

AC Axial Fan

CU



□ 120 × 25 (□ 4.7" × 1.0")

Max. airflow: 1.9 m³/min (50 Hz)
2.2 m³/min (60 Hz)Max. static pressure:
53 Pa (50 Hz) 56 Pa (60 Hz)

Mass: 360 g

Fan model code

CU115B5

CU2B3

CU2B5

CU47F3

CU47F5

CU55B3

CU55B5

CUJ47F5

CUJ55B5

Standard specification

(*1: Rated values appear on name plate)

Max. Airflow m³/min	CFM	Max. Static Pressure		Noise dB	Speed min⁻¹	Rated Vol. V (±10 %)	Freq. Hz	Input W *1	Current mA *1	Lock Current mA	Model Code			
		Pa	inH₂O								Lead Wire Type	Std*2	Terminal Type	Std*2
1.9/ 2.2	67/ 78	53/ 56	0.21/ 0.23	40/ 45	2550/ 3000	100	50/ 60	16/14.5	190/140	200/170	CU55B5	UC	CU55B3	UCP
						100		12/11	190/140	200/170	CUJ55B5	P		
						115		11/10	160/130	180/160	CU2B5	UC	CU2B3	UCP
						115		11/9	140/110	150/120	CU115B5	UTV		
1.2/ 1.4	42/ 49	19/ 24	0.07/ 0.10	27/ 34	1500/ 1900	100-120	50/ 60	14/11	170/130	170/130	CU47F5	UCT	CU47F3	UCP
						100-120		14/10.5	170/130	170/130	CUJ47F5	P		

● Figures in the table are average measured values. Please request the product delivery specification when preparing a purchase specification.

● *2: The symbols in the standards column denote that they are registered in the following standards files, U: UL E48889, C: CSA LR49399, LR108118, T: TUV R60229-60302.

V: VDE 3019UG

● *2: Products conforming to the specifications of the Electrical Appliance and Material Safety Law (Japan) can be used in case the products are assembled in electric appliances used in Japan. (Products marked with the (PS)E mark)

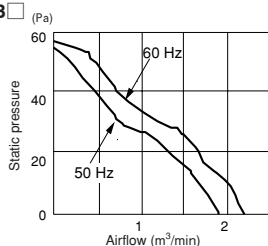
勝特力電材超市-龍山店 886-3-5773766
 勝特力電材超市-光復店 886-3-5729570
 勝特力電子(上海) 86-21-34970699
 勝特力電子(深圳) 86-755-83298787
<http://www.100y.com.tw>

General specification

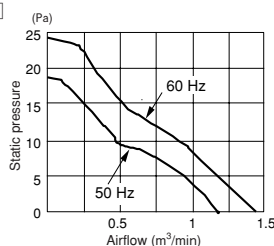
Materials Used	Venturi: Aluminum alloy die casting Propeller: Glass fiber reinforced polycarbonate resin Bearing: Double - sided shielded ball bearing
Motor	Shaded pole induction motor Protection type: Impedance protection
Common Elec. Spec.	See page G-12.
Usage Range	Rated voltage ±10 %
Operating Temp. Range	-20 °C ~ +60 °C (-20 °C ~ +55 °C in TUV standard) (-20 °C ~ +40 °C in VDE standard)
Standard Carton	30 to a carton of (450 x 380 x 160) mm, mass 12 kg

Standard airflow and static pressure characteristics (At rated voltage)

CU□□B□

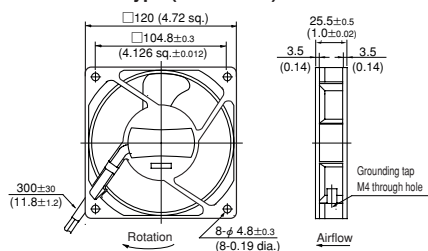


CU□□F□



External dimensions in mm (inches)

● Lead wire type (CU□□□5)



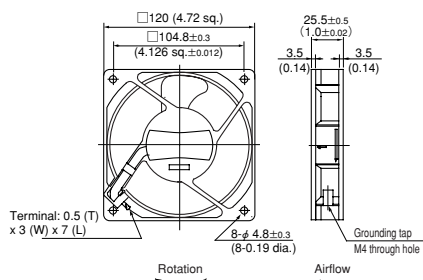
Lead wire specification

CUJ series: Heat resistant PVC 0.75 mm² (30 conductors, 0.18 dia.)

CU series: AWG22 UL1015

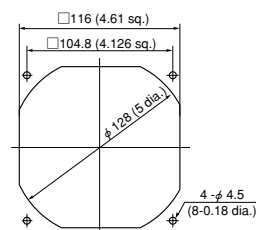
● Terminal type

[2 terminals: with grounding tap](CU□□□3)

Mounting hole dimensions in mm (inches)
[Recommendation]

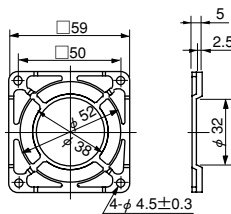
Options (sold separately)

- Guard: F120UL guard
- Filter: F120 filter
- Power code: T2P1 code, D2P1 code, UL2P1 code



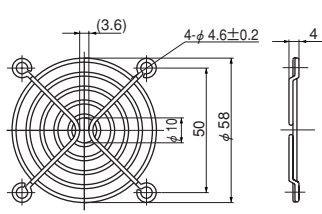
Identical for the intake and outlet sides

F60P Guard (Mass 4 g)



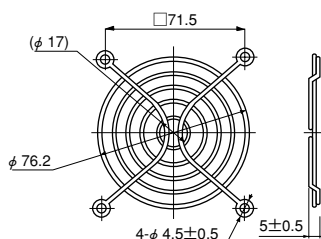
Material: Polycarbonate (black)
UL94V-2

F60UL Guard (Mass 12 g)



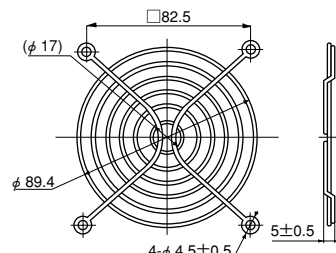
Material: Mild steel wire 1.6 dia.
Surface treatment:
Nickel chromium plating

F80UL Guard (Mass 14 g)



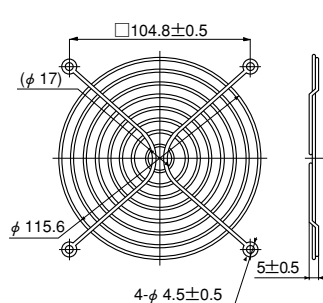
Material: Mild steel wire 1.6 dia.
Surface treatment:
Nickel chromium plating

F92UL Guard (Mass 16 g)



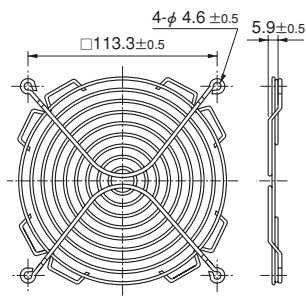
Material: Mild steel wire 1.6 dia.
Surface treatment:
Nickel chromium plating

F120UL Guard (Mass 29 g)



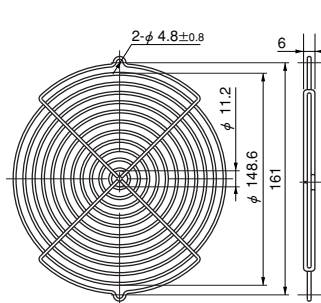
Material: Mild steel wire 1.6 dia.
Surface treatment:
Nickel chromium plating

F127UL Guard



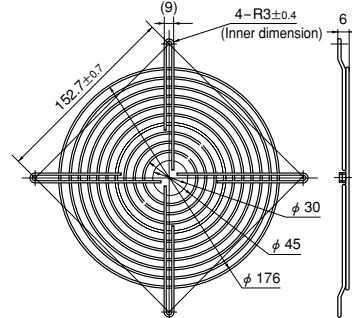
Material: Mild steel wire 1.6 dia.
Surface treatment:
Nickel chromium plating

GUARD 172



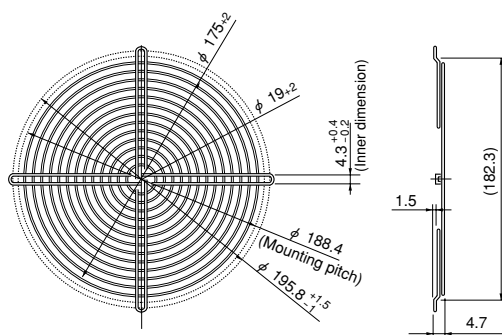
Material: Mild steel wire 2 dia.
Surface treatment:
Nickel chromium plating

F180UL Guard



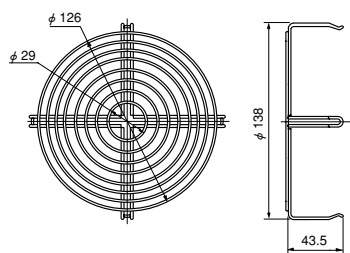
Material: Mild steel wire 1.6 dia.
Surface treatment:
Nickel chromium plating

F200UL Guard (Mass 82 g)



Material: Mild steel wire 1.6 dia.
Surface treatment:
Nickel chromium plating

SCN Guard (Mass 55 g)



Material: Mild steel wire 1.6 dia.
Surface treatment:
Nickel chromium plating

- Guard special for intake side of SCN (metal venturi) fans.

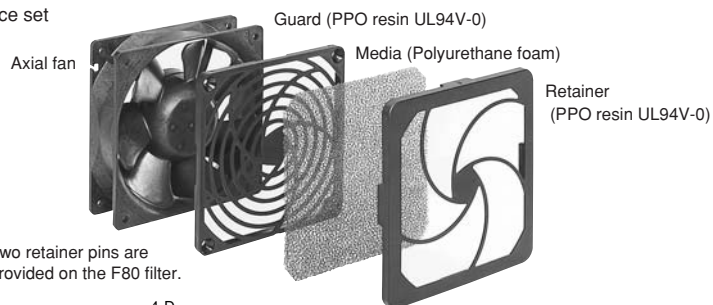
List of mating fan series

Guard	F60P	F60UL	F80UL	F92UL	F120UL	F127UL	GUARD 172	F180UL	F200UL	SCN
AC Axial Fans										
SCN					○*1					○*2
VE			○							
WE				○						
KA				○						
CU					○					
CN					○					
MA							○			
PA							○			
TUDC	○	○								
PUDC			○							
KUDC				○						
DO925C				○						
KLDC				○						
CUDC					○					
D1225C					○					
CNDC					○					
D1238T					○					
D1238B					○					
D1338B						○				
D1338S						○				
D1751M							○			
D1751S							○			
G0638D		○								
G0838C			○							
G0938B				○						
G1238B					○					
G1751M							○			
DC Axial Fans										

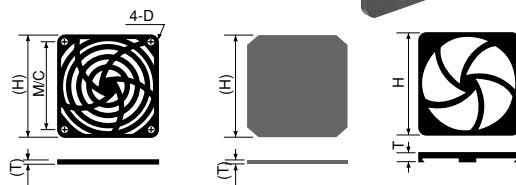
*1: Can be installed only on outlet side. *2: Can be installed only on intake side.
All guards conform to the UL standard when combined with NIDEC SERVO fans.
The installation of a filter, guard and other accessories will constitute a ventilating load, reducing the airflow. Select a suitable guard, taking into consideration the increase in air resistance. (See Figs. 12 and 13 on page G-7.)

Filter

3-piece set



Note: Two retainer pins are provided on the F80 filter.



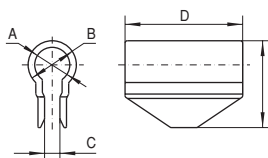
List of mating fan series

Filter	F80	F92	F120
PUDC	○		
KUDC		○	
D0925C		○	
KLDC		○	
CUDC			○
D1225C			○
CNDC			○
D1238T			○
D1238B			○
G0838C	○		
G0938B		○	
G1238B			○

Filter	F80	F92	F120
VE	○		
WE		○	
KA		○	
CU			○
CN			○

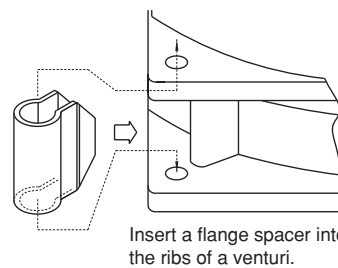
Component (Model Code)	H	T	M/C	D
F80 Filter	83.6	10	71.5	φ 3.8
F92 Filter	96.5	10	82.5	φ 3.8
F120 Filter	123.7	10.7	104.8	φ 4.6

Flange spacer



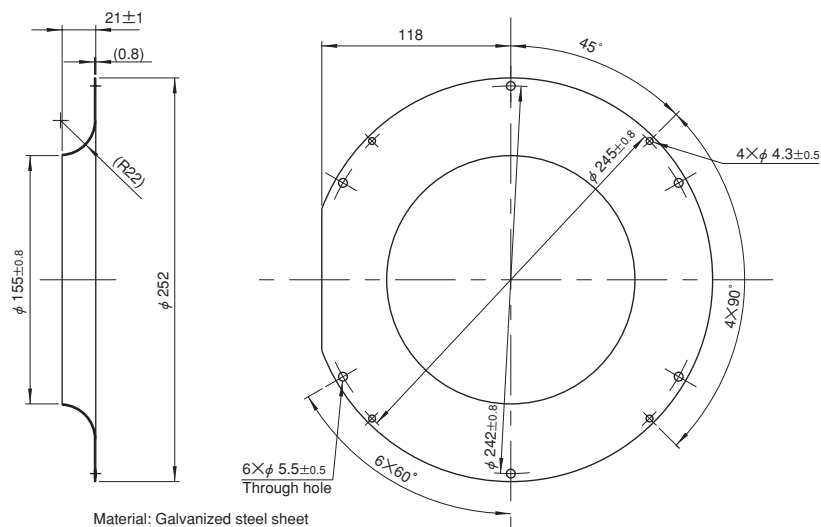
Component (Model Code)	A mm	B mm	C mm	D mm	E mm	Mating Model Code
Flange Spacer PUDC (※)	5	8	2	17	14.5	KUDC, PUDC
Flange Spacer CUDC (※)	8	11	3.5	15	19.8	CUDC
Flange Spacer CNDC	8	11	3.5	28	19.8	CNDC

※Ribbed venturis (PUDC-R, CUDC-R) are available for PUDC and CUDC.



(Installing a flange spacer)

Inlet ring



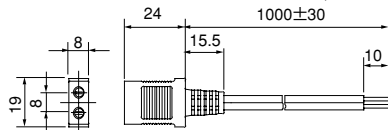
Component (Model Code)	Mating Model Code
E2271 Inlet ring	E2271Z

Plug cords for AC fans

(Common specification: Rated 3 A, voltage 250 V, dielectric strength 1 minute at 1500 V 50 Hz)

D2P1 cord (Mass 35 g)

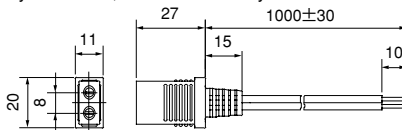
Certified under the Electrical Appliance and Material Safety Law (Japan) (<PS>E mark approved)
 Cord 0.18 dia. 30 conductors Black, heat resistant vinyl



* D2P2 cord with 2m length also available.

UL2P1 cord (Mass 41 g)

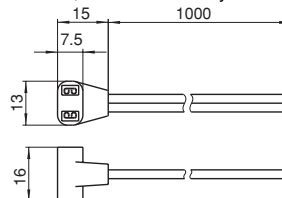
UL standard product (UL file No. E78112)
 Cord 0.16 dia. 41 conductors Black, heat resistant vinyl



* UL2P2 cord with 2m length also available.

T2P1 cord

For wiring inside equipment
 Cord 0.18 dia. 30 conductors Black, heat resistant vinyl

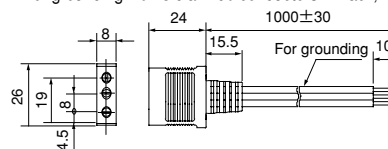


* T2P2 cord with 2m length also available.

D3P1 cord (Mass 59 g)

Certified under the Electrical Appliance and Material Safety Law (Japan) (<PS>E mark approved)
 Cord:

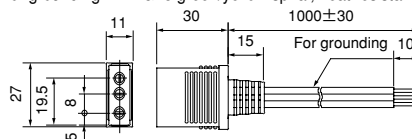
For power feeding 0.18 dia. 30 conductors Black, heat resistant vinyl
 For grounding 0.18 dia. 50 conductors Black, heat resistant vinyl



UL3P1 cord (Mass 60 g)

UL standard product
 (UL file No. E78112)
 Cord:

For power feeding 0.16 dia. 41 conductors Black, heat resistant vinyl
 For grounding AWG18 green/yellow spiral, heat resistant vinyl



* UL3P2 cord with 2 m length also available.

List of mating fan series

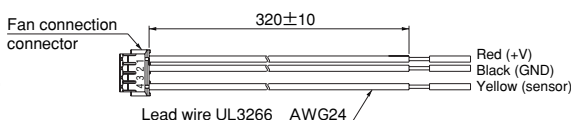
Cord	T2P1	T2P2	D2P1	D2P2	D3P1	UL2P1	UL2P2	UL3P1	PL3P2
WE	○	○	○	○		○	○		
KA	○	○	○	○		○	○		
CU	○	○	○	○		○	○		
CN (2 terminals)	○	○	○	○		○	○		
CN (3 terminals)					○			○	○
MA	○	○	○	○		○	○		
PA	○	○	○	○		○	○		

Plug cords for DC fans

DCLD030ST-ZZ01 (S sensor output cord)



DCLD030PT-ZZ01 (P sensor output cord)



• Lead wire ends are sheathed to protect conductors. (Sheath peeling dimension 10±5)

Component (Model Code)	Mating Model Code
DCLD030ST-ZZ01	E1033H□□B□AM-04
DCLD030PT-ZZ01	