



Rotron / Airscrew



Airscrew 200+ Vmax Vaneaxial Fans

General Vaneaxial Information

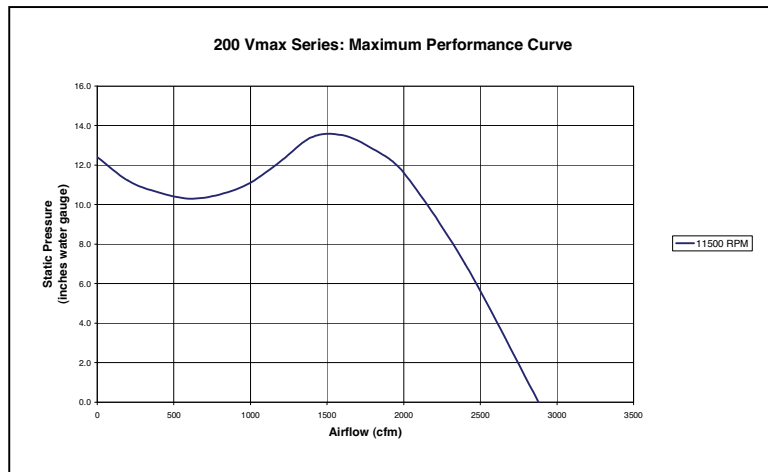
Vmax Vaneaxial Fans comprise a combination of rotating impeller and stationary guide vanes, housed within an axial duct known as the fan case. The function of the guide vanes is to increase the pressure capability of the fan. Higher aerodynamic efficiencies are achieved with true airfoil blade designs.

These fans typically operate up to the aerodynamic stall point. The axial configuration allows easy installation into ducted systems, with cooling air

passing over the integral motor, allowing compact motor design with high power demand in small packages. The Vaneaxial designs are suitable for operation in severe environments, including sand scavenge applications.

Vmax Fans are available in AC or DC supply configuration and can be supplied with thermal protection, speed sensing and customized interfaces.

200 Vmax Fan



*Individual Performance Curve Characteristics Available Upon Request

General

- Physical Envelope: Ø8.27" x 9.45" (Ø210mm x 240mm)
- Weight: 17.2lbs. (7.8kg)
- Airflows up to 2860 CFM (1350l/s)
- Static Pressures: up to 14.05 IWG (3.5kPa)
- Suitable for Sand Scavenge Applications
- Thermal Protection
- Locked Rotor Protection

Materials and Finishes

- Aluminum alloy anodized dyed black impeller, guide vanes and case
- Stainless steel S80D shaft
- High precision, sealed ABEC 7, maintenance free bearings
- Stator wound to class H insulation
- Stainless Steel Blades for Sand Scavenge Applications
- Chrome Impeller Track for erosion protection

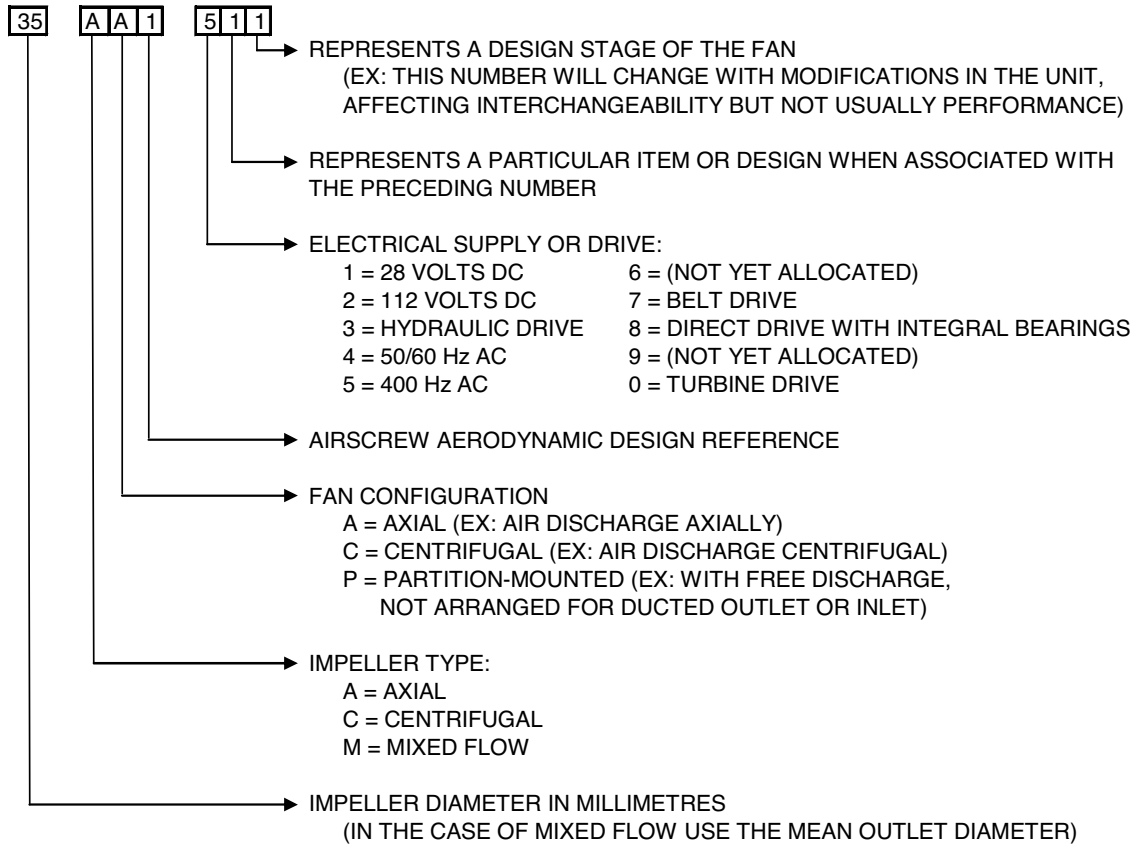
Options/Accessories

- Speed Sensors
- Thermal Sensors
- Thermal Protection
- Finger Guards



Unit Description Key

The unit description key is for reference only and should not be confused with a part number. While most units are custom configurations, not all variations of the key shown below are possible. Please contact the Application Engineering department for more information regarding possible custom configurations.



EXAMPLE: 35, AA1, 551
WHERE: 35 = 35MM IMPELLER DIAMETER, A = AXIAL IMPELLER, A = AIR DISCHARGE AXIALLY, 1 = AERODYNAMIC DESIGN REFERENCE, 5 = 400 Hz AC LINE ELECTRICAL SUPPLY, 1 = FIRST INSTALLATION DESIGN STAGE

Ordering Information

When ordering, please specify the specific Airscrew part number listed on the following model table. Further ordering information, based on the configuration and motor series, may be obtained by contacting customer service. Please refer to the Unit Description Key explanation above.



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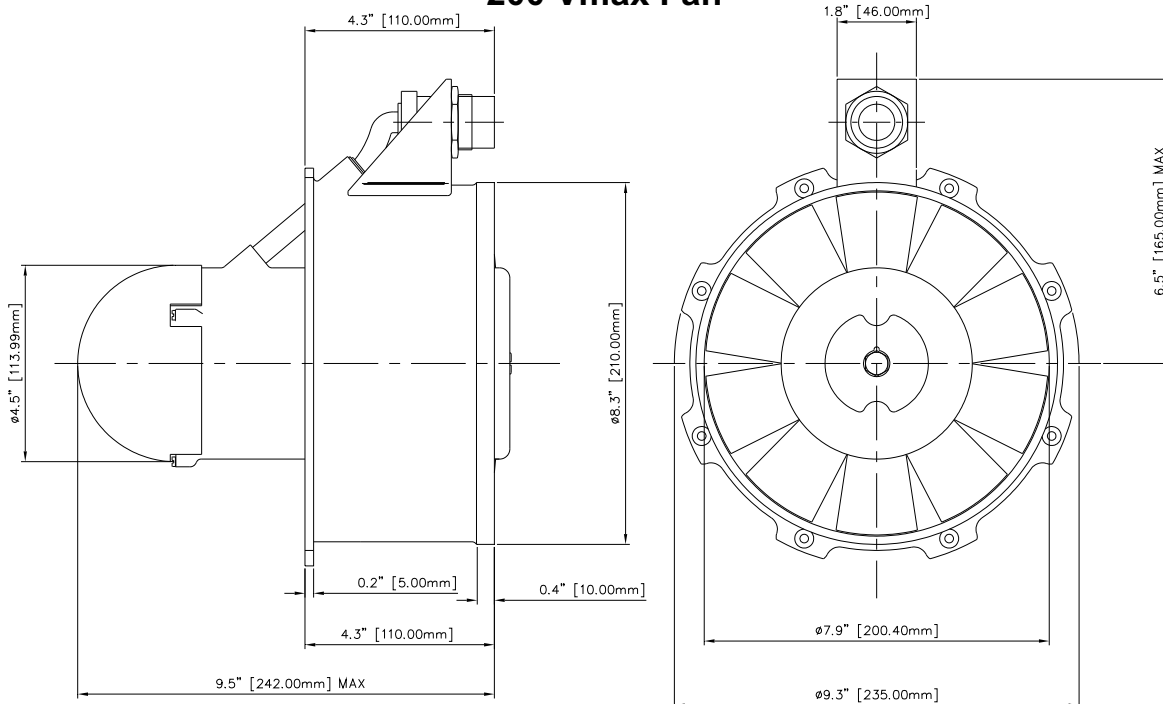
Standard Product Offering of AC Line Powered Models

Part #	Prod Description	FLOW (CFM)	Max Pressure (IWG)	Nom RPM	Nom Watts	Line Amps (A)	Max Amb (C)	Weight (lbs)	Phase	Hz	Volts	Airflow Source Data
040231000	7017 - 2	2880.4	13.51	11500	4850.00	18.8	82	17.16	3	400	200	AS005-24
040078000	220-AA1-421	832.03	2.14	3400	549.00	1	N/A	16.28	3	60	480	AS007-24
040038000	220-AA1-431	828.49	2.21	3400	583.00	2.25	N/A	16.28	3	60	230	AS007-2
040079000	270-AA1-411	620.84	0.26	1450	100.00	0.4	N/A	23.10	3	50	400	AS007-25
040039000	280-AA1-411	1188.7	1.39	2920	410.00	0.77	N/A	37.40	3	50	400	AS007-3
040041000	310-AA1-411	750.09	0.77	1780	132.00	0.55	N/A	41.80	3	60	230	AS007-4
040043000	310-AA2-411	1307.4	1.98	2950	422.00	0.75	N/A	45.11	3	50	415	AS007-5
040055000	310-AA3-411	644.15	0.48	1470	99.00	0.3	N/A	26.40	3	50	400	AS007-6
040262000	330-AA2-512	2563.87	3.37	3800	1130.00	5.55	N/A	N/A	3	400	200	AS018-20

Standard Product Offering of DC Line Powered Models

Part #	Prod Description	FLOW (CFM)	Max Pressure (IWG)	Nom RPM	Nom Watts	Line Amps (A)	Max Amb (C)	Weight (lbs)	Volts	Airflow Source Data
018054000	305-AA9-111	2288.4	3.05	3600	887.00	32	45	44.00	27.5	AS001-14

200 Vmax Fan*



*Part Number Specific Drawings Available Upon Request

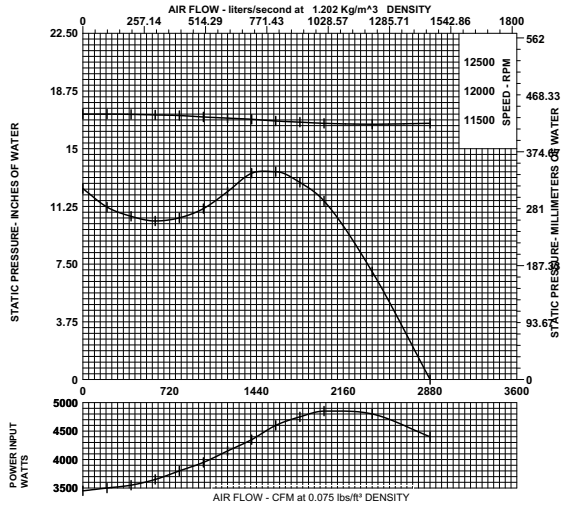
Specifications subject to change without notice



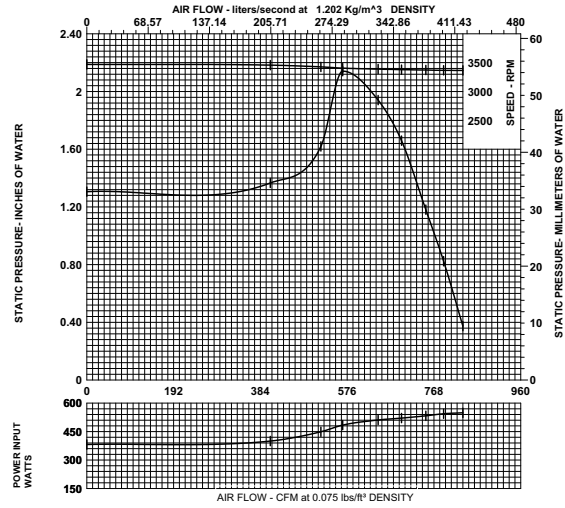
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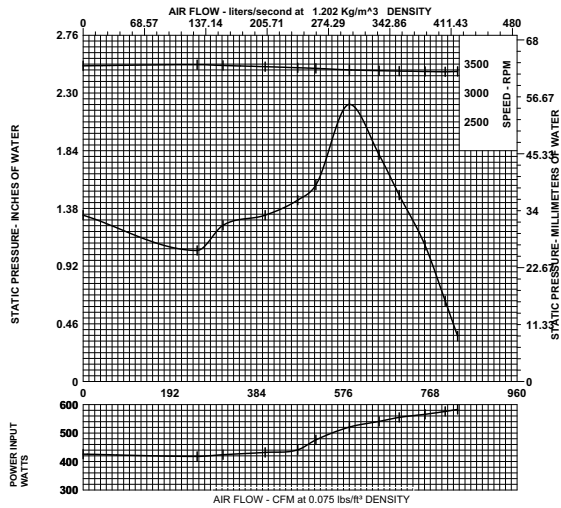
P/N 040231000 7017 - 2 AS005-24



P/N 040078000 220-AA1-421 AS007-24



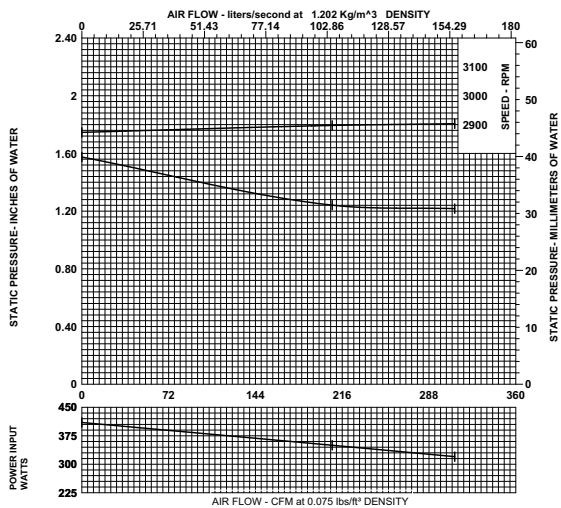
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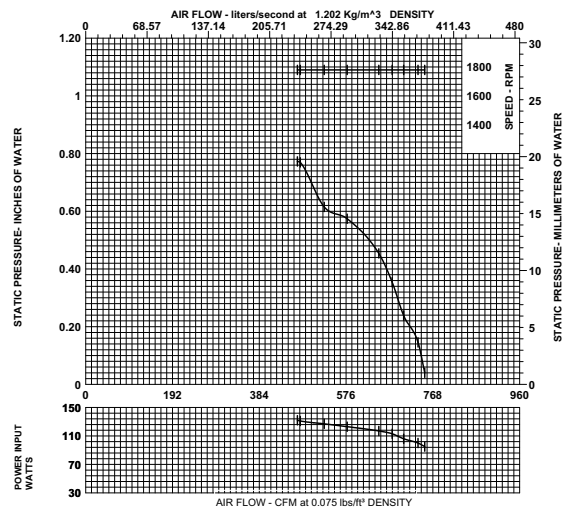
P/N 040079000 270-AA1-411 AS007-25

CONSULT FACTORY FOR DATA

P/N 040039000 280-AA1-411 AS007-3



P/N 040041000 310-AA1-411 AS007-4



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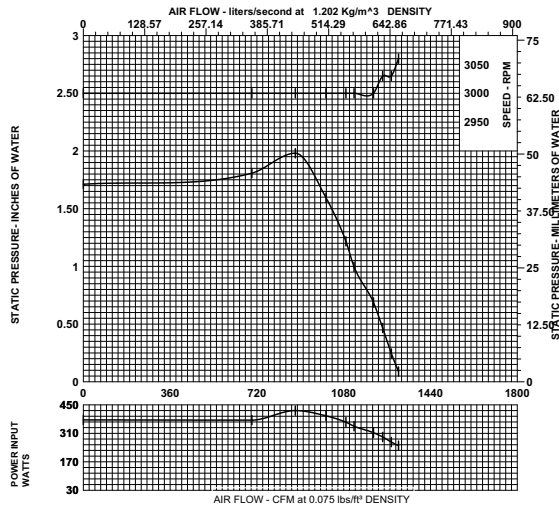
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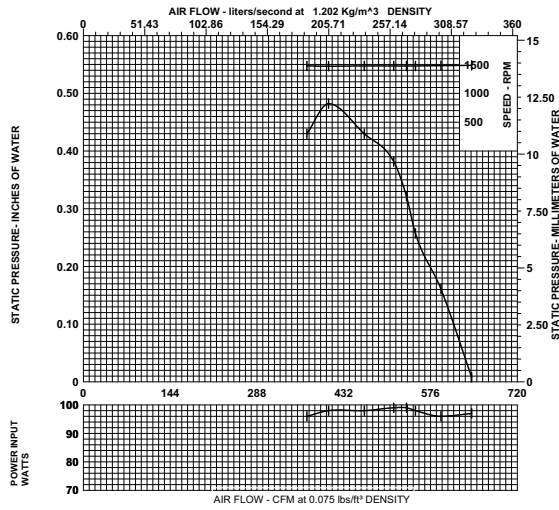
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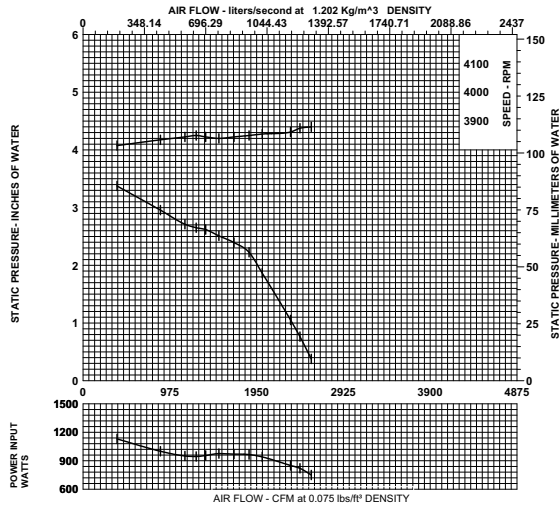
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P/N 040055000 310-AA3-411 AS007-6



P/N 040262000 330-AA2-512 AS018-20



P/N 018054000 305-AA9-111 AS001-14

