly enhanced piping in comparison with the conventional square flanges. Moreover, easy sleeve piping is now possible due to the fact that a duct flange can be employed as a companion flange on fans with a flange size of 500A or less.

• Excellent corrosion resistance

•Casing
FRP material having outstanding chemical resistance has been employed. Besides being rigid against external impact, it has a higher working temperature range than PVC, and has the added advantage of being lighter than metal casing.
•Impeller
While, integral models have been employed in the fabrication of the impellers of NSF-302~402 models which have superb chemical resistance and enhanced mechanical strength.

• Wider capacity range

In comparison with our conventional models, higher static pressure and extended gas volume range achieved with the new model NSF make them more economical.

MEDIUM-PRESSURE FRPP CENTRAL DISCHARGE TURBOFAN
MODEL CTF

Model CTF has an excellent reputation for outstanding value and energy efficiency in medium-pressure-range (1.0–2.0 kPa) applications. This new model features an FRPP central discharge casing offering corrosion resistance and high mechanical strength. As a result, it is easier to operate and maintain.

• Turbofan with standardized central discharge

The use of clockwise rotation alone for central discharge reduces the number of rotating discharge directions to three compared with the six directions available with conventional models. This eliminates troublesome selection of the discharge direction. What's more, both the suction and discharge flanges are round and of the same size, simplifying duct alignment. The layout of the fan is similar to that of elbow piping.

• Ease of maintenance

An easily removable suction cone is provided that allows for simple removal of the impeller through effortless disconnection of the duct on the suction side. Both checking and cleaning of the inside of the casing and replacement of the impeller can be performed with ease.

• Excellent corrosion resistance

FRP impellers made with special resin under our proprietary new manufacturing technology ensures that the turbofan can be used for almost all chemical and gas applications except for those involving solvents and organic compounds.

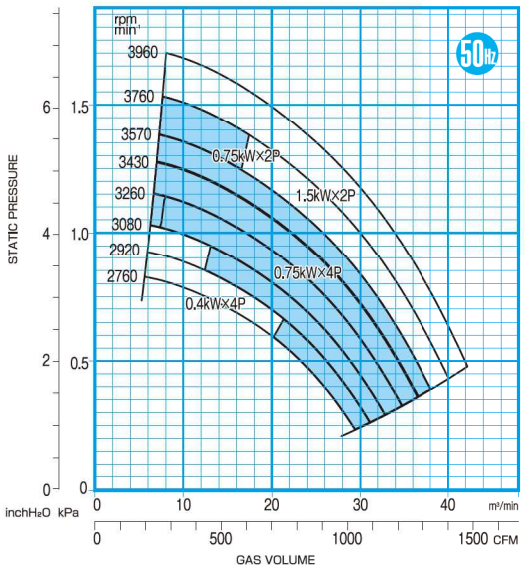
Typical applications:

- As a corrosive gas fan/blower in a chemical or pharmaceutical plant
- As a draft chamber fan/blower in a chemical laboratory treating various gases
- As a fan/blower in a biotechnology research laboratory or experimental semiconductor laboratory
- As fan/blower in kitchen facilities
- As an odorous gas fan/blower in a sewage treatment facility
- As a fan /blower to eliminate coastal salt pollution

CTF/FTF 50Hz CAPACITY RANGE CHART

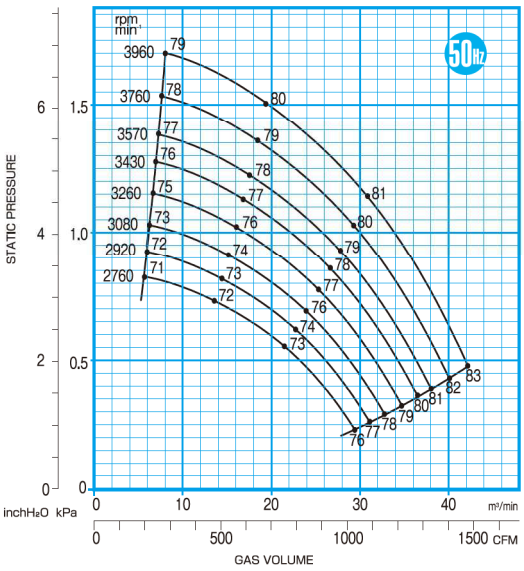
CTF151

CAPACITY RANGE CHART



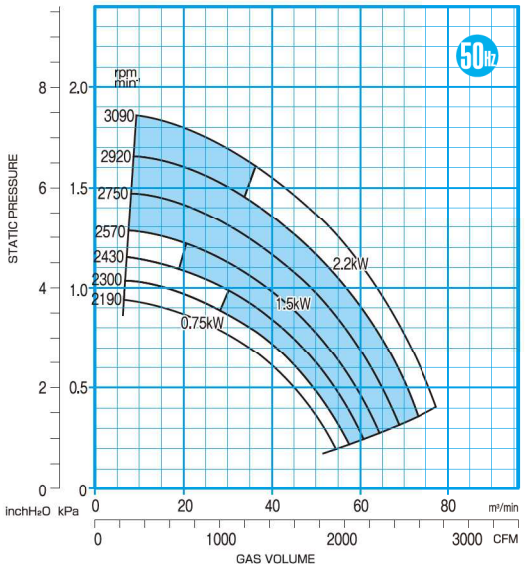
SOUND LEVEL

dB(A)



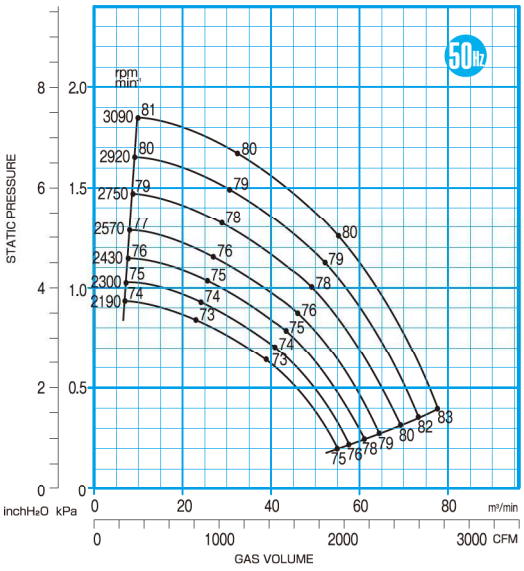
CTF201

CAPACITY RANGE CHART



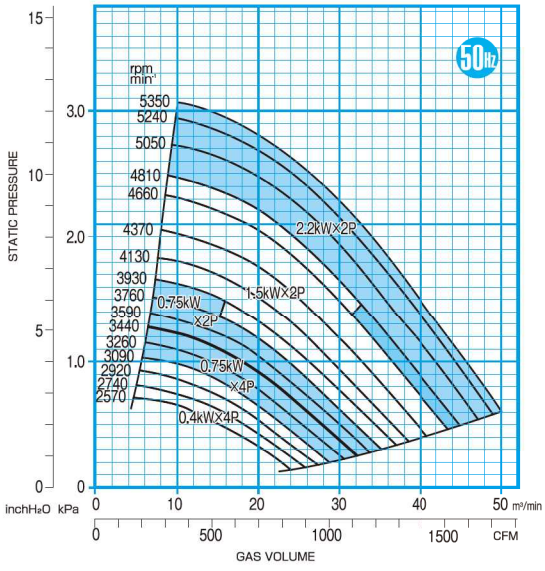
SOUND LEVEL

dB(A)



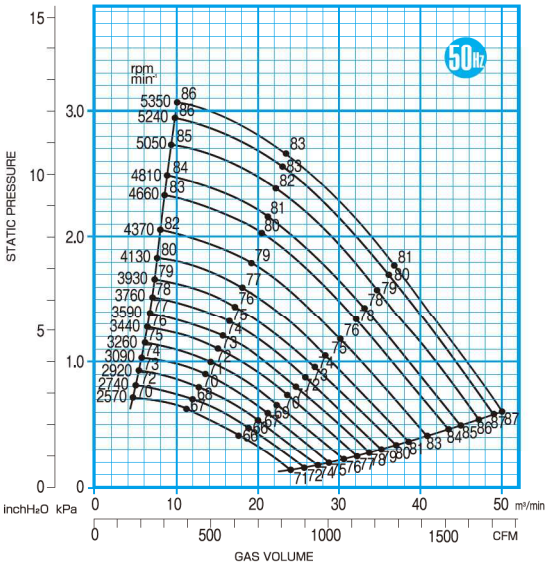
FTF153

CAPACITY RANGE CHART



SOUND LEVEL

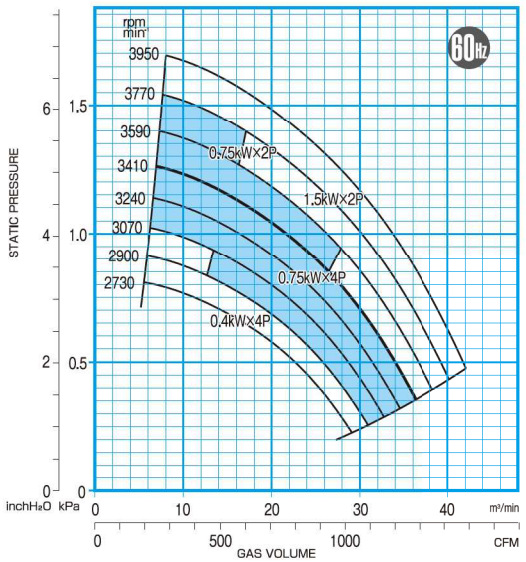
dB(A)



CTF/FTF 60Hz CAPACITY RANGE CHART

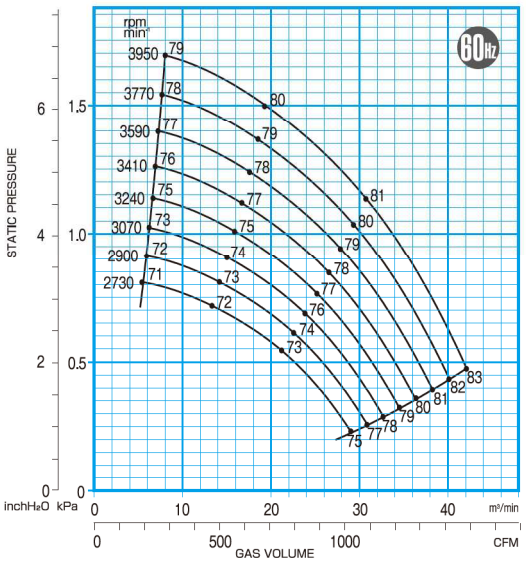
CTF151

CAPACITY RANGE CHART



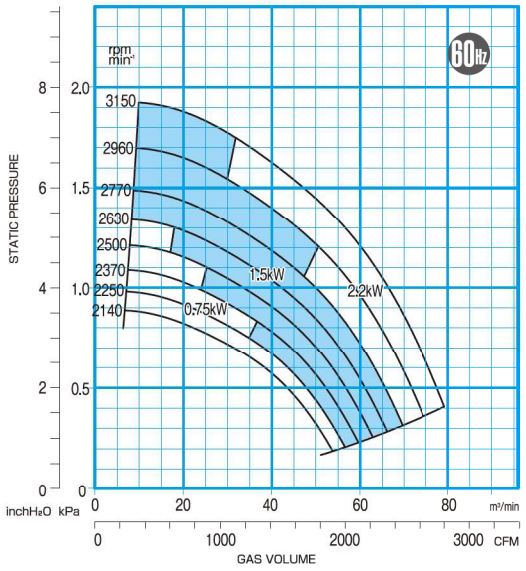
SOUND LEVEL

dB(A)



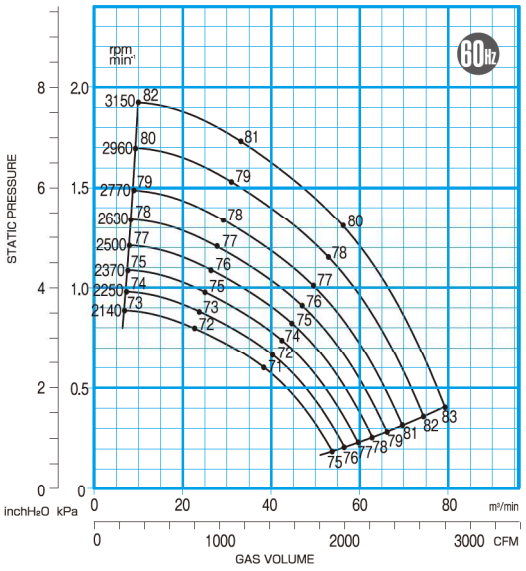
CTF201

CAPACITY RANGE CHART



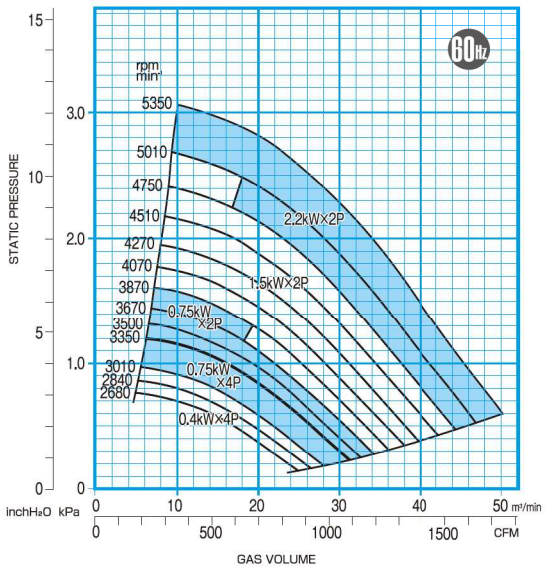
SOUND LEVEL

dB(A)



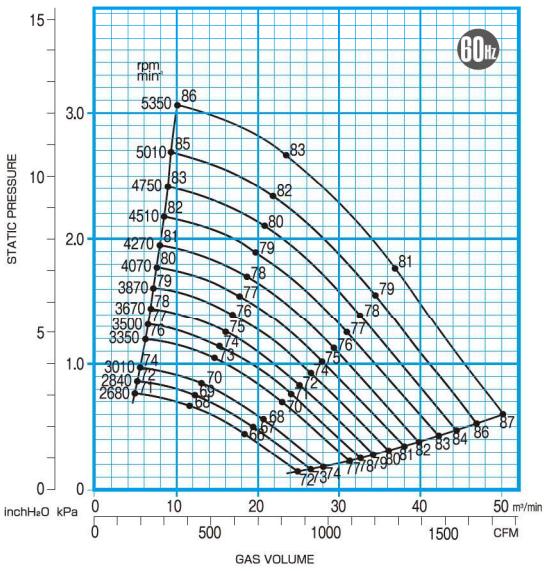
FTF153

CAPACITY RANGE CHART



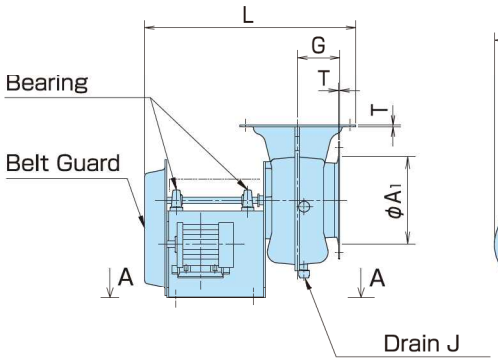
SOUND LEVEL

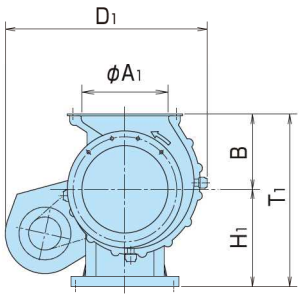
dB(A)



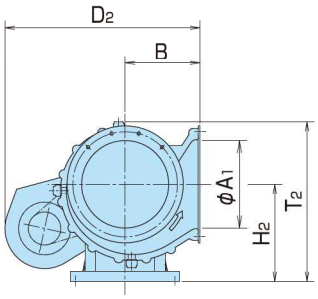
DIMENSIONS

CTF151·201

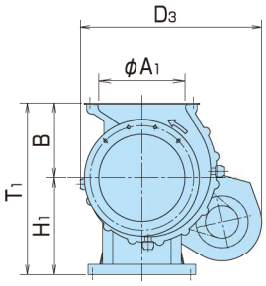




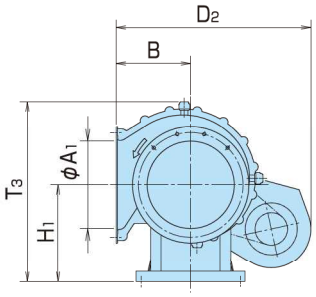
RH2



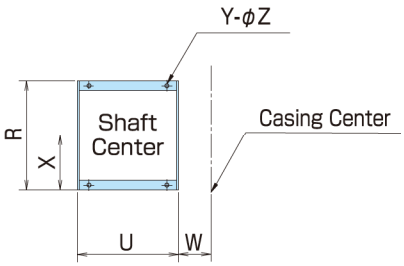
RL2



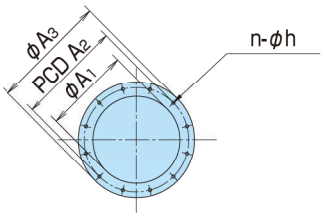
RH1



RR1



A-A VIEW BASIC DRAWING



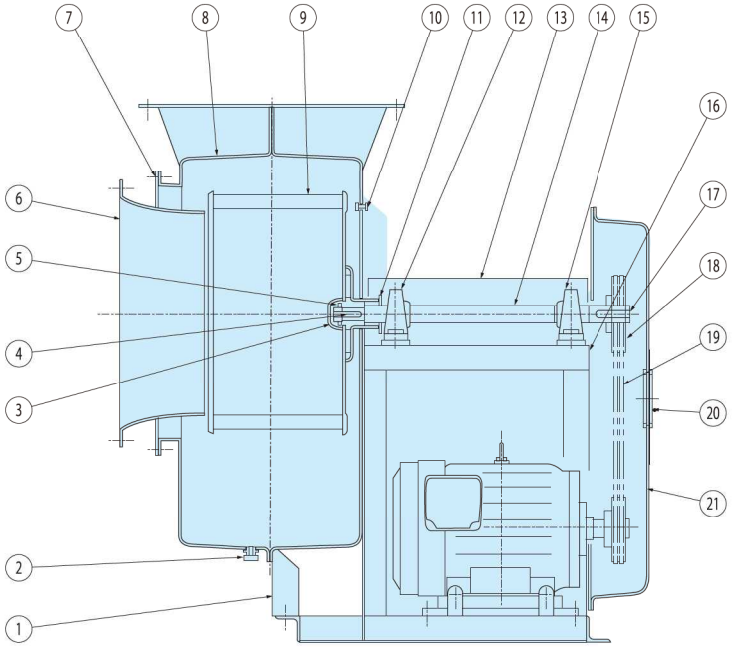
DISCHARGE

MODEL	CASING BODY											FLANGES					
	L	H1	H2	B	D1	D2	D3	T1	T2	T3	G	ϕA1	PCD A2	ϕA3	n	h	T
CTF151	812	320	380	300	755	735	675	620	620	640	160	320	382	421	16	12	3
CTF201	913	400	500	400	867	860	758	800	798	807	200	422	482	520	20	14	3.5

MODEL	BASE							BODY WEIGHT(Kg)	BEARING
	DRAIN	R	U	W	X	Y	Z	STANDARD	
CTF151	PF1/2"	430	406	128	215	4	12	27	UCP205
CTF201	PF1/2"	580	406	160	290	4	12	45	UCP205

※BODY WEIGHT : Not Including Motor Weight.

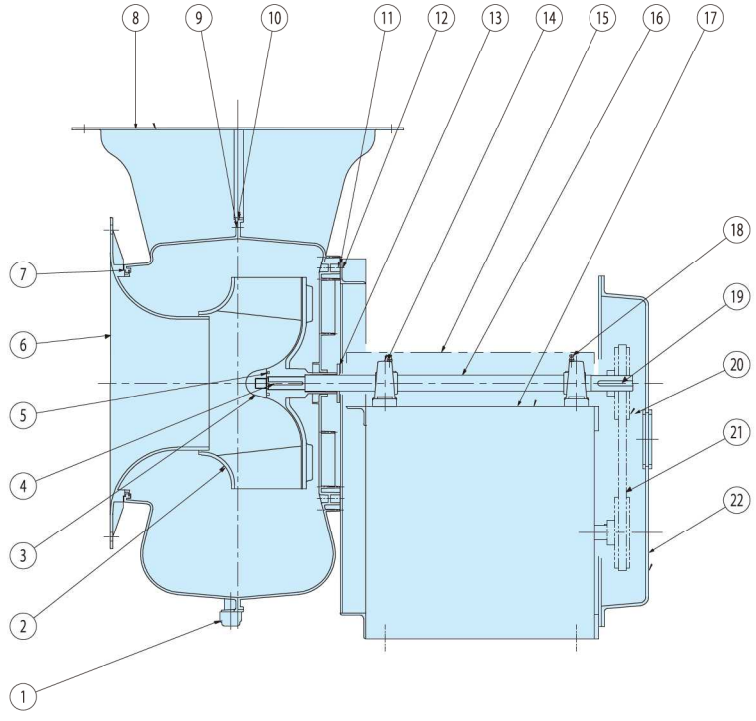
NSF302･402



No.	NAME OF PART	MATERIALS	QTY	
1	Casing Support	FRP	1	
2	Drain Plug	FRP	1	
3	Nut Cover	FRP	1	
4	Impeller Key	S45C	1	
5	Impeller Nut & Washer	SS400	1	
6	Suction Cone	FRP	1	
7	Suction Cone Set Bolt	SUS304	1set	
8	Casing	FRP	1	
9	Impeller	FRP	1	
10	Casing Set Bolt	SUS304	1set	
11	Gas Separator	HTPVC	1	
12	Bearing	SUJ2	2	
13	Shaft Guard	FRP	1	
14	Shaft	S45C	1	
15	Grease Nipple	Brass	2	
16	Base	SS400	1	
17	V-Pulley Key	S45C	1	
18	V-Pulley	FC200	2	
19	V-Belt	Rubber	1set	
20	V-Belt Inspection Window	Acrylic Plate	1	
21	Belt Guard	FRP	1	

※Note: No drain plug on RL and LR types. Number of belts may vary from that shown in this drawing.

CTF151･201



No.	NAME OF PART	MATERIALS	QTY	
1	Drain Plug	PE	3	
2	Impeller	FRP	1	
3	Impeller Nut	PP	1	
4	Impeller Key	S45C	1	
5	O-Ring	Chloroprene	1	
6	Suction Cone	PP(GF)	1	
7	Packing	PE	1	
8	Casing	PP(GF)	1	
9	Casing Bolt	SUS304	1set	
10	Casing Gasket	PE	1set	
11	Insert Nut	Brass	1set	
12	Casing Set Bolt	SUS304	1set	
13	Gas Separator	PE	1	
14	Bearing	SUJ2	2	
15	Shaft Guard	FRP	1	
16	Shaft	S45C	1	
17	Base	SS400	1	
18	Grease Nipple	Brass	2	
19	V-Pulley Key	S45C	1	
20	V-Pulley	FC200	1set	
21	V-Belt	Rubber	1set	
22	Belt Guard	FRP	1	

Note: Number of belts may vary from that shown in this drawing.