



Application

Fan dedicated for transporting aggressive gases without pollution. Examples of use:

- pressing air in production processes,
- cooling, drying systems,
- refrigeration and air-conditioning equipment.

Construction

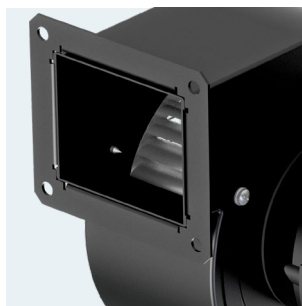
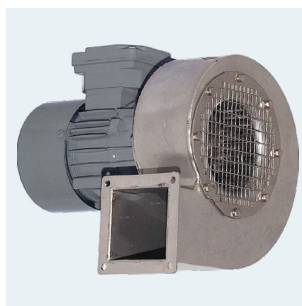
- low-pressure radial fan with direct drive,
- 2GSF special double housing / twins design,
- the impeller is welded from galvanized steel sheet with forward curved blades, dynamically balanced according to ISO 1940-1,
- the housing is made of welded sheet steel,
- model 160 is equipped with a motor support,
- maximum temperature of the transported medium is 80°C,
- ambient temperature range from -20°C to 40°C,
- GFS are supplied in LG270 configuration (except model 160),
- GFS/2-160 are supplied in LG90 configuration.

Motor

- asynchronous single-phase 230V 50Hz ,
- asynchronous, three-phase 230/400V 50Hz,
- degree of protection IP55,
- insulation class F,
- three-phase motors are adapted for frequency converter.

Special executions

- optional configuration LG/RD,
- motor plug-in socket optionally (i.e. Phoenix Contacts, Weidmuler, Harting etc),
- motor with voltage and frequency of power different than standard,
- single-phase motor adopted voltage regulation,
- motor with other than standard degree of protection,
- motor equipped with sensors or additional cooling,
- ambient temperature range below -20°C and above 40°C.



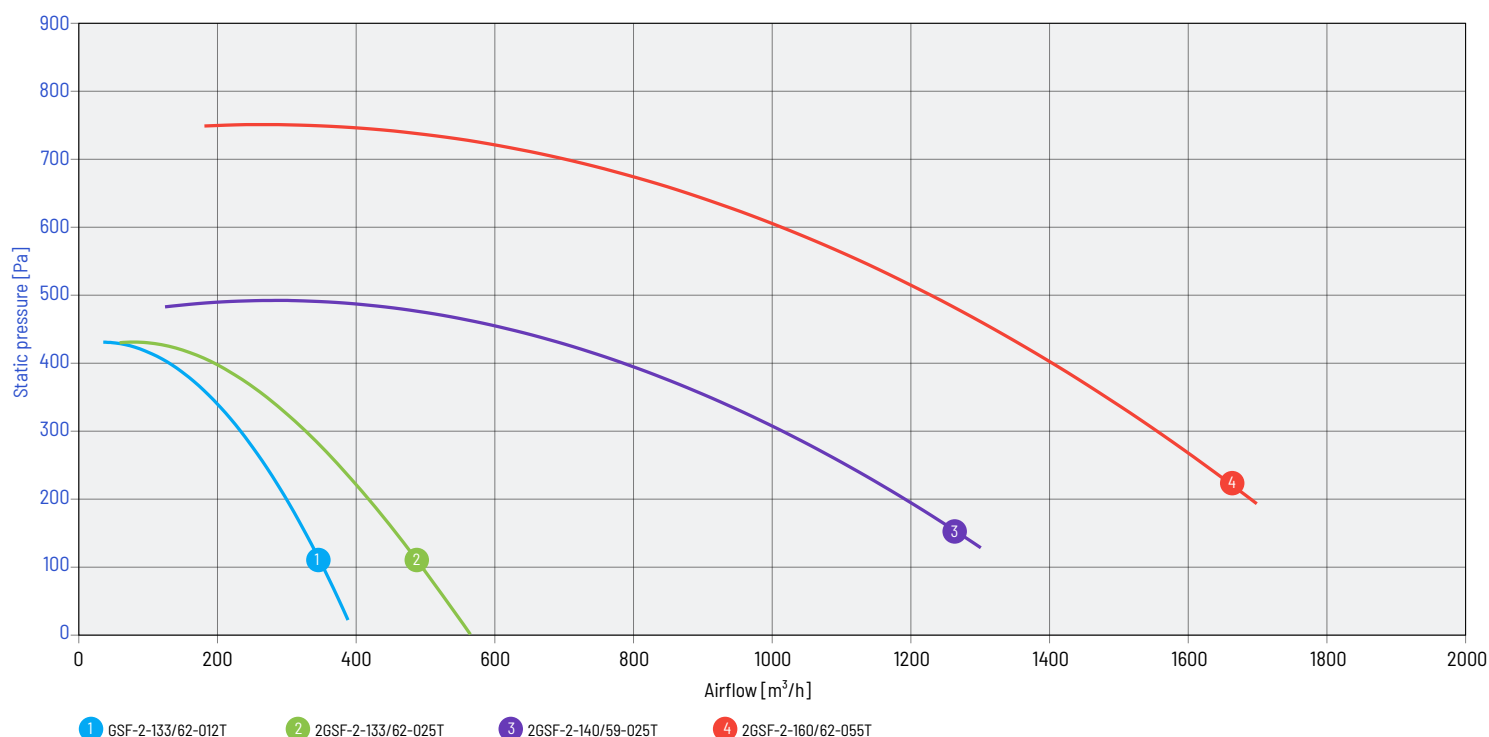


TECHNICAL CHARACTERISTICS

type	airflow max	pressure max	speed	voltage rated	nominal current	nominal power	sound pressure level*	temperature operating min / max	temperature ambient min / max	weight	article number
GSF-2-133/62-012T	390 m³/h	400 Pa	2 860 rpm	230/400 V	0,7/0,4 A	120 W	69 dB(A)	-20 / 80 °C	-20 / 40 °C	5,4 kg	425010202-01
GSF-2-133/62-012T	390 m³/h	400 Pa	2 860 rpm	230/400 V	0,7/0,4 A	120 W	69 dB(A)	-20 / 80 °C	-20 / 40 °C	5,4 kg	425010202-03
2GSF-2-133/62-025T	700 m³/h	385 Pa	2 860 rpm	400/690 V	1,1/0,65 A	250 W	71 dB(A)	-20 / 80 °C	-20 / 40 °C	6,6 kg	425010202-07
2GSF-2-140/59-025T	1440 m³/h	545 Pa	2 860 rpm	400/690 V	1,1/0,65 A	250 W	73 dB(A)	-20 / 80 °C	-20 / 40 °C	8,2 kg	425010202-51
2GSF-2-160/62-055T	1850 m³/h	750 Pa	2 860 rpm	400/690 V	1,1/0,65 A	550 W	74 dB(A)	-20 / 80 °C	-20 / 40 °C	13,05 kg	45010207-11

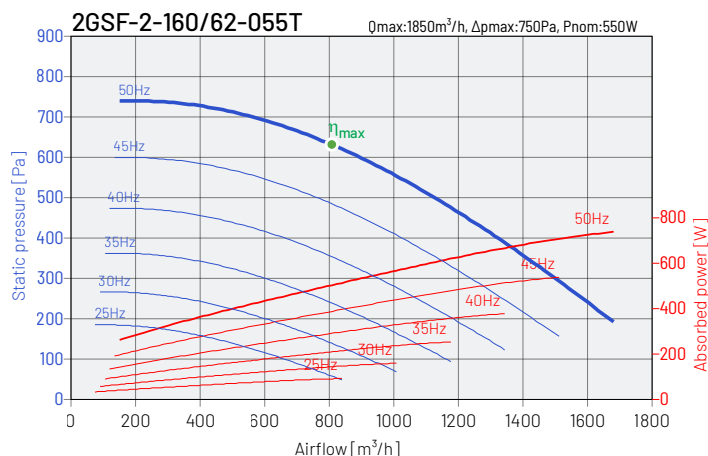
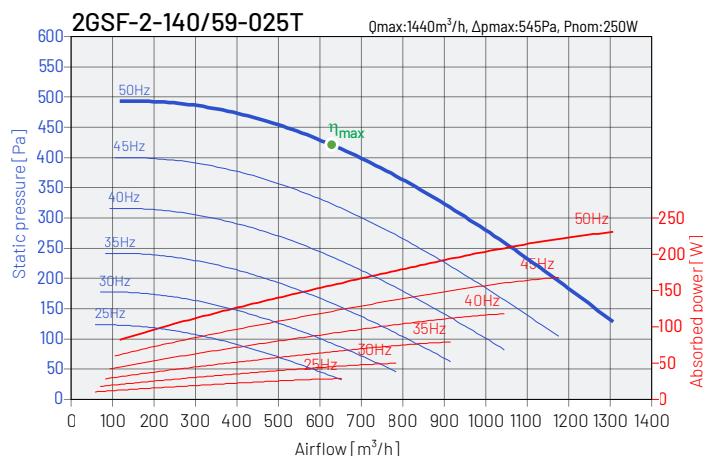
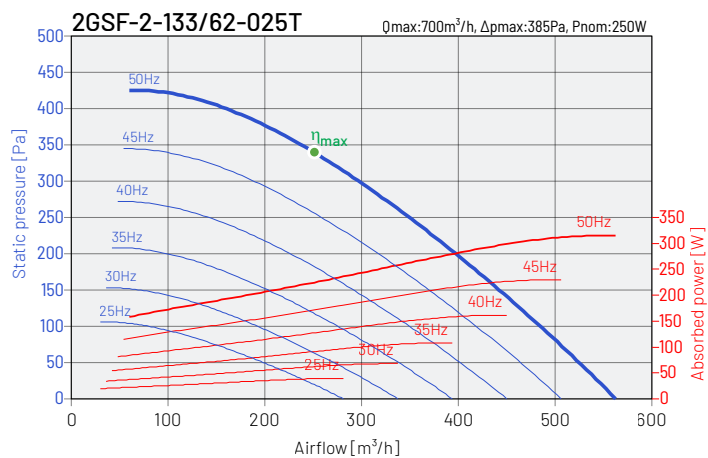
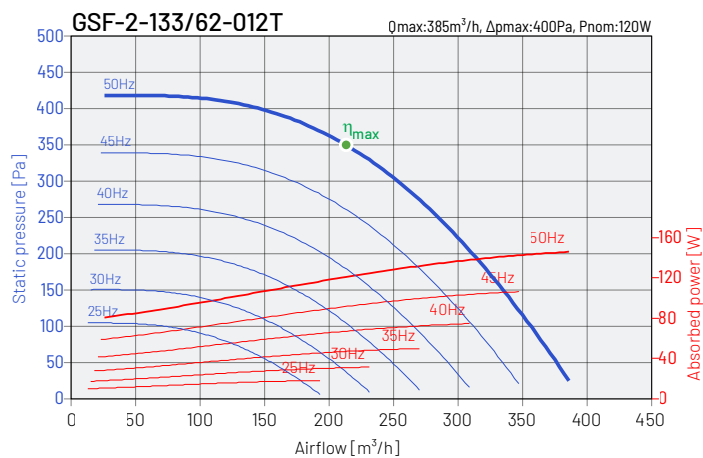
* sound pressure measured at a distance of 1,5m from the fan at $\eta_{\max}$

PERFORMANCE CHARACTERISTICS OF THE FANS





PERFORMANCE CHARACTERISTICS

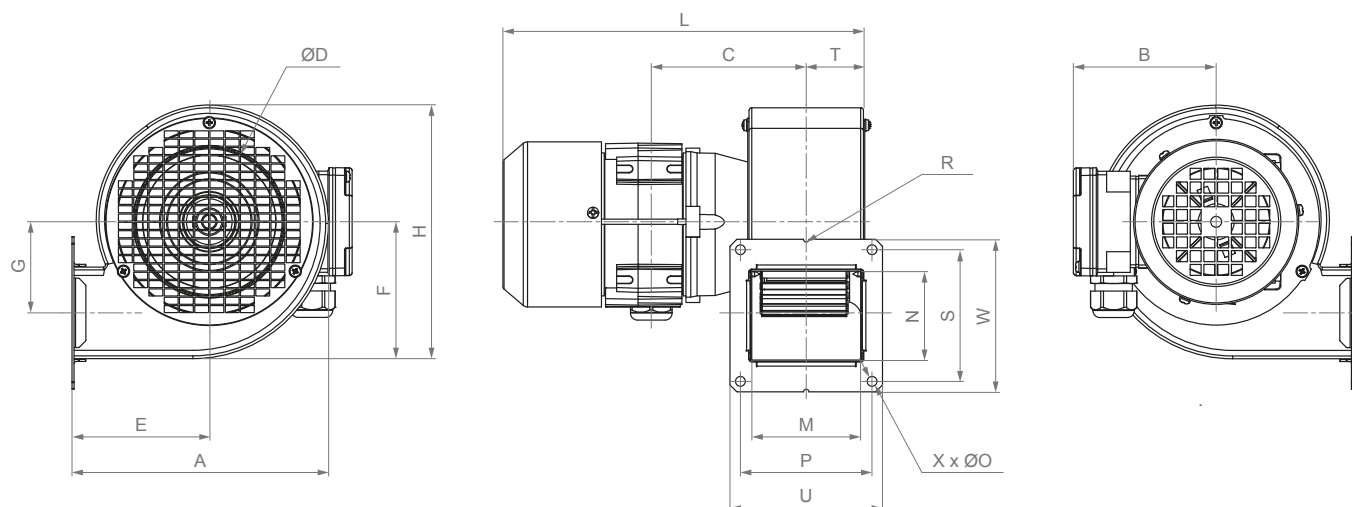




GSF/2GSF SPECIAL Centrifugal fan



DIMENSIONS



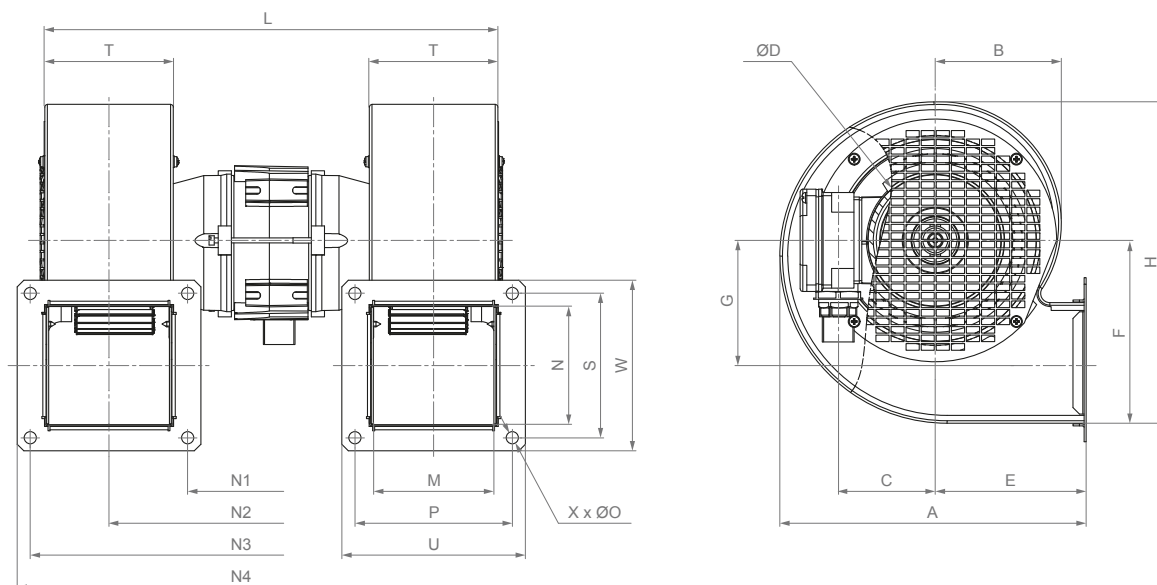
type	A	B	C	ØD	E	F	G	H	L	M	N	P	R	S	T	U	W	X	Ø0
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
GSF-2-133/62-012T 425010202-01	185	103	112	150	99	99	66	183	261	79	64	95	2	95	42	110	110	4	7,1
GSF-2-133/62-012T 425010202-03	185	103	112	150	99	99	66	183	261	79	64	95	2	95	42	110	110	4	7,1



GSF/2GSF SPECIAL Centrifugal fan



DIMENSIONS



type	A	B	C	ØD	E	F	G	H	L	M	N	N1	N2	N3	N4	P	S	T	U	W	X	ØO
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
2GSF-2-133/62-025T	202	88	82	150	99	99	66	183	314	78,5	64	136,5	231,5	326,5	343,5	95	80	83	112	98	4	7,1
2GSF-2-140/59-025T	234	96	74	165	115	140	93,5	245	345,5	93	90	127,5	247,5	367,5	387,5	120	110	98	140	130	4	9,2
2GSF-2-160/62-055T	255	94,8	87	180	110,5	158,6	110,5	280	440	97	94	224	339	454	479	115	115	101	140	140	4	9,2