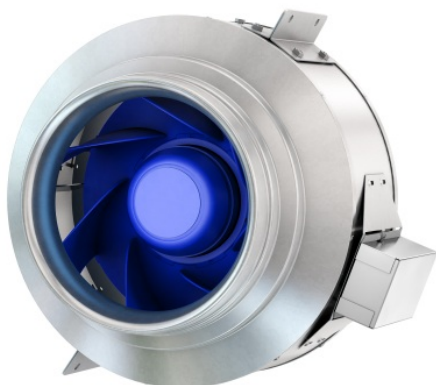


FKD Inline duct fans

Moderate to high airflow metal fans for various applications



- Mixed-flow impeller enabling high static pressure
- Built-in thermal overload protection with automatic reset
- Galvanized steel housing
- Operable in air stream temperatures up to 140°F
- Comes with mounting brackets for quick & easy installation
- Limited 5-year warranty

[Find more details in our online catalogue](#)

High Static Pressure

The mixed-flow impeller design enables the fan to overcome high static pressures, making it suitable for applications where airflow resistance is a concern.

Applications

Offices, hospitals, beauty salons, veterinary clinics, commercial bathrooms, and residential applications such as kitchen range hood exhausts.

Easy Installation and Reliability

The fan comes with fan brackets for quick and easy installation, streamlining the setup process for users.

Built-in Thermal Protection

Built-in thermal overload protection with automatic reset functionality prevents motor overheating and damage.

Certifications



Technical parameters

Nominal data

Voltage (nominal)	120	V
Frequency	60	Hz
Phases	1~	
Input power	727	W
Input current	6.07	A
Impeller speed	1,525	rpm
Temperature of transported air	max 140	°F

Protection/Classification

Enclosure class, motor	IP54
Insulation class	F

Dimensions and weights

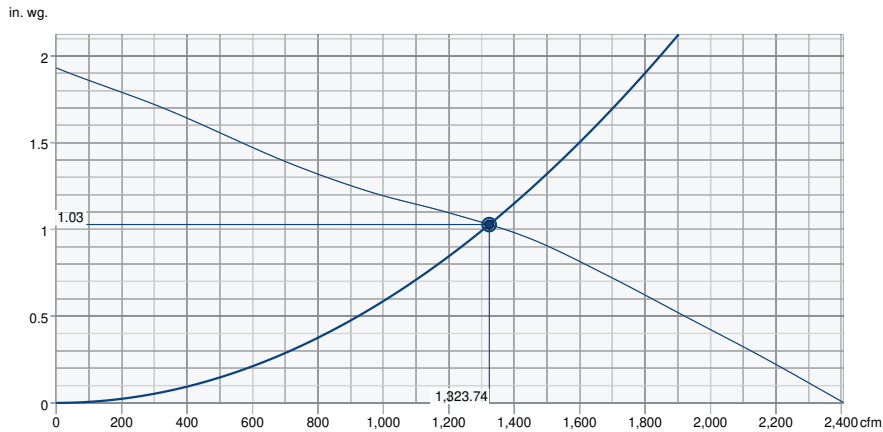
Duct dimension; Circular, inlet	14	in.
Duct dimension; Circular, inlet	14	in.
Duct dimension; Circular, outlet	14	in.
Duct dimension; Circular, outlet	356	mm
Weight	45	lb

Optional

Duct connection type	Circular
Motor type	AC
Material	Metal

Performance

Performance curve



Hydraulic data

Required air flow	1,323 cfm
Required static pressure	1.03 in. wg.
Working air flow	1,324 cfm
Working static pressure	1.03 in. wg.
Air density	0.075 lb/ft³
Power	686 W
Fan control - RPM	1,513 rpm
Current	5.68 A
SFP	1.097 kW/m³/s
Supply voltage	115 V

Sound power level

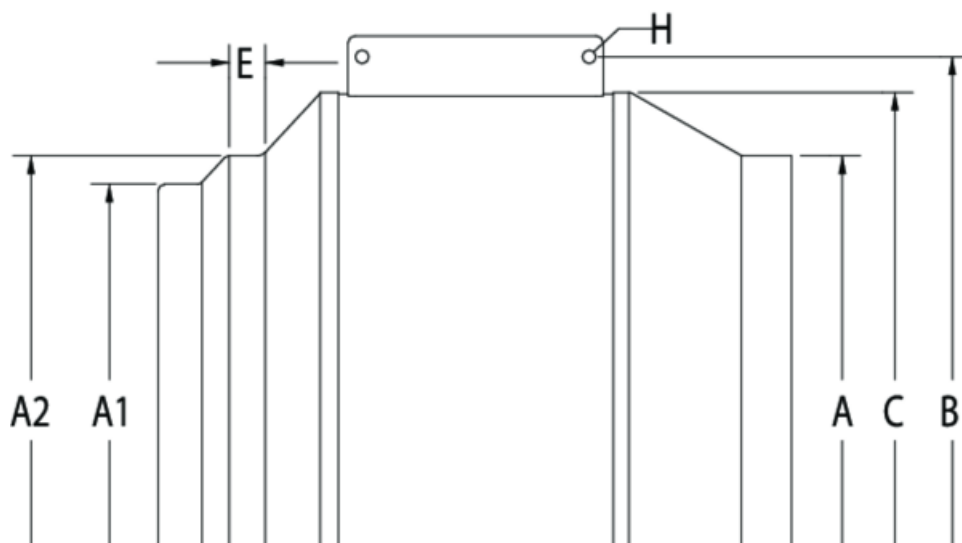
		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	54	63	70	71	73	72	66	58	78

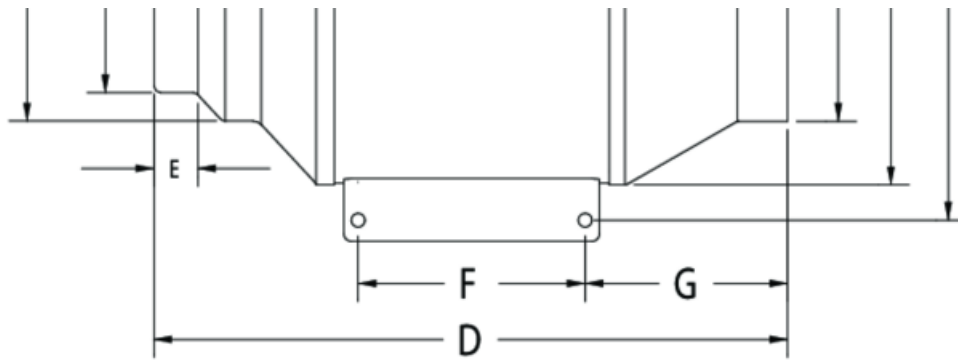
Performances

CFM Table

Model	0.0" Ps	0.5" Ps	0.75" Ps	1.0" Ps	1.5" Ps	2.0" Ps
FKD 8XL / KD 8XL	819	665	583	477	277	200
FKD 10 / KD 10	910	752	653	547	342	142
FKD 10XL / KD 10XL	1266	1100	1006	911	696	460
FKD 12 / KD 12	1305	1145	1054	948	712	479
FKD 12XL / KD 12XL	1863	1524	1325	1052	300	-
FKD 14 / KD 14	1979	1615	1390	1126	332	-
FKD 14XL / KD 14XL	2406	1947	1706	1439	652	34
FKD 16 / KD 16	2438	1958	1691	1401	712	56
FKD 16XL / KD 16XL	3740	3182	2857	2544	1801	1120
FKD 18 / KD 18	3951	3382	3087	2752	2120	1256
FKD 18XL / KD 18XL	5463	5034	4806	4569	4061	3400
FKD 20 / KD 20	5588	5151	4920	4673	4128	3492

Dimensions

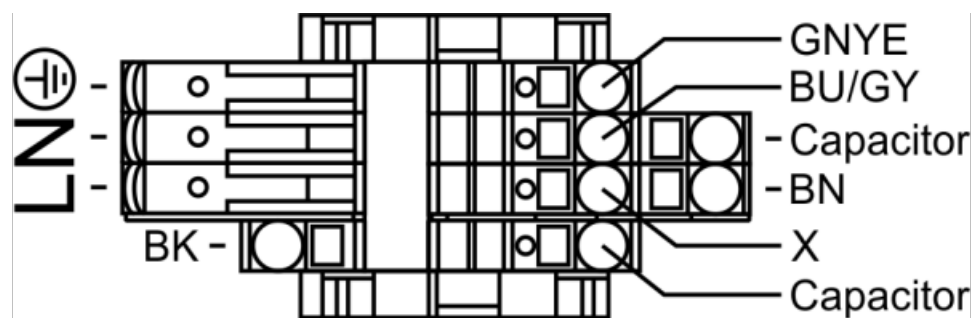




Model	A	A1	A2	B	C	D	E	F	G	H
FKD 12XL / KD 12XL	12 (305)	12 (305)	14 (356)	20 3/8 (518)	17 7/8 (454)	18 7/8 (479)	1 3/8 (35)	4 (102)	8 1/2 (216)	3/8 (10)
FKD 14 / KD 24	14 (356)	12 (305)	14 (356)	20 3/8 (518)	17 1/4 (438)	17 1/4 (438)	1 1/4 (32)	4 (102)	6 3/4 (171)	3/8 (10)
FKD 14XL / KD 14XL	14 (356)	14 (356)	15 5/8 (397)	22 3/8 (568)	19 3/4 (502)	20 1/4 (514)	1 1/2 (38)	4 (102)	8 3/4 (222)	3/8 (10)
FKD 16 / KD 16	15 5/8 (397)	14 (356)	15 5/8 (397)	22 3/8 (568)	19 3/4 (502)	18 3/4 (476)	1 1/2 (38)	4 (102)	7 1/8 (181)	3/8 (10)
FKD 16XL / KD 16XL	15 5/8 (397)	15 5/8 (397)	17 5/8 (448)	24 1/2 (622)	22 1/8 (562)	23 3/4 (603)	1 1/4 (32)	7 7/8 (200)	8 1/2 (216)	1/2 (13)
FKD 18 / KD 18	17 5/8 (448)	15 5/8 (397)	17 5/8 (448)	24 1/2 (622)	22 1/8 (562)	21 3/4 (552)	1 1/4 (32)	7 7/8 (200)	7 (178)	1/2 (13)
FKD 18XL / KD 18XL	17 5/8 (448)	17 5/8 (448)	19 5/8 (498)	28 1/2 (724)	26 (660)	27 1/4 (692)	1 3/4 (44)	7 7/8 (200)	10 1/2 (267)	1/2 (13)
FKD 20 / KD 20	19 5/8 (498)	17 5/8 (448)	19 5/8 (498)	28 1/2 (724)	26 (660)	27 1/4 (692)	1 3/4 (44)	7 7/8 (200)	10 1/2 (267)	1/2 (13)

Dimensions are in inches (mm).

Wiring



BU/GY - Blue or Grey BN - Brown
GNYE - Green-Yellow BK - Black

Accessories

- FML 14 Metal Supply Hood (492576)
- FC 14 Mounting Clamps (2 pcs) (45233)
- ADC 14 Shut-off Damper w Motor (46245)
- LD 14 Silencer (483558)

Documents

- 498379 FKD-KD IOM EN FR ES.pdf
- 498381 FKD/KD Submittal Sheet EN
- FKD-KD_CSI_SPECIFICATION.ZIP