



Airscrew 70 to 98 Vmax Vaneaxial Fans

General Vaneaxial Information

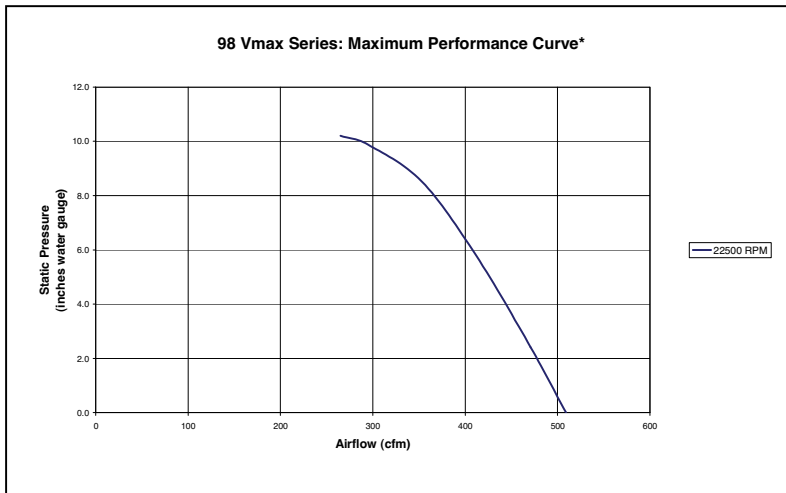
Vmax Vaneaxial Fans comprise a combination of rotating impeller and stationary guide vanes, housed within an axial duct known as the fan case. The function of the guide vanes is to increase the pressure capability of the fan. Higher aerodynamic efficiencies are achieved with true airfoil blade designs.

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 configuration and can be supplied with thermal protection, speed sensing and customized interfaces.

98 Vmax Fan



*Individual Performance Curve Characteristics Available Upon Request



General

- Physical Envelope: 4.37" x Ø 4.13" (111mm x Ø105mm)
- Weight: 3lbs. (1.36Kg)
- Specifically designed for avionics/electronics cooling
- Designed to meet MIL-STD-810
- Flying Lead Connections

Materials and Finishes

- Aluminium 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

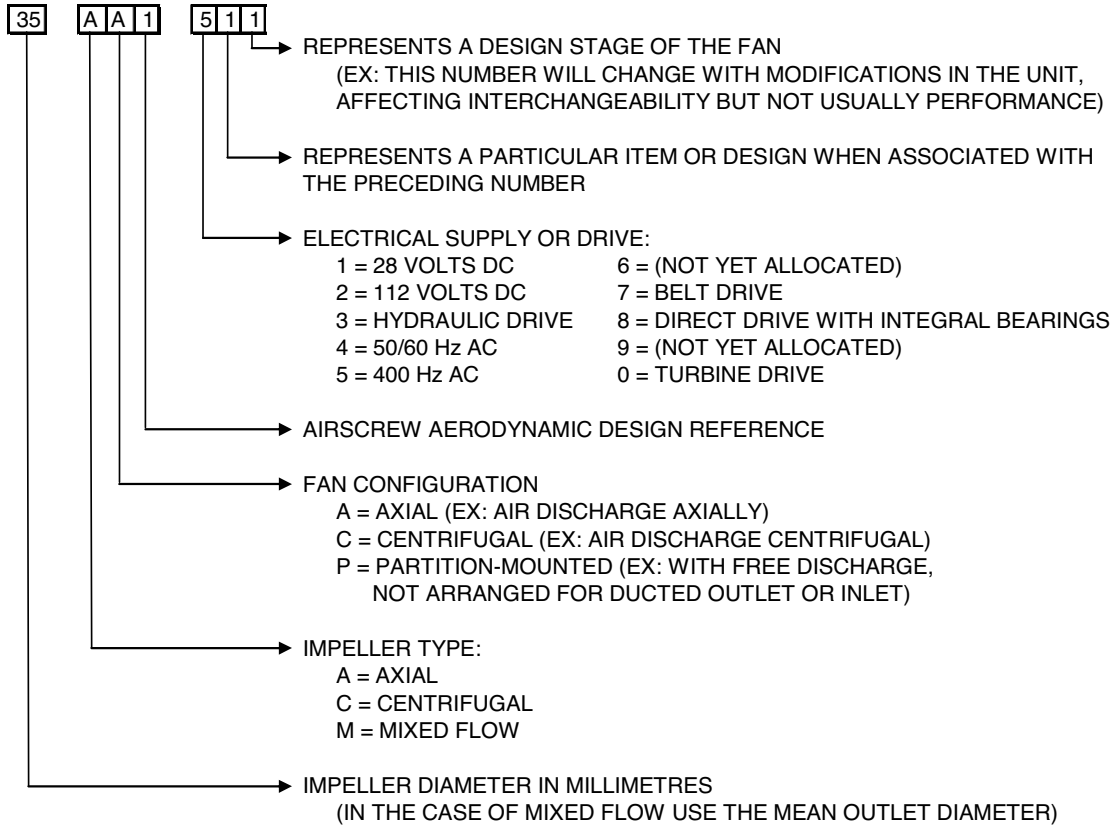
Options/Accessories

- 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

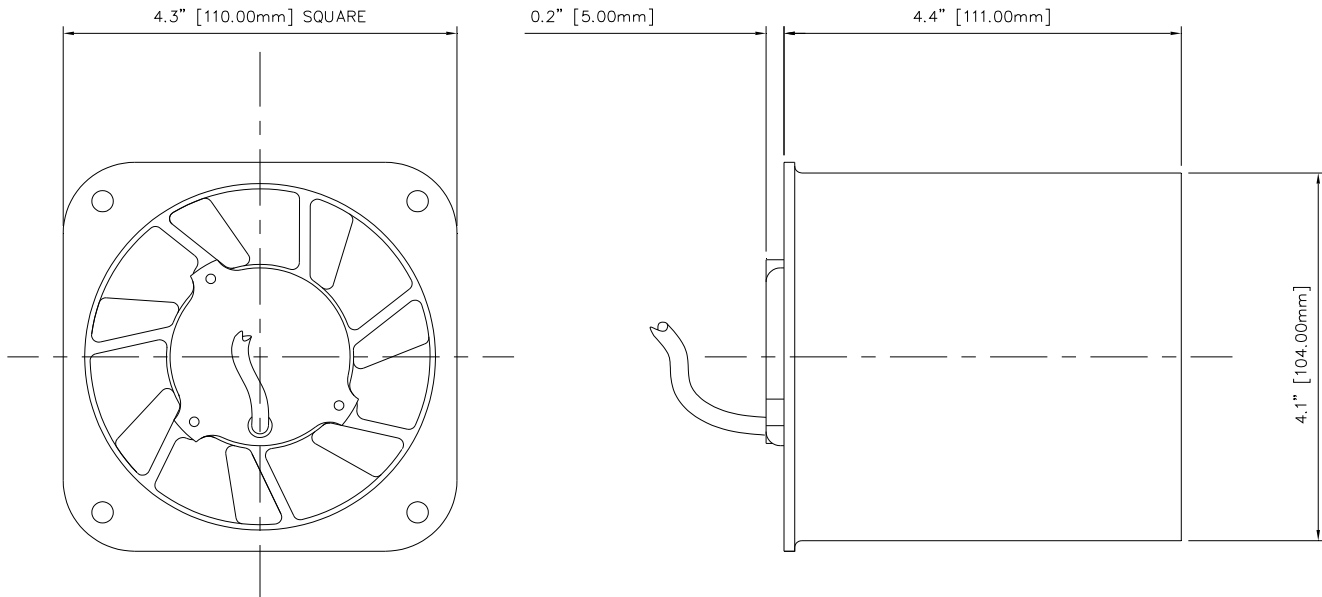
When ordering, please specify the specific Airscrew part number listed on the following model table. Further ordering information, based on the configuration and motor series, may be obtained by contacting customer service. Please refer to the Unit Description Key explanation above.



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
040228000	7184	79.25	8.4	22000	141.00	0.53	90	1.96	3	400	200	AS005-21
040135000	70-AA6-513	121.84	5.58	22000	141.00	0.54	N/A	1.16	3	400	200	AS005-9
040254000	70-AA7-512	122.01	8	22000	N/A	N/A	N/A	N/A	3	400	200	AS019-4
040225000	98-AA1-522/1	509.17	10.2	22000	880	3.3	90	3.00	3	400	200	AS005-15
040221000	98-AA1-533	211.89	2.59	11500	123.50	0.82	-	4.00	3	400	200	AS005-4
040256000	98-AA1-542/2	466.16	10.61	22000	790.00	2.91	70	3.79	3	400	200	AS018-22
040258000	98-AA1-551-1	44.97	8.68	N/A	N/A	2.69	N/A	N/A	3	400	200	AS019-16
040201000	98-AA1-571	467.01	14.81	22000	900	3.3	70	4.08	3	400	200	AS003-24
040223000	98-AA2-511	317.84	5.18	11500	372.00	1.69	70	3.20	3	400	200	AS005-7
040278000	98-AA2-522-2	444.97	8.72	21000	900	3.3	70	3.2	3	400	200	AS020-16

98 Vmax Fan*



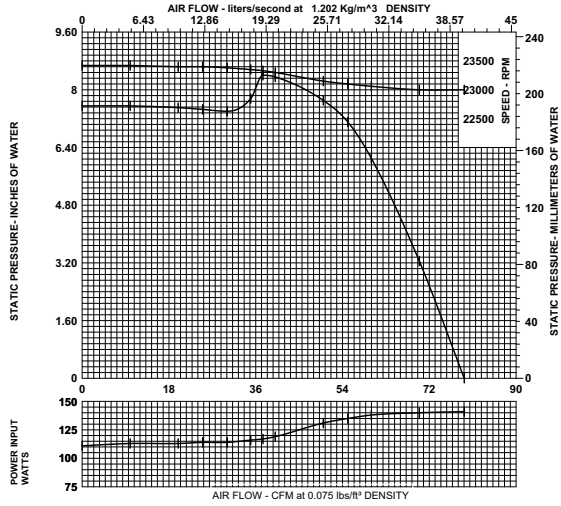
*Part Number Specific Drawings Available Upon Request



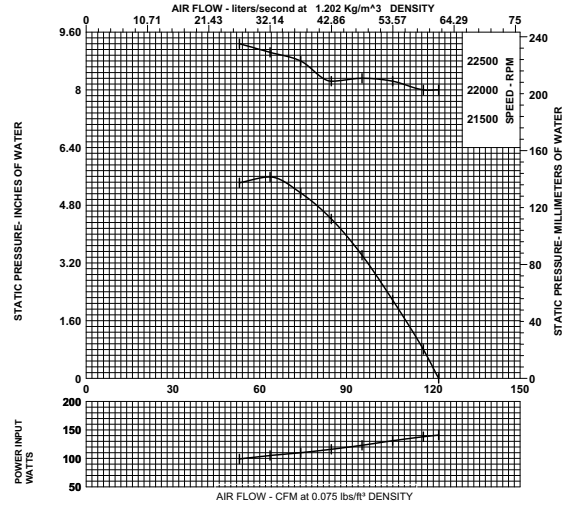
Rotron / Airscrew



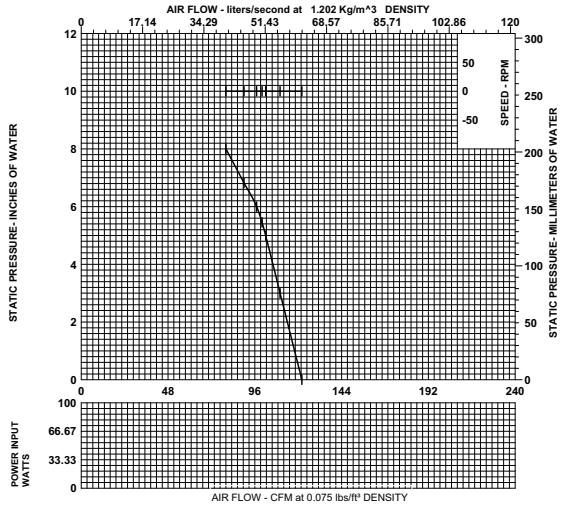
P/N 040228000 7184 AS005-21



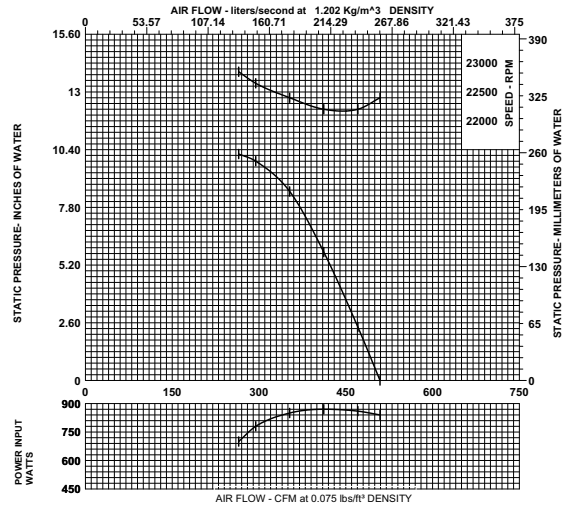
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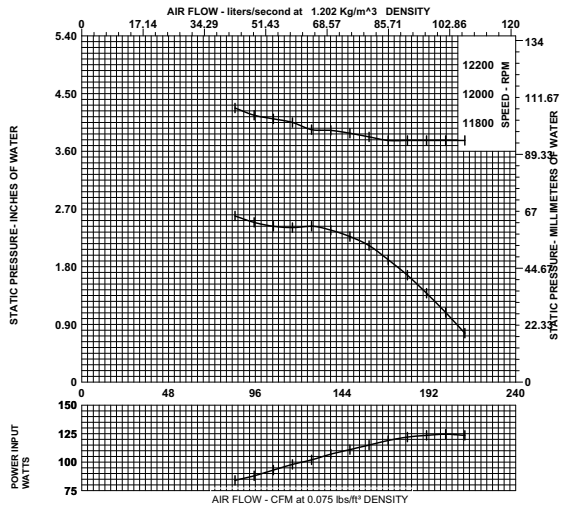
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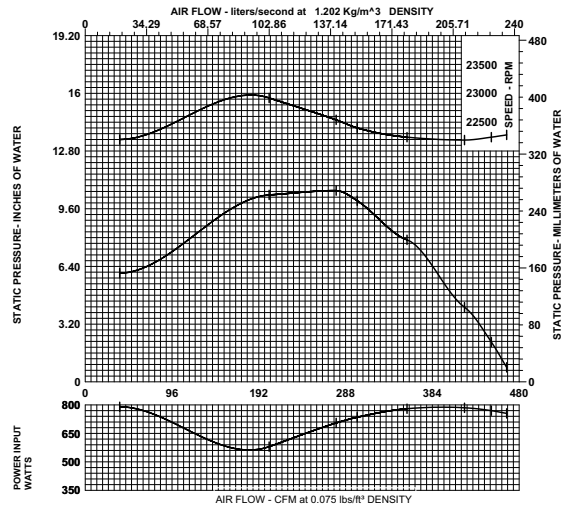
P/N 040225000 98-AA1-522/1 AS005-15



P/N 040221000 98-AA1-533 AS005-4



P/N 040256000 98-AA1-542/2 AS018-22



Specifications subject to change without notice



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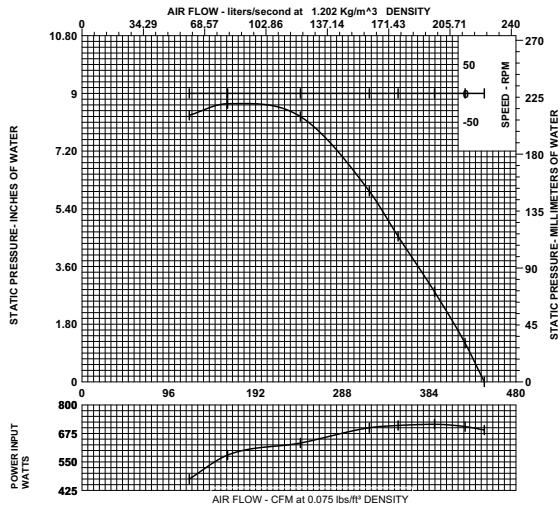
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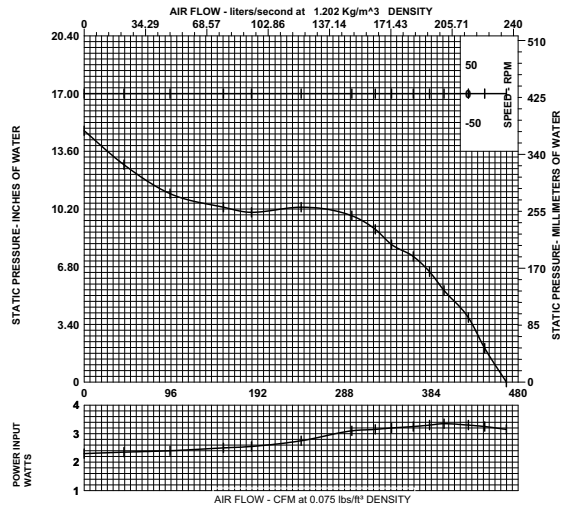
Rotron / Aircrew



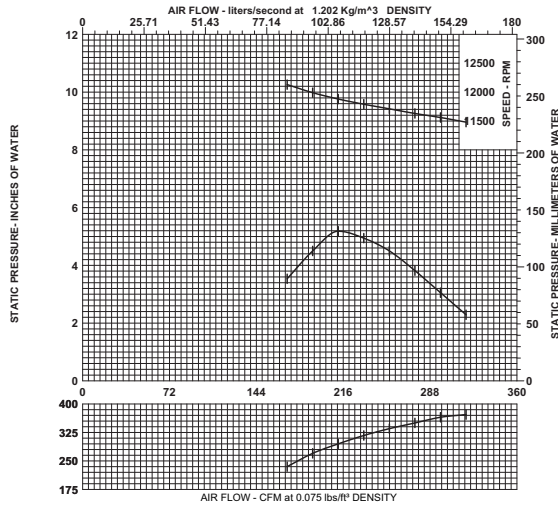
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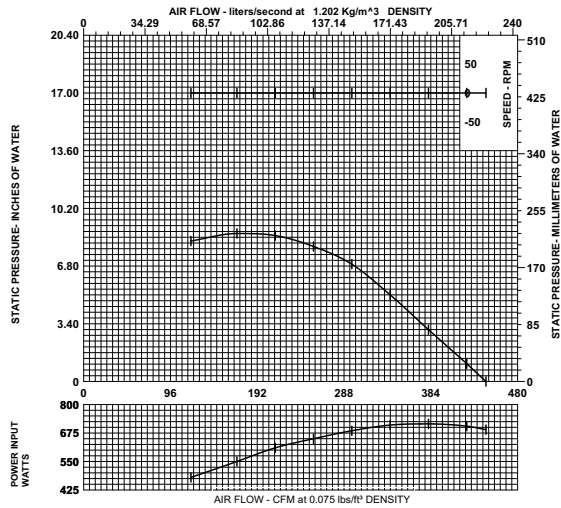
P/N 040201000 98-AA1-571 AS003-24



P/N 040223000 98-AA2-511 AS005-7



P/N 040278000 98-AA2-522-2 AS020-16





Rotron / Airscrew



NOTES:

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