



Inline Fans - AKC Series

AKC II series are designed for direct in-line connection with industrial circular ducting of standard diameter

- Size from 100 to 355 mm
- Capacities to 2350 m³/h
- Static pressure up to 1000 Pa
- Can be mounted in any position
- Low noise level and easy installation
- Motors protected to IP44
- Motor insulation Class 'B'
- Maximum operating temperature 60°C
- Standard Thermal Overload Protection
- Speed controllable



APPLICATION

Suitable for applications in commercial and industrial exhaust and supply ventilation such as factories, shops, bars, gymnasiums, restaurants, bathrooms, kitchens, offices etc.

CONSTRUCTION

Complete range of inlet and outlet diameters to allow installations in most standard sizes of commercial ducts. The motor and impeller assembly are suitable for operation at any angle and deliver exceptional airflow performances against the high static pressures typically found in ducted ventilation systems. All AKC II series fan casing is manufactured from corrosion resistant pressed galvanized sheet steel. Non-stalling backward curved impeller which is factory matched to the corresponding external rotor motor and dynamically balanced to ISO 1940 standards for vibration free operation. All models are supplied as standard with a remotely

mounted wiring junction box to provide the installer with a completely flexible choice for positioning and installation.

Operating temperature - 20°C to +60 C

MOTOR

Motors of this AKC II series are fully speed controllable using electronic or autotransformer voltage control regulators. Enclosed, single phase, 230V, 50/60 Hz external rotor type, motors included sealed for life ball bearing assemblies and Class B, IP44 protection with an internal automatic reset safety thermal overload protection device as standard.

Accessories

Speed controllers, Silencers, Backdraft air dampers, Ducting Fixing Clamps Reducers, Duct Joining Pieces, flexible duct, Mounting parts, Shutters, Grids





Model	Capacity max. (m ³ /h)	100 Pa m ³ /h	150 Pa m ³ /h	250 Pa m ³ /h	400 Pa m ³ /h	Pressure max. (Pa stat.)	Motor (W)	In max. (A)
AKC 100	400	300	290	150	-	350	70	0,23
AKC 125	450	400	320	200	-	320	70	0,23
AKC 150	540	475	400	225	-	380	70	0,37
AKC 160	850	750	600	400	100	450	170	0,50
AKC 200	1200	1000	880	600	100	600	170	0,50
AKC 250	1600	1400	1200	750	600	590	210	0,65
AKC 315	2200	2100	1900	1500	1250	700	250	1,14
AKC 355	2350	2200	2100	1800	1650	750	370	1,25

Technical Data

Model	Voltage (V)	FREQUENCY (Hz)	POWER (W)	REVOLUTION (rpm)	FLOW (m ³ /h)	dB (A) at 3 m	Motor Protection	Insulation Class
AKC 100	230	50/60	70	2650	400	47	IP44	F
AKC 125	230	50/60	70	2650	450	47	IP44	F
AKC 150	230	50/60	70	2650	540	50	IP44	F
AKC 160	230	50/60	170	2600	850	51	IP44	F
AKC 200	230	50/60	170	2600	1200	51	IP44	F
AKC 250	230	50/60	210	2600	1600	53	IP44	F
AKC 315	230	50/60	250	2600	2000	54	IP44	F
AKC 355	230	50/60	370	2500	2350	57	IP44	F

Indication dimensions AKC -Line Metal

	A	B	C	Ø D	Ø d	E
100	12	192	24	245	98	38
125	11	192	24	245	122	38
150	22	185	22	333	148	38
160	21	252	22	333	158	38
200	22	240	27	333	198	38
250	22	245	35	333	248	38
315	30	280	52	404	314	38

