

Mini sirocco fan

INSTRUCTION MANUAL

K10CG1 K12CG1 K14CG1 K16CG1 K17CG1 K17CT1 K19CG1 K19CT1 K21CG1 K21CT1

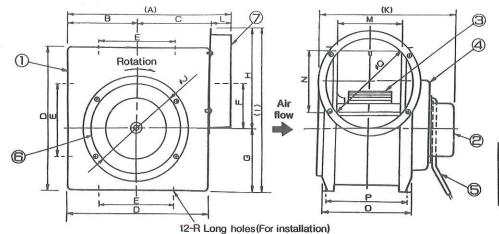


Thank you for purchasing the KDK Mini sirocco fan.

Please be sure to always follow the details of these instructions in installing and using your unit otherwise sudden accidents or breakdowns occur.

Please check whetter Here are any breakege or deformation or not before be intalled.

K10CG1, K12CG1, K14CG1

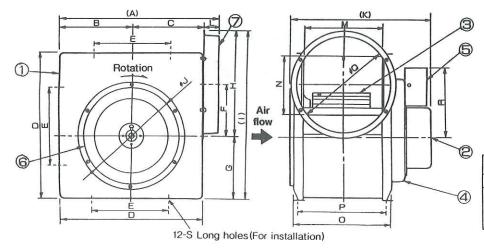


No.	Parts name
1	Casing
2	Motor
3	Impeller
4	Motor support
5	Power cable
6	Inlet flange
7	Outlet flange

Model number	Dimensions of the connecting duct
K10CG1	φ 100
K12CG1	. 450
K14CG1	φ 150

Mobel number	Α	В	С	D	Е	F	G	Н	1	J	K	L	М	N	0	Р	Q	R Long holes
K10CG1	206	86	95	180	120	56	82	117	199	98	196	24	80	74	120	106	98	6×20
K12CG1	261	112	119	230	120	76	100	161	261	148	226	29	105	98	145	131	148	6×20
K14CG1	261	112	119	230	120	76	100	161	261	148	224	29	105	98	145	131	148	6×20

K16CG1, K17CG1, K17CT1, K19CG1, K19CT1, K21CG1, K21CT1



No.	Parts name
1	Casing
2	Motor
3	Impeller
4	Motor support
5	Terminal cover
6	Inlet flange
7	Outlet flange

Model number	Dimensions of the connecting duct
K16CG1	φ 150
K17CG1, K17CT1	
K19CG1, K19CT1	φ 200
K21CG1, K21CT1	

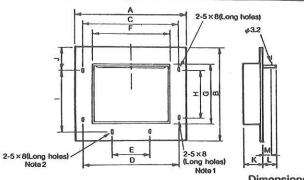
Model number	А	В	С	D	Е	F	G	Н	1	J	K	L	М	N	0	Р	Q	R	S Long holes
K16CG1	281	125	126	250	160	85	108	171	279	148	237	29	117	102	157	143	148	128	6×20
K17CG1, K17CT1	331	151	150	300	160	106	130	216	346	198	281	29	165	116	205	187	198	142	10×20
K19CG1, K19CT1	331	151	150	300	160	106	130	216	346	198	296	29	165	116	205	187	198	142	10 × 20
K21CG1, K21CT1	361	166	165	330	200	121	145	233	378	198	373	29	190	110	250	226	198	161	12×24

Angular flange (Optional)

The fan is equipped with a circuler lange.
 Use an angular flange for connection to an angular duct.

Note 1. Applied for K10CG1-KF, K12CG1-KF K16CG1-KF and K17CG1-KF

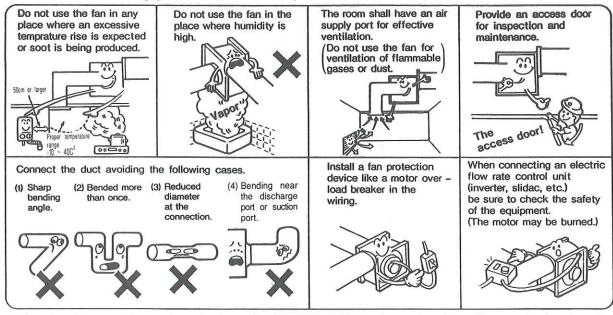
Note 2. Applied for K21CG1-KF



Model number	Applied model number	Α	В	С	D	Ε	F	G	Н	1	J	K	L	M	Plank
K10CG1-KF	K10CG1	120	94	96.2	96.2		81.5	75.5	55.5	-	19.1	25	15	11	
K12CG1-KF	K12CG1, K14CG1	145	128	131.8	131.8	-	106.5	100	92.3	(19.1	25	15	11]
K16CG1-KF	K16CG1	157	142	131.8	131.8		118.5	104	92.3	10	22	25	15	11	0.8
K17CG1-KF	K17CG1, K17CT1, K19CG1, K19CT1	205	156	182.8	182.8	1	166.5	118	105.5	8	25.8	30	25	16	1
K21CG1-KF	K21CG1, K21CT1	250	170	211	_	105.5	191.5	112	_	91.4	67.5	30	25	16	1

2. Installation Cautions

Observe the following precautions as to the place of installation and the installation procedure.



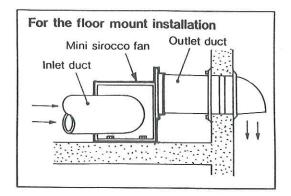
 The fan houses thermal protectors for the prevention of overheating. The protector functions in the event of an overload, phase interruption or stall.
 (When the thermal protector has functioned, turn the power off and contact the place you purchased it or installation shop.)

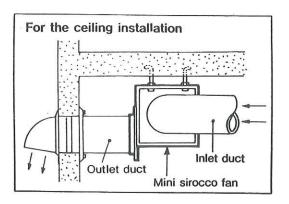
3. Maintenance Cautions

- Inspect and clean the fan every year for extended and safe use of it.
- The motor bearing is a sealed ball bearing. The grease life expectancy is about 20,000 hours. When abnormal noises or a reduction in air flow is observed, inspect the bearing and replace it if necessary.
- For maintenance and inspection work including the replacement of bearings and other parts, contact your professional service shop.

4. Installation Instructions

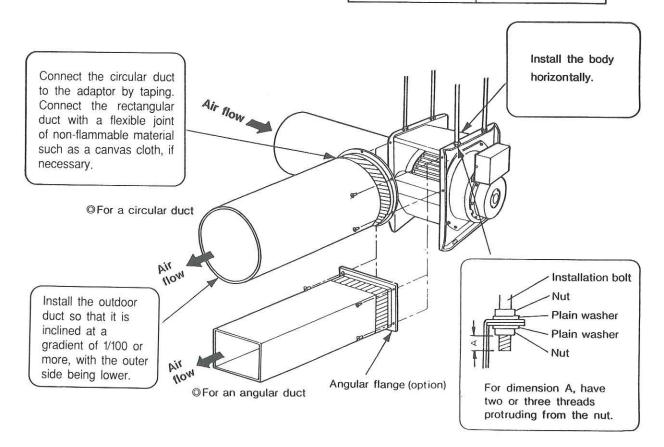
1. Installation





Prepare mounting bolts, nuts and plain washers while referring to the table below.

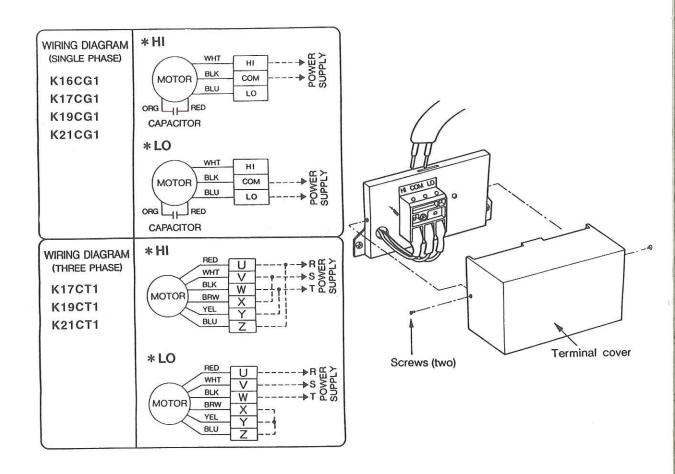
Model number	Bolts, nuts, plain washers
K10CG1,K12CG1 K14CG1,K16CG1	M5
K17CG1, K17CT1 K19CG1, K19CT1	М8
K21CG1, K21CT1	M10



2. Electric Wiring Caution

Ask the electrical shop for wiring.

- To the electrical shop who makes wiring.
- Kindly work in accordance with the electric equipment engineering standards and the working standard specified by the power company.
- According to the electrical installation standard, perform the grounding work.
- Connect the line after opening the terminal cover.
- Kindly connect as indicated in the following drawings.
- After wiring, check the rotation direction.
- For K10CG1, K12CG1 and K14CG1 which do not have two-speed motor, connect the lead wire the power line.



5. After - sale Service

1. Complete after-sale service

Upon trouble, inspect the items listed in the following table. If anything is found defective, be sure to turn the power off and contact the place you purchased it.

Problem	Inadequata air flow	Excessive noise	Excessive vibration	Overheated motor	Countermeasure
Poor foundation		0	0		Reinforce foundation
Faulty installation		0	0		Recheck installation
Reverse fan rotation	0				Change motor wiring
Inadequate fan speed	0				Check power source
Contact between rotary and stationary parts		0	0	0	Inspection
Impurities sucked in/dust adherence		0	0	0	Inspection/cleaning
Faulty ducting	0	0	0		Duct inspection

2. Replacement parts kept for at least six years

The company will have available replacement operational parts for the Mini sirocco fan for at least six years after these models are no longer sold.

Operational parts refers to those parts which are essential for maintaining the functions of the Product.

6. Specifications

	Impeller	Power	Number	Out nut	e	Air v	olume	Ing	out		No	oise lev	el (dB)	(A))			
Model number	diameter	40 Section 630	of	Out put (W)	Frequen-		³/h)	(V	٧)	Si	de	Suctio	n side	Discha	rge side	Weight	
Mary Carlo Mary Mary	(cm)	supply	poles	(vv)	су	High	Low	High	Low	High	Low	High	Low	High	Low	(kg)	
1/40004	40	Mark III III		40	50Hz	144	-	11		32	E	40	158	38		2.1	
K10CG1	10	Single-phase	4	10	60Hz	143	8	13	840	32	==	40	-	38	- 2	2.1	
1/10001	40			05	50Hz	258	171 8	21	NS0	34		39	-	39	-	3.1	
K12CG1	12	Single-phase	4	25	60Hz	242	-	22	343	32		38		38	-	3.1	
1/11001	40			50	50Hz	308	-	30	•	39	•	44.5	-	44.5	2	3.5	
K14CG1	12	Single-phase	4	50	60Hz	284		40	30-1	36	-	41.5	-	41.5	-	3.5	
V40004	45			75	50Hz	495	365	49	41	43.5	38	50	44.5	50	44.5	5.1	
K16CG1	15	Single-phase	4	75	60Hz	470	335	59	40	42.5	36	49	42.5	49	42.5	3.1	
1/47004			, i	400	50Hz	763	640	87	74	46	42.5	51	47	51	47	8.1	
K17CG1	18	Single-phase	4	100	100	60Hz	722	593	95	79	44.5	40	49	45	49	45	0.1
V470T4	40		a l	400	50Hz	766	480	89	40	46	34	51	39	51	39	8.5	
K17CT1	18	Three-phase	4	100	60Hz	721	407	99	38	44.5	31	49.5	35	49.5	35	0.5	
1/40004	40			000	50Hz	947	821	117	109	50.5	49	55.5	54	55.5	54	9.1	
K19CG1	18	Single-phase	4	200	60Hz	931	791	143	127	50	48	55	53	55	53	9.1	
KAOOTA	40			000	50Hz	1020	620	138	71	52	40.5	57	45.5	57	45.5	9.1	
K19CT1	18	Three-phase	4	200	60Hz	954	512	168	68	50.5	37.5	55.5	41.5	55.5	41.5	9.1	
K04004	00	1000-10 UT	, a	000	50Hz	1420	1260	240	220	57	56	61	59.5	61	59.5	15.0	
K21CG1	20	Single-phase	4	300	60Hz	1540	1230	340	300	59	54	63	58.5	63	58.5	15.0	
KO4 OT4	-00	New York Transcription		000	50Hz	1450	1090	253	175	57.5	51.5	61.5	55.5	61.5	55.5	15.5	
K21CT1	20	Three-phase	4	300	60Hz	1590	1020	370	215	59.5	50	63.5	54	63.5	54	15.5	

(Note) 1. Values are specified at the static pressure of 0 Pa.

2. The air volume is measured according to the chamber method (JIS C9603).

Noise: Suction side - Noise level measured at 1.5m from the suction side in front.

Casing side - Noise level measured at 1.5m from the discharge side in rear.

Descharge side - Noise level measured at 1.5m from the discharge side in front.

KDK Company, Division of PES

Head Office: 4017, Takaki-cho, Kasugai, Aichi, Japan

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