

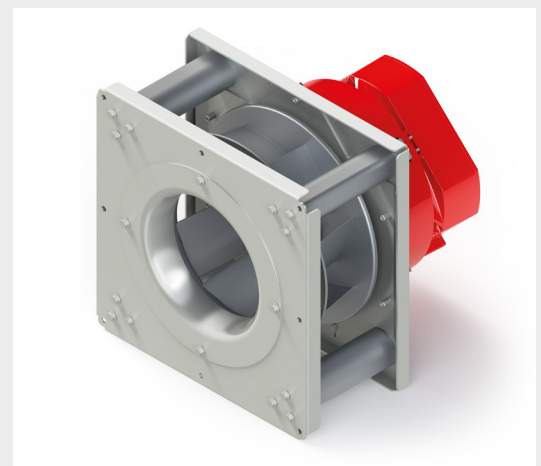
ATLAS AIR



APPLICATIONS

Fan Matrixes / Fan Arrays, Air Handling Units

ATLAS AIR's focus on energy efficiency not only reduces operating costs but also ensures sustainability, while the high-performance EC motor delivers exceptional airflow with minimal noise, backed by comprehensive technical support for seamless integration. Designed for project-based businesses, the design offers easy installation, maintenance, and a compact size, saving on labor costs and optimizing air handling unit space for more efficient designs.



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SPECIFICATIONS

BENEFITS

High system efficiency due to optimum impeller-motor combination

- Next generation EC motor
- Compact and light design
- Low sound emission
- Integrated VFD
- Timely delivery for critical applications
- Cost and space savings for project-based business
- Energy efficiency for reduce operating costs
- Comprehensive support for seamless integration
- Reliable and long-lasting solution

TECHNICAL DATA

Blower:

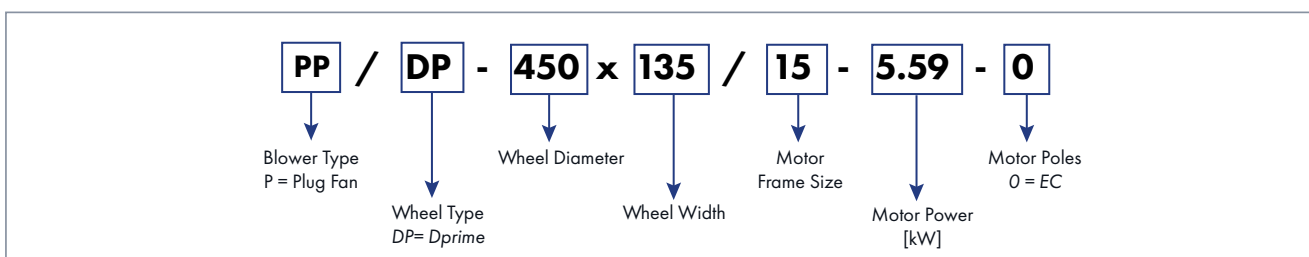
- Dprime AWA: aluminum
- Inlet plate, motor plate and inlet cone: galvanized steel
- Airfoil blade geometry
- Direction of rotation: clockwise (suction side view)
- Balanced according to ISO 21940-11
- Durability through cycle fatigue testing

Motor:

- Supply voltage: 460V, 575V*
- Supply voltage frequency: 60 Hz
- Motor protection class: IP54, IP65
- Motor insulation class: B
- Temperature range: -13 °F to 104 °F (-25 °C to 40 °C)

*available with selected models, details on page 4

TYPE EXPLANATION



Punker LLC certifies that the model ATLAS AIR shown herein is licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

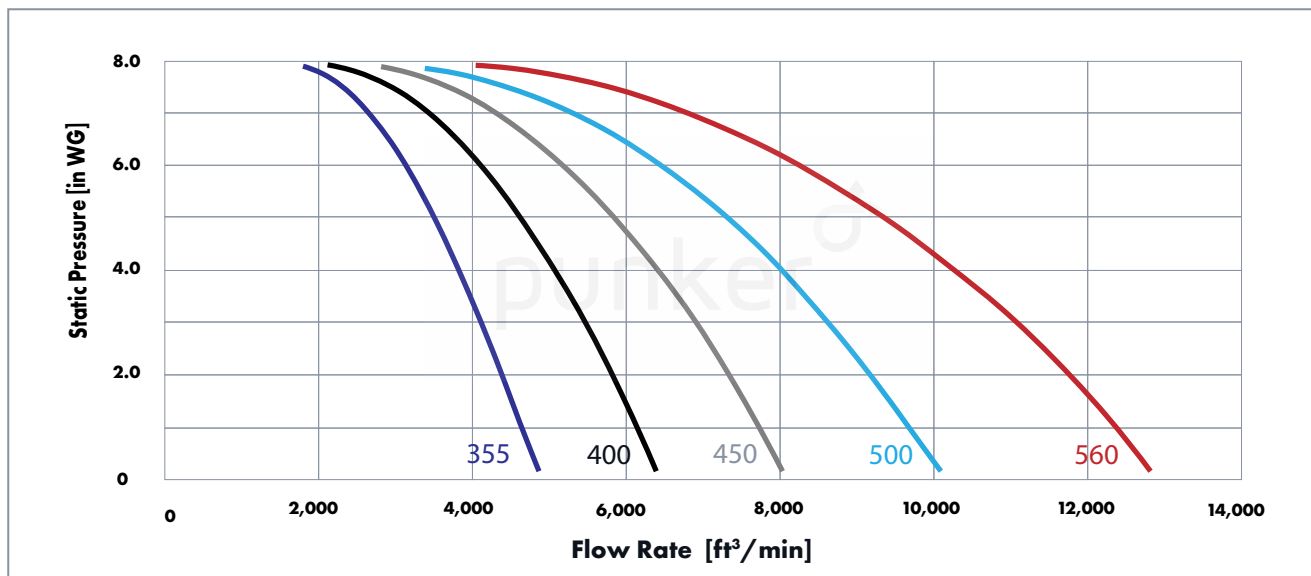


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PERFORMANCES



The performance is certified for installation type A: free inlet, free outlet and the ratings do not include the effects of appurtenances. In principle, it has to be taken into account that these characteristic values were recorded under laboratory conditions. The real data are to be evaluated in consideration of further marginal conditions.

FANCAT



Select this product for your specific application with our fan selection tool "FanCat".

To receive a download link and license key, please contact:

engineering@punker.com



NOTES

- Perform installation and start-up checks
- Designed for continuous operation S1
- Balance check with possible trim balance is recommended
- Checking of frequencies necessary
- System resonant frequencies must be avoided
- Installation and start-up should be carried out by qualified personnel only

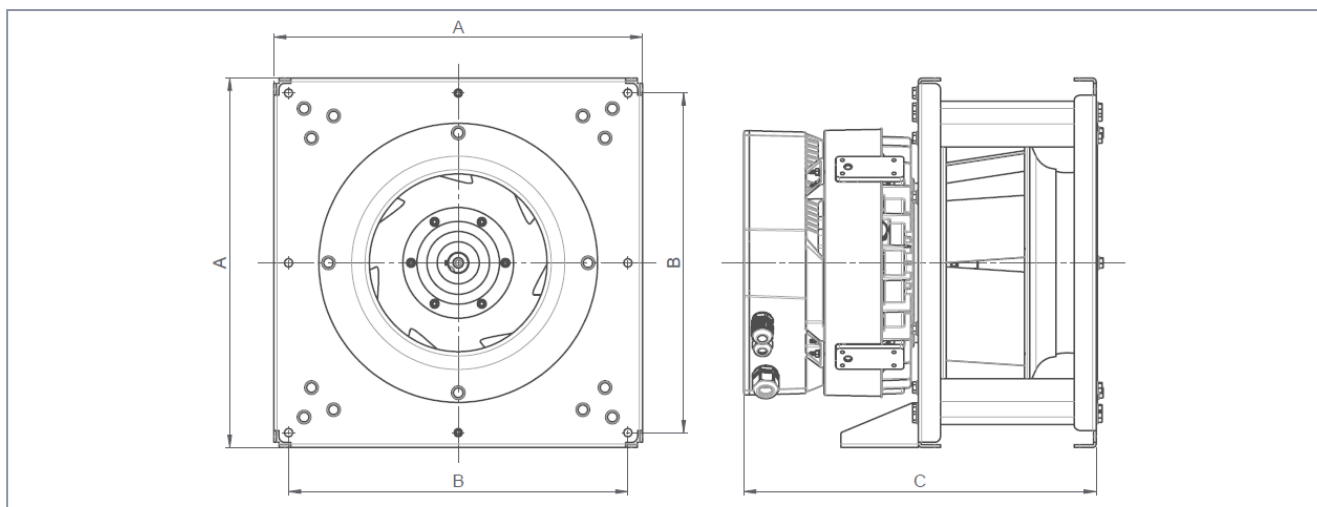
K-factor: Calibration factor for airflow
For technical information please refer to the **k-factor data sheet** 2.331-4.02

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DIMENSIONS



type	operating data			dimensions						unit weight	
	max. speed	max. static pres- sure	max. flow rate	A		B		C			
	[rpm]	[in WG]	[cfm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]
PP/DP-355x106/13-3.73-0	3420	7.9	4890	19.685	500	18.110	460	18.819	478	126	57
PP/DP-355x106/15-5.59-0	3900	10.2	5580	19.685	500	18.110	460	18.543	471	144	65
PP/DP-400x120/13-3.73-0	2550	5.5	5360	19.685	500	18.110	460	19.803	503	133	60
PP/DP-400x120/15-5.59-0	3100	8.0	6520	19.685	500	18.110	460	19.527	496	150	68
PP/DP-450x135/15-3.73-0 *	2160	5.1	6500	21.653	550	20.078	510	20.675	525	164	74
PP/DP-450x135/15-5.59-0 *	2630	7.5	7910	21.653	550	20.078	510	20.675	525	164	74
PP/DP-450x135/18-7.46-0 *	2880	9.0	8660	21.653	550	20.078	510	20.551	522	179	81
PP/DP-500x150/15-3.73-0 *	1900	4.9	8020	23.622	600	22.047	560	21.797	554	181	82
PP/DP-500x150/15-5.59-0 *	2200	6.5	9280	23.622	600	22.047	560	21.797	554	181	82
PP/DP-500x150/18-7.46-0 *	2450	8.0	10330	23.622	600	22.047	560	21.692	551	195	88
PP/DP-500x150/20-11.19-0	2730	10.0	11520	23.622	600	22.047	560	21.850	555	228	103
PP/DP-560x168/15-3.73-0 *	1500	3.8	9000	26.771	680	25.196	640	23.195	589	212	96
PP/DP-560x168/18-5.59-0 *	1800	5.5	10800	26.771	680	25.196	640	23.087	586	225	102
PP/DP-560x168/20-7.46-0 *	2000	6.8	12010	26.771	680	25.196	640	23.267	591	258	117
PP/DP-560x168/20-11.19-0	2150	7.9	12900	26.771	680	25.196	640	23.267	591	258	117

* model available in 575V configuration

Performance certified is for installation type A. Free inlet, free outlet with partition. Performance ratings do not include the effects of appurtenances.

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