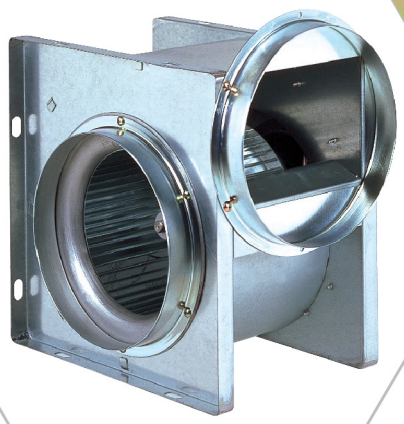


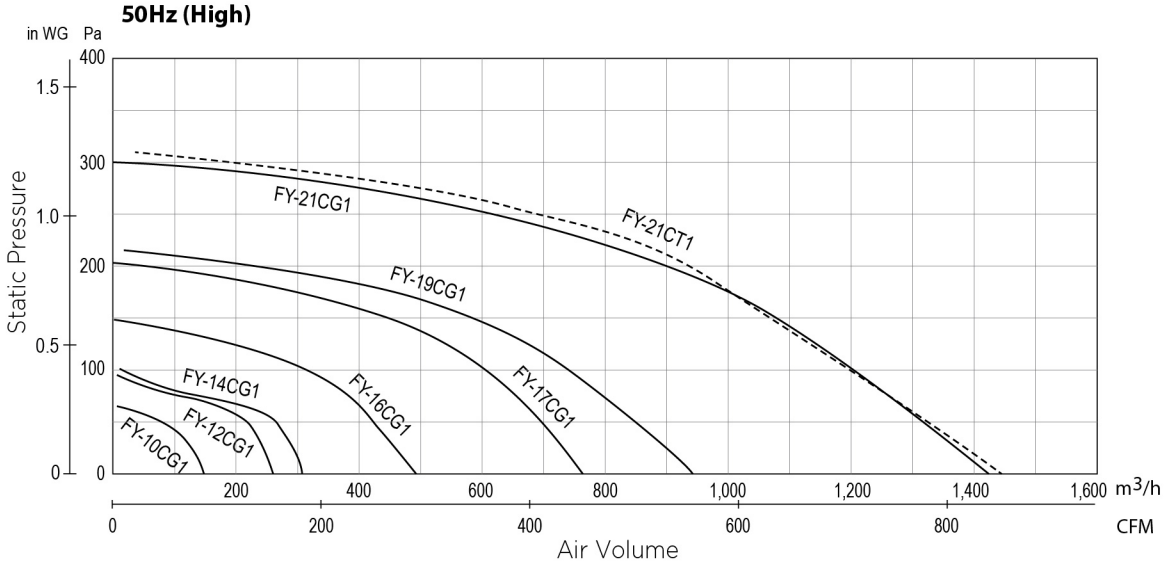
Mini Sirocco Fan (60Hz)

Single Phase	Three Phase
FY-10CG1, FY-12CG1 FY-14CG1, FY-16CG1 FY-17CG1, FY-19CG1 FY-21CG1	FY-21CT1

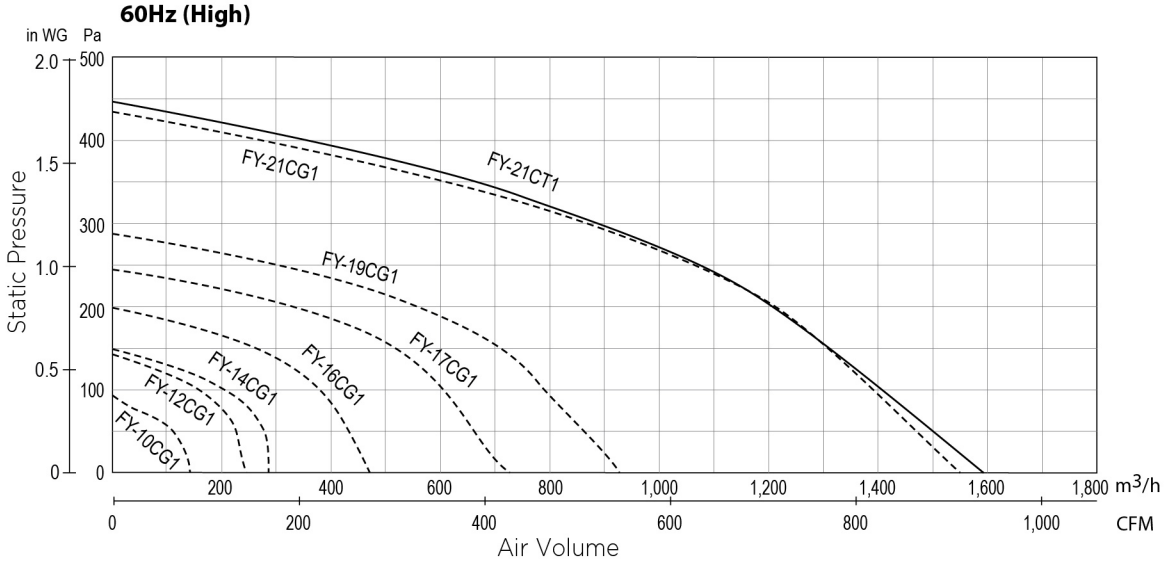
- Long life condenser motor with thermal cutoff
- Well lubricated ball bearing for long life operation
- High efficient sirocco fan employed for powerful airflow
- Outlet direction adjustable to vertical or horizontal position
- Compact size for narrow space installation
- 2-speed selection (except FY-10CG1, FY-12CG1 and FY-14CG1)

Performance Data

50Hz (High)



60Hz (High)



Specification (60Hz)

	Model No.	Voltage			Air Volume		Consumption	RPM	Noise [dB(A)]			Weight	Impeller Diameter	Duct Size
		[V]	[Hz]		[m³/h]	[CFM]	[W]	[min⁻¹]	Casing Side	Suction Side	Discharge Side	[kg]	[cm]	[kg]
Single Phase	FY-10CG1	230	50		144	85	11	980	32.0	38.0	38.0	3.1	10	ø100
	FY-12CG1	230	50		258	152	21	760	34.0	39.0	39.0	3.6	12	ø150
	FY-14CG1	230	50		308	181	30	930	39.0	44.5	44.5	3.8	12	ø150
	FY-16CG1	230	50	Hi	495	291	49	1,080	43.5	50.0	50.0	5.3	15	ø150
				Lo	365	215	41	875	38.0	44.5	44.5			
	FY-17CG1	230	50	Hi	763	449	87	920	46.0	51.0	51.0	8.8	18	ø200
				Lo	640	377	74	815	42.5	47.0	47.0			
	FY-19CG1	230	50	Hi	947	557	117	1,110	50.5	55.5	55.5	9.4	18	ø200
				Lo	821	483	109	1,030	49.0	54.0	54.0			
	FY-21CG1	230	50	Hi	1,420	836	240	1,325	57.0	61.0	61.0	15.0	20	ø200
				Lo	1,260	742	220	1,230	56.0	59.5	59.5			
Three Phase	FY-21CT1	380	50	Hi	1,450	853	253	1,355	57.5	61.5	61.5	14.5	20	ø200
				Lo	1,090	642	177	1,070	51.5	55.5	55.5			

Specification (60Hz)

	Model No.	Voltage			Air Volume		Consumption	RPM	Noise [dB(A)]			Weight	Impeller Diameter	Duct Size
		[V]	[Hz]		[m³/h]	[CFM]	[W]	[min⁻¹]	Casing Side	Suction Side	Discharge Side	[kg]	[cm]	[kg]
Single Phase	FY-10CG1	230	60		143	84	13	970	32.0	38.0	38.0	3.1	10	ø100
	FY-12CG1	230	60		242	142	22	725	32.0	38.0	38.0	3.6	12	ø150
	FY-14CG1	230	60		284	167	40	870	36.0	41.5	41.5	3.8	12	ø150
	FY-16CG1	230	60	Hi	470	277	59	1,060	42.5	49.0	49.0	5.3	15	ø150
				Lo	335	197	40	805	36.0	42.5	42.5			
	FY-17CG1	230	60	Hi	722	425	95	850	44.5	49.0	49.0	8.8	18	ø200
				Lo	593	349	79	730	40.0	45.0	45.0			
	FY-19CG1	230	60	Hi	931	548	143	1,100	50.0	55.0	55.0	9.4	18	ø200
				Lo	791	466	127	985	48.0	53.0	53.0			
	FY-21CG1	230	60	Hi	1,540	906	340	1,430	59.0	63.0	63.0	15.0	20	ø200
				Lo	1,230	724	300	1,180	54.0	58.5	58.5			
Three Phase	FY-21CT1	380	60	Hi	1,590	936	370	1,485	59.5	63.5	63.5	14.5	20	ø200
				Lo	1,020	600	228	1,030	50.0	54	54.0			

Note :

1. Power consumption is expressed as open value.
2. Air volume is measured using the chamber method (JIS B 8830 or JIS C 9603) at 0 Pa static pressure.
3. Noise
   Suction side - noise at 1.5 m of suction side
   Casing side - noise at 1.5 m on the side of a machine body
   Discharge side - noise at 1.5 m orthogonally at discharge side

Use Condition :

- Do not use it for ventilation at a site generating heat, oily smoke and/or moisture (Environmental condition : -10 deg C to +40 deg C, relative humidity below 85%)
- Install a door 600 x 600 mm or more for maintenance purpose.
- Install a leak breaker or a motor breaker on the source site. A control panel such as a contact switch relay is required for three phase power source.
- In cold air supply to indoor during winter and at any other occasion susceptible to dew drop, heat insulation is required.
- It is recommended to use a commercially available filter at the suction side to avoid dust and/or waste attachment on a blade.
- Install it on a horizontal direction.
- Do not perform parallel operation of more than one unit on a switch, for it may result in motor failure.