

FKD 10 XL

Description

- Mixed flow impeller
- 100% speed controllable
- Can be installed in any position
- External rotor motor
- Galvanized steel housing
- Three-year warranty
- Certified by AMCA Air, AMCA Sound and cULus

FKD Family

Fantech FKD direct drive, mixed flow centrifugal fans blend the high flow of axial fans with the higher pressure, non-overloading characteristics of backward curved impellers. An excellent choice for exhaust or supply applications where quieter performance and easy installation are important. Perfect for commercial and institutional structures such as offices, hospitals, beauty salons, veterinary clinics as well as residential applications such as kitchen range hood exhaust.

FKD straight-through inline design fans are available in a wide range of sizes for easy installation in duct sizes from 8" to 20". Fans can be mounted at any angle at any point along the duct work. Motors are capable of operating in airstream temperatures up to 140° F. Motor bearings are permanently sealed, self lubricating ball type.

External Rotor Motors

All FKD Series fans utilize our unique external rotor motors. The motor's enclosed design allows the fan to operate in high moisture, lint and dust laden air. The motors are a permanent split capacitor type, with automatic reset thermal overload protection and sealed ball bearings. These features ensure long life and maintenance free operation. All motors and impellers are designed as one integral unit, allowing for excellent motor heat dissipation, even at a low RPM.

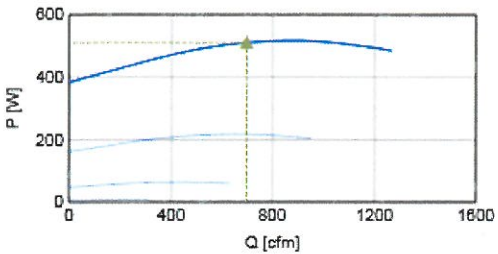
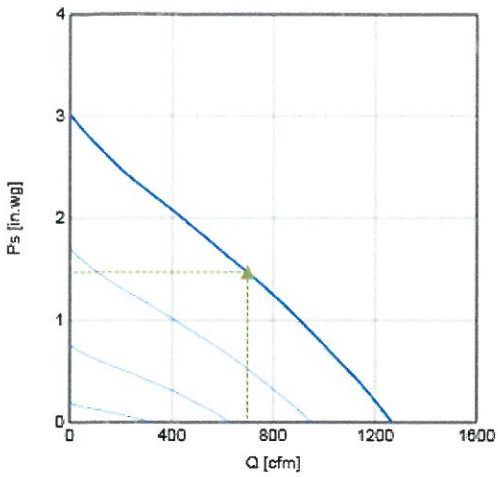


Technical parameters

Voltage	115	V
Frequency	60	Hz
Phase	1	~
Power	485	W
Current	4.48	A
Max. airflow	1267	cfm
Fan impeller speed	2889	r.p.m.
Max. temperature of transported air	140	°F
Weight	26	lbs.
Insulation class, motor	B	
Enclosure class, motor	44	IP
Certificate	AMCA Air, AMCA Sound, cULus	

Performance

Diagrams



Hydraulic data

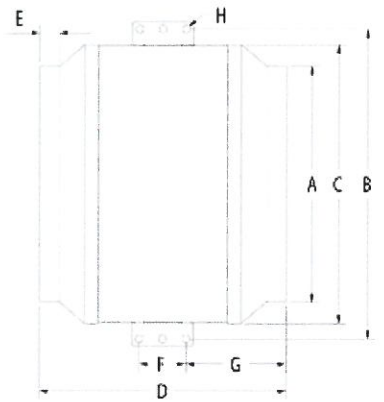
	Working point						
	Q [cfm]	Ps [in.wg]	P [W]	n [r.p.m.]	I [A]	SFP [W./l/s]	U [V]
Max efficiency	696	1.47	511	2702	-	1.56	115

Acoustic data

Sound power level	63	125	250	500	1k	2k	4k	8k	Tot
Inlet dB(A)	51	68	72	79	76	74	74	71	83

Loudness	sone
Inlet	21,5

Dimensions



Model	A	B	C	D	E	F	G	H
8XL	8	14	12 1/2	15 1/2	3/4	2 3/8	6 1/8	3/8
10	10	14	12 1/2	12 1/2	3/4	2 3/8	5	3/8
10XL	10	15 5/8	14	15	3/4	2 3/8	6 3/8	3/8