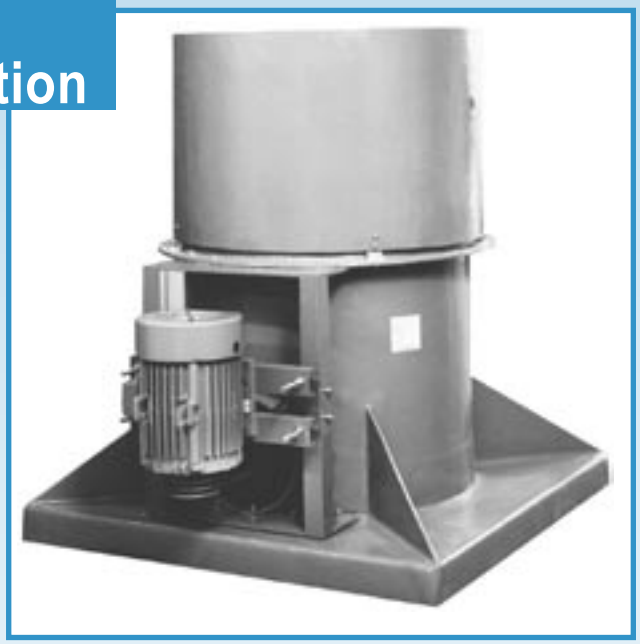
900 SERIES

# Duct Mounted Axial Flow

**FRP Construction**

# Roof Top



- Fourteen Sizes • Industrial Applications
- Static pressures up to 3” W.G. (745 Pa)
- Volume Range 1000 CFM (472 l/sec) up to 80000 CFM (37760 l/sec)

Plasticair

## Introduction

Plasticair has a complete line of Axial flow FRP fans. The two main types covered in this catalog are Vane Axials (recommended for duct installation) and Tube Axials (recommended for end of the line or roof top applications). Plasticair Axial flow fans are of high industrial quality while at the same time maintaining an economical solution to moving corrosive air. Both types are versatile as they can be mounted either vertically or horizontally.

The 900 Series Fans are available in 14 sizes and cover volume ranges from 1000 CFM up to 100,000 CFM. Light corrosive environments up to extreme corrosive environments are where these Axial flow Fans are best utilized.

# Industrial Quality

## 900 V Series

Duct Mounted Vane Axial Fan

## 900 V Series

Roof Mounted Vane Axial Fan

## 900 T Series

Duct Mounted Tube Axial Fan

## 900 T Series

Roof Mounted Tube Axial Fan

# 900 V Series

## Standard Features

FRP Housing Construction: Designed for industrial applications, the housing is solid FRP throughout. All FRP exposed to the corrosive gas stream is constructed with a resin rich corrosion barrier complete with C-veil. The FRP flanges are very rigid with a factory flat finish and are supplied as standard not drilled. Airstream straightening blades are fixed into the housing from the bearing/shaft drive tube to the inner wall of the outer tube. The 316 stainless steel shaft, bearings and V-belt drive set are completely protected from the corrosive airstream by the FRP drive tube.

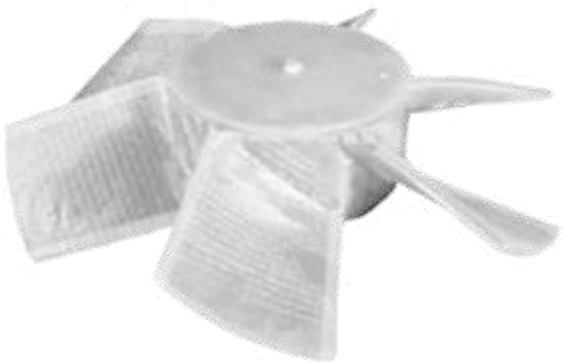
Shaft:
The shaft is constructed of 316 stainless steel

Bearings:
Sealed for life, heavy duty solid pillow block bearings, rated minimum 50,000 hours L 10

Fasteners:
All Fasteners are 316 stainless steel

Motor support:
The adjustable motor support is fastened between the flanges and is epoxy coated.

Extended grease lines:
Grease lines are located in a maintenance friendly location to ensure easy bearing lubrication.



## Standard Features

FRP Wheel Construction: The 900-V Series Propeller is constructed of vinyl ester resins and reinforcing glass by method of hand layup. This heavy duty design uses a solid FRP hub which is fabricated as one piece with the six wheel blades. For maintenance benefits, the wheel is removable from the 316 stainless steel shaft. A sprocket and bushing, which is completely protected by FRP, is used to attach the shaft to the rest of the wheel assembly. The highly efficient design incorporates a full width and full twist blade giving the fan the best possible high end performance at the best possible sound levels. All leading and trailing edges of the propeller incorporate nexus in the corrosion barrier to achieve the best resistance against abrasion.

# 900 V Series

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FRP Housing Construction: Designed for industrial applications, the housing is solid FRP throughout. All FRP exposed to the corrosive gas stream is constructed with a resin rich corrosion barrier complete with C-veil. Airstream straightening blades are fixed into the housing from the bearing/shaft drive tube to the inner wall of the outer tube. The 316 stainless steel shaft, bearings and V-belt drive set are completely protected from the corrosive airstream by the FRP drive tube.

Extended grease lines: Grease lines are located in a maintenance friendly location to ensure easy bearing lubrication.

FRP Roof Curb Cap: This FRP roof curb cap is an integral part of the Fan Housing. It is designed to cover the roof curb. Plasticair is able to supply this item to accommodate customers curb dimensions.

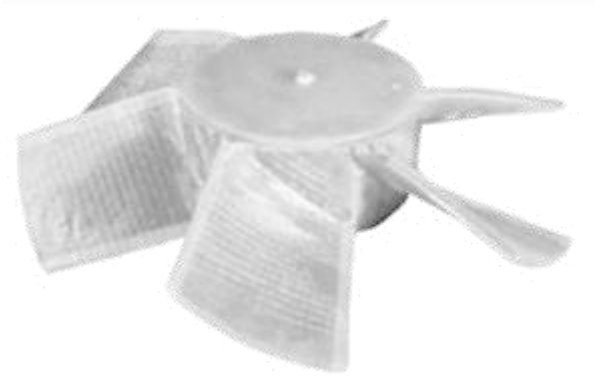
Shaft: The shaft is constructed of 316 stainless steel.

Bearings: Sealed for life, heavy duty solid pillow block bearings, rated minimum 50,000 hours L 10.

Fasteners: All Fasteners are 316 stainless steel.

Motor support: The adjustable motor support is fastened between the flanges and is epoxy coated.

FRP Windband and Backdraft Dampers: The Gravity operated FRP backdraft dampers are protected from outdoor wind by the FRP windband cowling. The dampers are of butterfly design and are not only effective in stopping backdraft, but are also very effective in stopping rain.



## Standard Features

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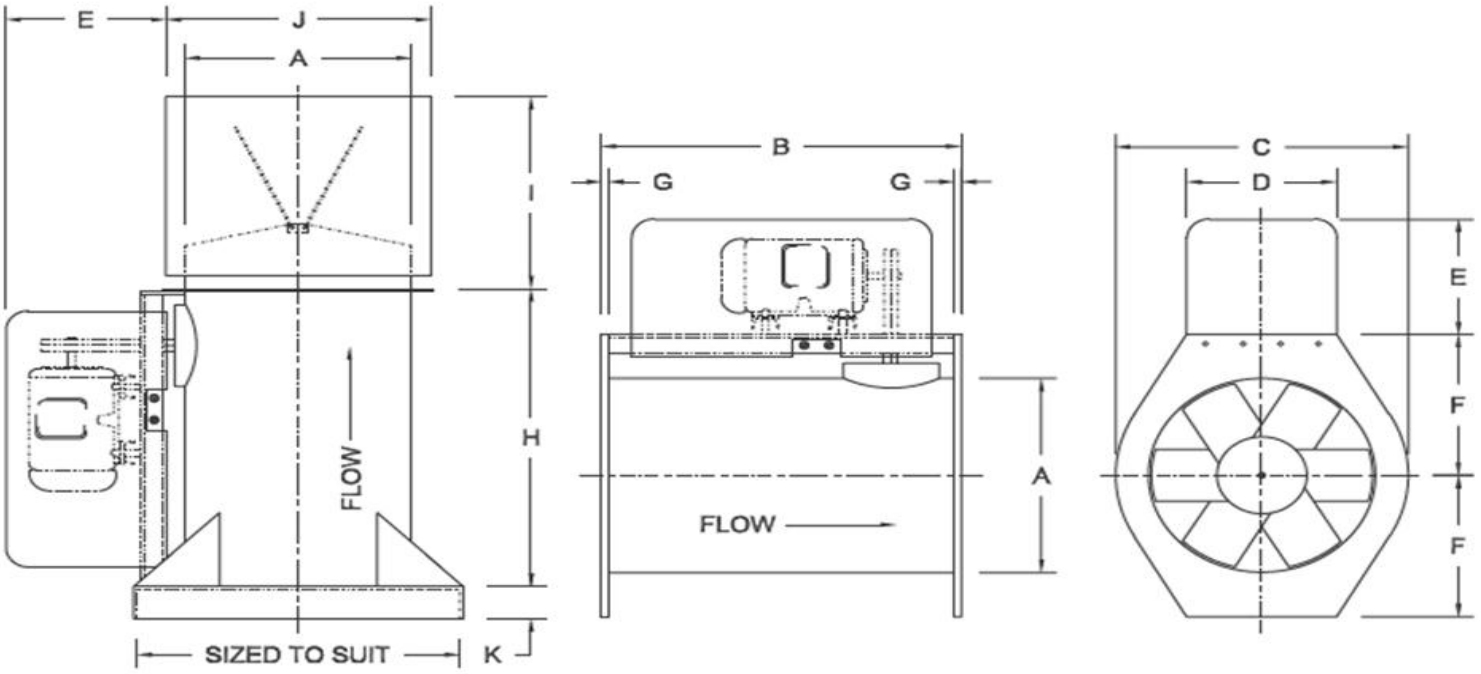
# Dimensions

## 900 V




**900V DIMENSIONS: inches (mm)**

| FAN SIZE | 915 | 918 | 921 | 924 | 927 | 930 | 933 | 936 | 940 | 944 | 949 | 954 | 960 | 966 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A** inside | 15 1/8 (384) | 18 1/8 (460) | 21 1/8 (537) | 24 1/8 (613) | 27 3/16 (691) | 30 3/16 (767) | 33 3/16 (843) | 36 1/4 (921) | 40 1/4 (1022) | 44 1/4 (1124) | 49 1/4 (1251) | 54 1/4 (1378) | 60 1/2 (1537) | 66 1/2 (1689) |
| **B** 24 (610) | | 24 (610) | 24 (610) | 28 (711) | 31 (787) | 33 (838) | 36 (914) | 40 (1016) | 43 (1092) | 46 (1168) | 52 (1321) | 57 (1448) | 63 (1600) | 69 (1753) |
| **C** 19 1/2 (495) | | 22 1/2 (572) | 25 1/2 (648) | 28 1/2 (724) | 31 1/2 (800) | 34 1/2 (876) | 37 1/2 (953) | 40 1/2 (1029) | 44 1/2 (1130) | 48 1/2 (1232) | 55 1/2 (1410) | 60 1/2 (1537) | 66 1/2 (1689) | 72 1/2 (1842) |
| **D** 10 (254) | | 12 (305) | 14 (356) | 16 (406) | 18 (457) | 20 (508) | 22 (559) | 24 (610) | 26 (660) | 28 (711) | 30 (762) | 30 (762) | 33 (838) | 36 (914) |
| **E** | VARIES WITH MOTOR SIZE | | | | | | | | VARIES WITH MOTOR SIZE | | | | | |
| **F** 11 1/2 (292) | | 13 1/2 (343) | 14 1/2 (368) | 16 1/2 (419) | 18 1/2 (470) | 20 (508) | 22 (559) | 24 (610) | 26 (660) | 28 (711) | 30 1/2 (775) | 33 1/2 (851) | 36 1/2 (927) | 39 1/2 (1003) |
| **G** 1/2 (13) | | 1/2 (13) | 1/2 (13) | 1/2 (13) | 1/2 (13) | 1/2 (13) | 1/2 (13) | 1/2 (13) | 3/4 (19) | 3/4 (19) | 3/4 (19) | 3/4 (19) | 1 (25) | 1 (25) |
| **H** 23 1/2 (597) | | 23 1/2 (597) | 23 1/2 (597) | 27 1/2 (699) | 30 1/2 (775) | 32 1/2 (826) | 35 1/2 (902) | 39 1/2 (1003) | 42 1/4 (1073) | 45 1/4 (1149) | 51 1/4 (1302) | 56 1/4 (1429) | 62 (1575) | 68 (1727) |
| **I** 15 (381) | | 16 (406) | 18 (457) | 20 (508) | 22 (559) | 23 (584) | 25 (635) | 26 (660) | 28 (711) | 30 (762) | 33 (838) | 37 (940) | 40 (1016) | 43 (1092) |
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| **K** 3 1/2 (89) | | 3 1/2 (89) | 3 1/2 (89) | 3 1/2 (89) | 3 1/2 (89) | 3 1/2 (89) | 3 1/2 (89) | 3 1/2 (89) | 3 1/2 (89) | 3 1/2 (89) | 3 1/2 (89) | 3 1/2 (89) | 3 1/2 (89) | 3 1/2 (89) |

# 900 T Series

## Standard Features

FRP Housing Construction: Designed for industrial applications, the housing is solid FRP throughout. All FRP exposed to the corrosive gas stream is constructed with a resin rich corrosion barrier complete with C-veil. The FRP flanges are very rigid with a factory flat finish and are supplied as standard not drilled. Flat FRP supports are fixed into the housing from the bearing/shaft drive tube to the inner wall of the outer tube. The 316 stainless steel shaft, bearings and V-belt drive set are completely protected from the corrosive airstream by the FRP drive tube.

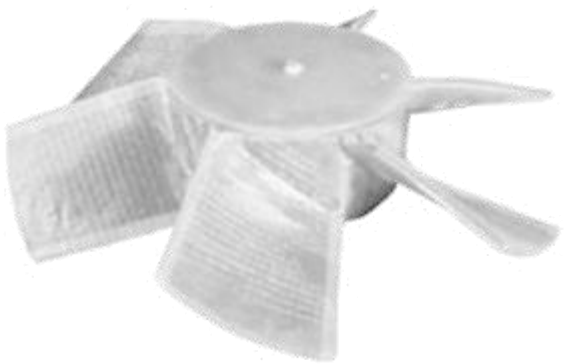
Shaft:
The shaft is constructed of 316 stainless steel.

Bearings:
Sealed for life, heavy duty solid pillow block bearings, rated minimum 50,000 hours L 10.

Fasteners:
All Fasteners are 316 stainless steel.

Motor support:
The adjustable motor support is fastened between the flanges and is epoxy coated.

Extended grease lines:
Grease lines are located in a maintenance friendly location to ensure easy bearing lubrication.



## Standard Features

FRP Wheel Construction: The 900-T Series Propeller is constructed of vinyl ester resins and reinforcing glass by method of hand layup. This heavy duty design uses a solid FRP hub which is fabricated as one piece with the six wheel blades. For maintenance benefits, the wheel is removable from the 316 stainless steel shaft. A sprocket and bushing, which is completely protected by FRP, is used to attach the shaft to the rest of the wheel assembly. The highly efficient design incorporates a full width and full twist blade giving the fan the best possible high end performance at the best possible sound levels. All leading and trailing edges of the propeller incorporate nexus in the corrosion barrier to achieve the best resistance against abrasion.

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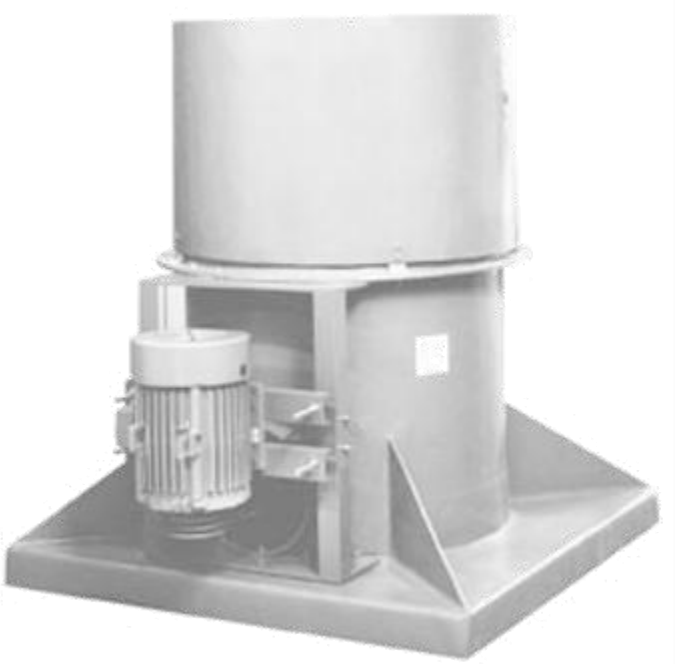


Extended grease lines: Grease lines are located in a maintenance friendly location to ensure easy bearing lubrication.

FRP Roof Curb Cap: This FRP roof curb cap is an integral part of the Fan Housing. It is designed to cover the roof curb. Plasticair is able to supply this item to accommodate customers curb dimensions.

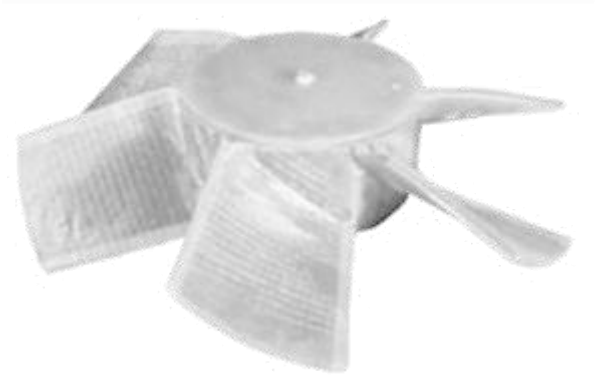
Shaft: The shaft is constructed of 316 stainless steel

Bearings: Sealed for life, heavy duty solid pillow block bearings, rated minimum 50,000 hours L 10

Fasteners: All Fasteners are 316 stainless steel

Motor support: The adjustable motor support is fastened between the flanges and is epoxy coated.

FRP Windband and Backdraft Dampers: The Gravity operated FRP backdraft dampers are protected from outdoor wind by the FRP windband Cowling. The dampers are of butterfly design and are not only effective in stopping backdraft, but are also very effective in stopping rain.



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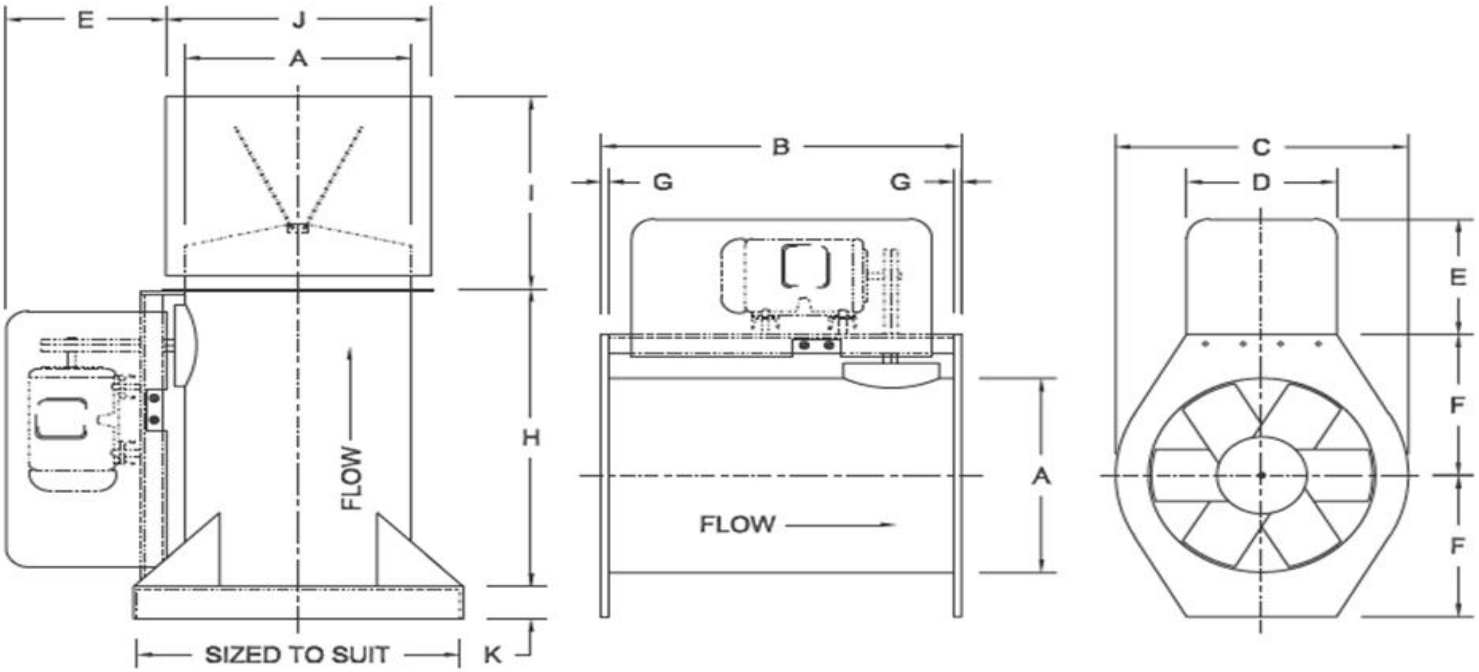
# Dimensions

## 900 T




**900T DIMENSIONS: inches (mm)**

| FAN SIZE | 915 | 918 | 921 | 924 | 927 | 930 | 933 | 936 | 940 | 944 | 949 | 954 | 960 | 966 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A** inside | 15 1/8 (384) | 18 1/8 (460) | 21 1/8 (537) | 24 1/8 (613) | 27 3/16 (691) | 30 3/16 (767) | 33 3/16 (843) | 36 1/4 (921) | 40 1/4 (1022) | 44 1/4 (1124) | 49 1/4 (1251) | 54 1/4 (1378) | 60 1/2 (1537) | 66 1/2 (1689) |
| **B** 20 1/2 (521) | 20 1/2 (521) | 20 1/2 (521) | 24 1/2 (622) | 24 1/2 (622) | 24 1/2 (622) | 27 1/2 (699) | 30 1/2 (775) | 34 (864) | 37 (940) | 41 (1041) | 45 (1143) | 49 1/2 (1257) | 54 (1372) | |
| **C** 19 1/2 (495) | 22 1/2 (572) | 25 1/2 (648) | 28 1/2 (724) | 31 1/2 (800) | 34 1/2 (876) | 37 1/2 (953) | 40 1/2 (1029) | 44 1/2 (1130) | 48 1/2 (1232) | 55 1/2 (1410) | 60 1/2 (1537) | 66 1/2 (1689) | 72 1/2 (1842) | |
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| **H** 19 7/8 (505) | 19 7/8 (505) | 19 7/8 (505) | 23 7/8 (606) | 23 7/8 (606) | 24 (610) | 27 (686) | 30 (762) | 33 (838) | 36 (914) | 40 (1016) | 44 1/4 (1124) | 48 1/4 (1226) | 53 (1346) | |
| **I** 15 (381) | 16 (406) | 18 (457) | 20 (508) | 22 (559) | 23 (584) | 25 (635) | 26 (660) | 28 (711) | 30 (762) | 33 (838) | 37 (940) | 40 (1016) | 43 (1092) | |
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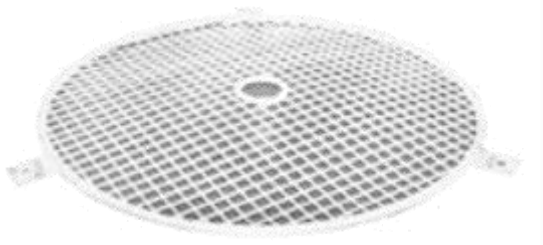
# Accessories

Access Door: The bolt-on access door is designed to be flush with the inner surface of the fan housing, therefore smooth flowing gas stream encounters mini- mal turbulence when passing the access door. The door is fastened to the fan housing with 316/304 stainless steel hardware and is sealed air tight with neoprene gasket (exotic gasket is available upon request). The fastening bolts are encapsulated with full thickness FRP to give maximum corrosion resistance protection. The 900 Series Access doors can be sized for full motor access, or sized suitably for propeller cleaning.

- Inlet and Outlet Transitions. Fabricated of solid FRP, made to order as per clients request
- Roof Curb is dimensionally fabricated as per client's request
- Flame Spread: Fans can be fabricated to meet a flame spread of 0 - 25
- Option for Polyester resin
- 304 or 316 stainless steel motor and bearing pedestals
- Split pillow block bearings
- Graphite lining for spark resistant construction
- Nexus lining
- Paint thickness to customer specification

Extra steel support to handle heavy loading

Motor and V-belt Drive Guard: Fabricated of solid FRP and conforming to the OSHA standard.



Mesh propeller guards: Inlet or outlet mesh guards can be provided. Choice of materials are 304 stainless steel or mild steel epoxy coated.

The shafts, bearings and V-belt drive sets are mounted in FRP drive tubes affording complete protection from the corrosive gas stream.

The impeller assemblies are mounted on heavy-duty solid pillow block bearings rated for a minimum L-10 life of 50,000 hours. Grease lines are fitted in a maintenance-friendly location to ensure easy bearing lubrication.

Impeller assemblies are statically and dynamically balanced for smooth operation.

The motors are mounted on epoxy-coated steel frames fastened between the flanges. The motor mounts are adjustable to permit the V-belt drives to be correctly set.

All fasteners are 316 stainless steel.

All fans are test run and vibration tested at operating speed before leaving the factory.

## Optional Features

- Split pillow block bearings
- Bolt-on access doors
- Stainless steel motor supports
- FRP inlet or outlet transitions
- Vibration isolators
- Nexus lining
- Stainless steel or epoxy coated mild steel mesh inlet or outlet screens
- Flame-resistant construction.(flame spread rating of 0-25)
- Graphite lining for spark-resistant construction.
- Polyester resin construction

# 900T and 900V series

## Roof Top Ventilators

The 900 series Axial fans can be fitted with optional backdraft dampers and curb cap making them ideal for roof top applications.

The gravity operated FRP backdraft dampers are protected from the outdoor wind by FRP windband cowlings. The dampers are of butterfly design and are not only effective in stopping backdraft, but are also effective in stopping rain.

The FRP curb caps are an integral part of the fan housing and are designed to cover the roof curb. The curb caps can be custom sized to suit the customer's curb dimensions.

Plasticair Inc.
1275 CRESTLAWN DRIVE
MISSISSAUGA, ONTARIO, CANADA L4W 1A9
TEL: (905) 625-9164 FAX: (905) 625-0147
Email: sales@plasticair.com - Web page: www.plasticair.com

# Plasticair Inc.

## 900T and 900V series Axial Fans

### Introduction

Plasticair has a complete line of axial flow FRP fans. The two main types covered in this bulletin are Vane Axial fans (recommended for duct installation) and Tube Axial fans (recommended for end of line or roof top applications). Both types are versatile as they can be mounted either vertically or horizontally.

Plasticair 900 Series Axial flow fans are available in 14 sizes and cover volume ranges from 1000 CFM up to 100,000 CFM.

They are of high industrial quality and can be utilized in environments from mildly corrosive to extremely corrosive. They provide an economical solution to moving corrosive air.


Plasticair Inc. certifies that the 900V series and 900T series Axial Fans shown herein are 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.

### Standard Features

900T and 900V series fans use highly efficient axial flow impellers each incorporating 6 full-width, full-twist blades to give good high-end performance at the best possible sound levels. They are fabricated as one piece with a heavy-duty solid FRP hub by method of hand lay-up using premium quality vinyl ester resins and reinforcing glass.

The leading and trailing edges of the blades incorporate Nexus in the corrosion barrier for the best resistance to abrasion.

A sprocket and bushing, which is completely protected by FRP, is used to attach the impeller to the 316 stainless steel shaft allowing easy removal.

Designed for industrial applications, the housings are constructed of solid FRP using premium quality vinyl ester resins and reinforcing glass throughout with rigid FRP flanges. Flanges have a factory flat finish and are supplied standard not drilled.

All FRP exposed to the corrosive gas stream has a resin-rich corrosion barrier complete with C-veil. All external FRP surfaces are finished with a UV-stabilized heavy gel coat.

The 900T series Tube axial fans have flat FRP supports fixed into the housing from the bearing/shaft drive tube to the inner wall of the outer tube.

The 900V series Vane axial fans have FRP gas stream straightening vanes fixed into the housing from the bearing/shaft drive tube to the inner wall of the outer tube.

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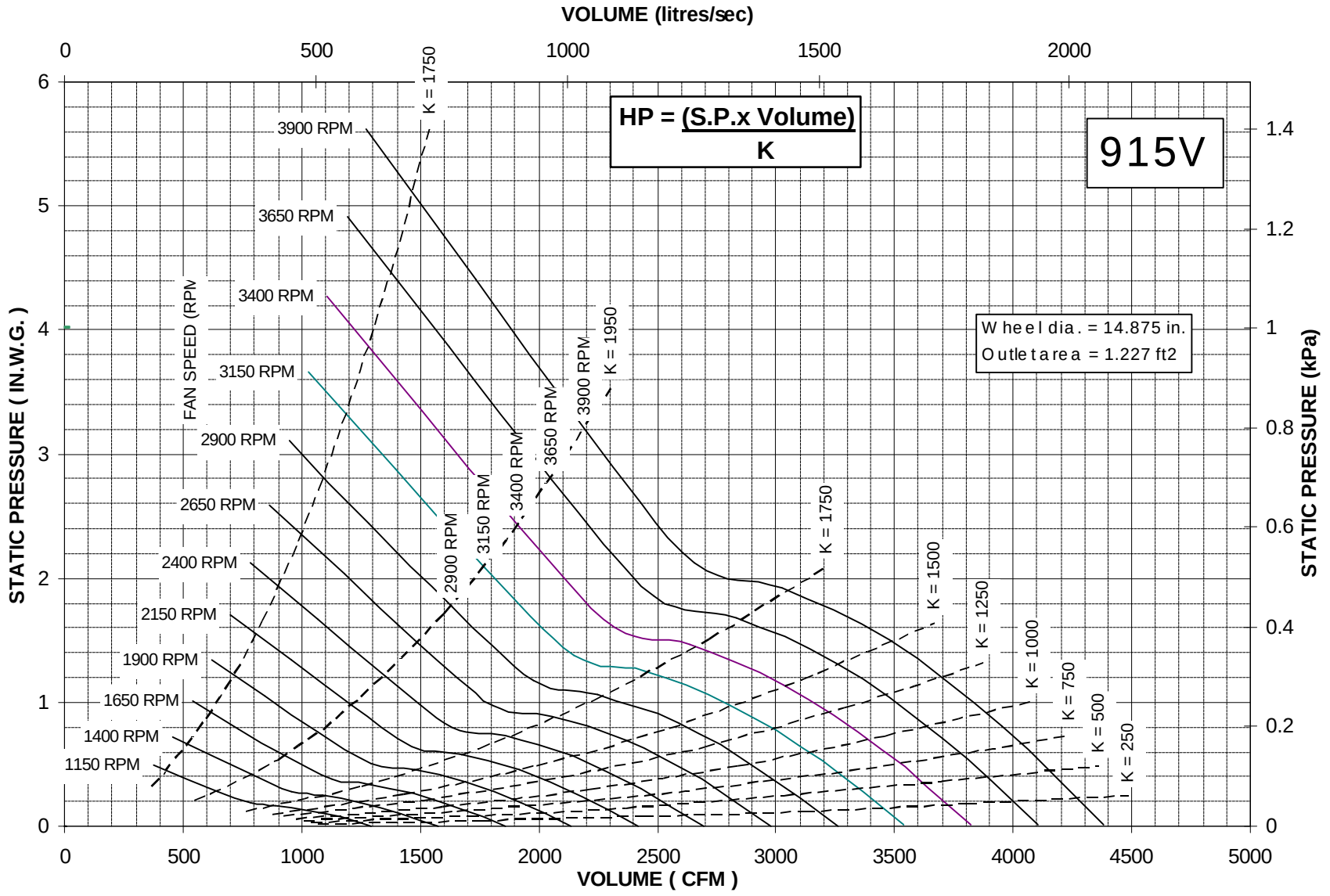
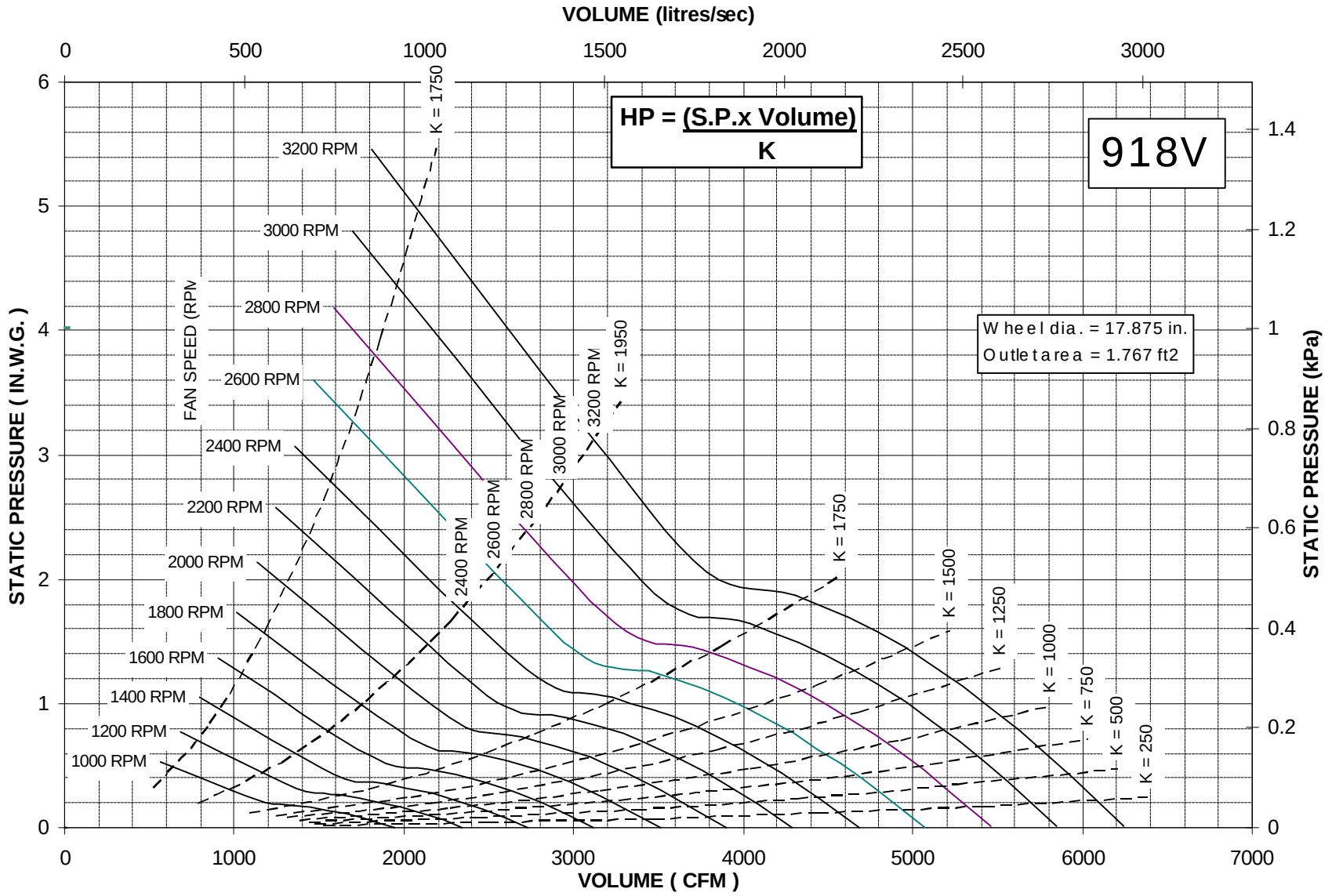



**Plasticair Inc.**
1275 Crestlawn Drive
Mississauga, Ontario Canada L4W

PERFORMANCE SHOWN IS FOR INSTALLATION TYPE A - FREE INLET, FREE OUTLET.
PERFORMANCE RATINGS DO NOT INCLUDE THE EFFECTS OF APPURTENANCES IN THE AIRSTREAM.
POWER RATINGS (HP) DO NOT INCLUDE DRIVE LOSSES.

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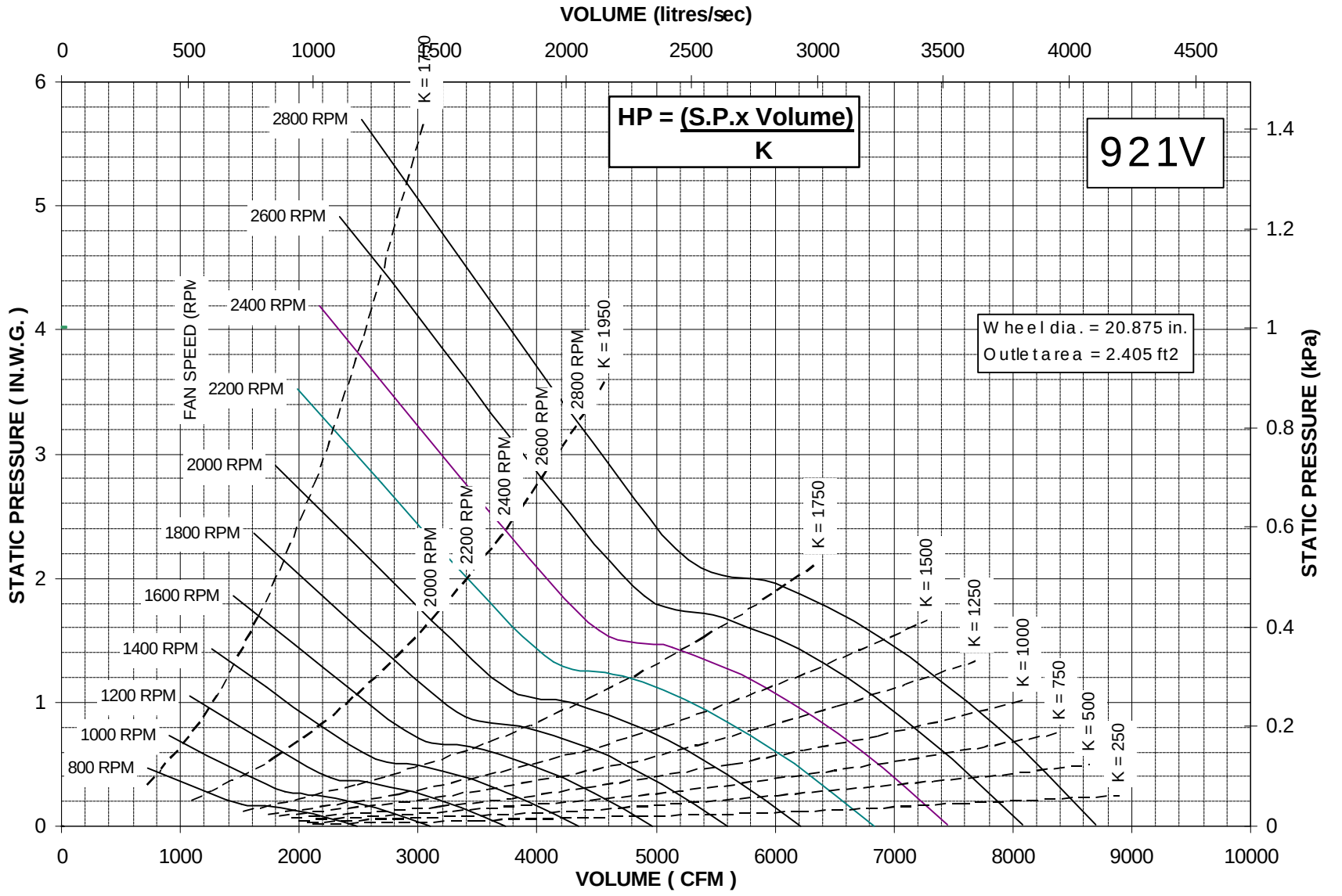


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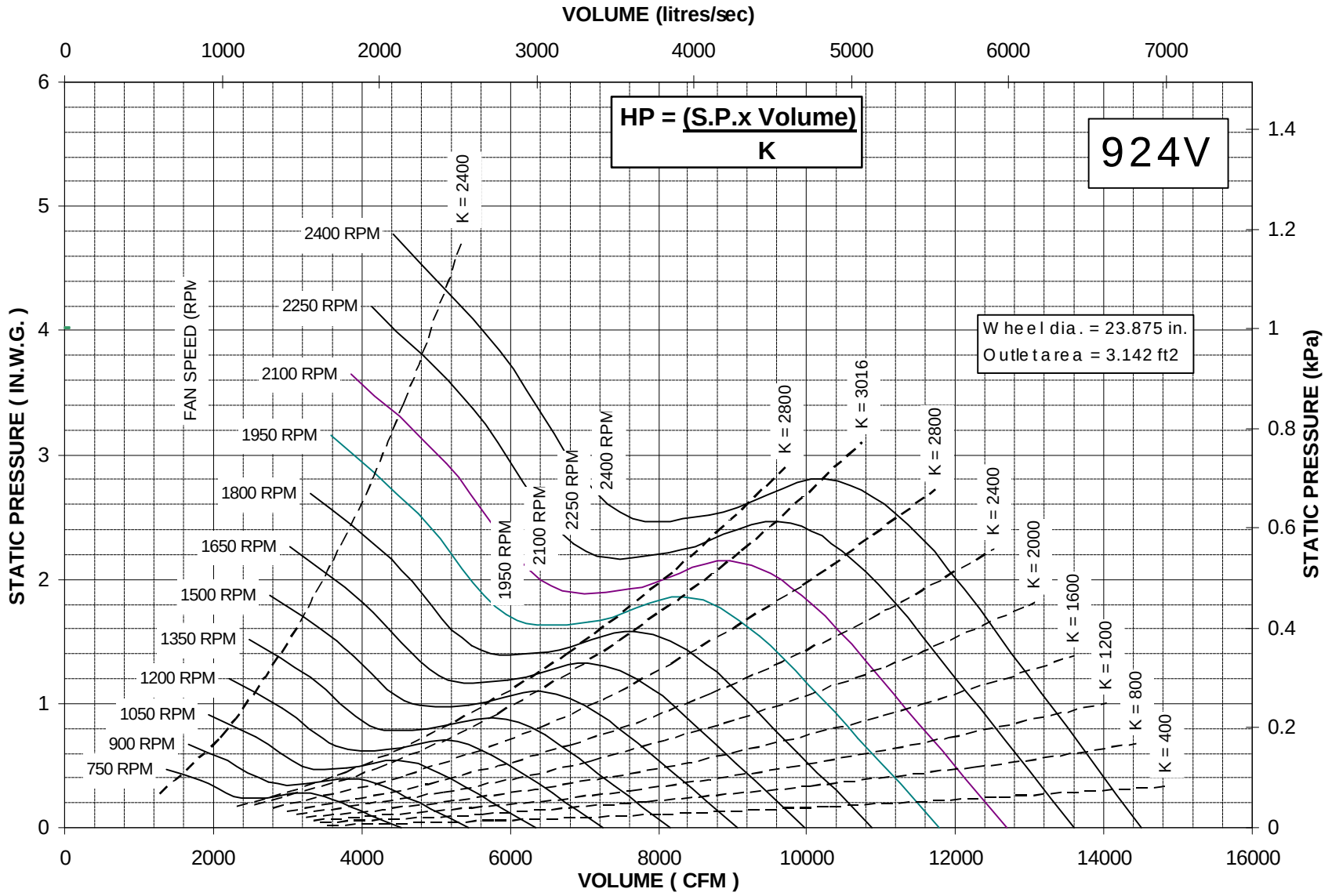


**Plasticair Inc.**
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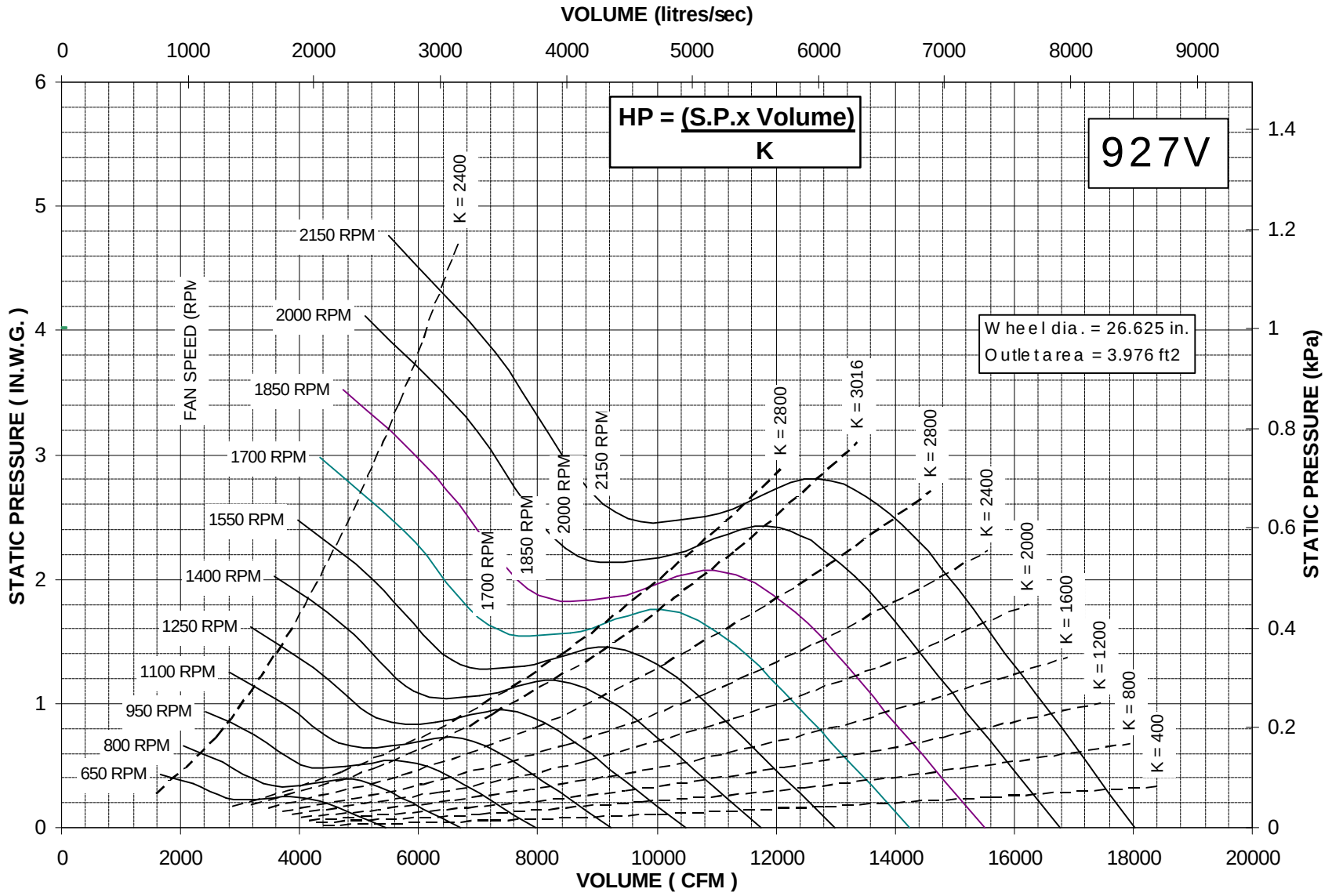
Mississauga, Ontario Canada L4W

PERFORMANCE SHOWN IS FOR INSTALLATION TYPE C - DUCTED INLET, FREE OUTLET.
PERFORMANCE RATINGS DO NOT INCLUDE THE EFFECTS OF APPURTENANCES IN THE AIRSTREAM.

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Mississauga, Ontario Canada L4W

PERFORMANCE SHOWN IS FOR INSTALLATION TYPE C - DUCTED INLET, FREE OUTLET.
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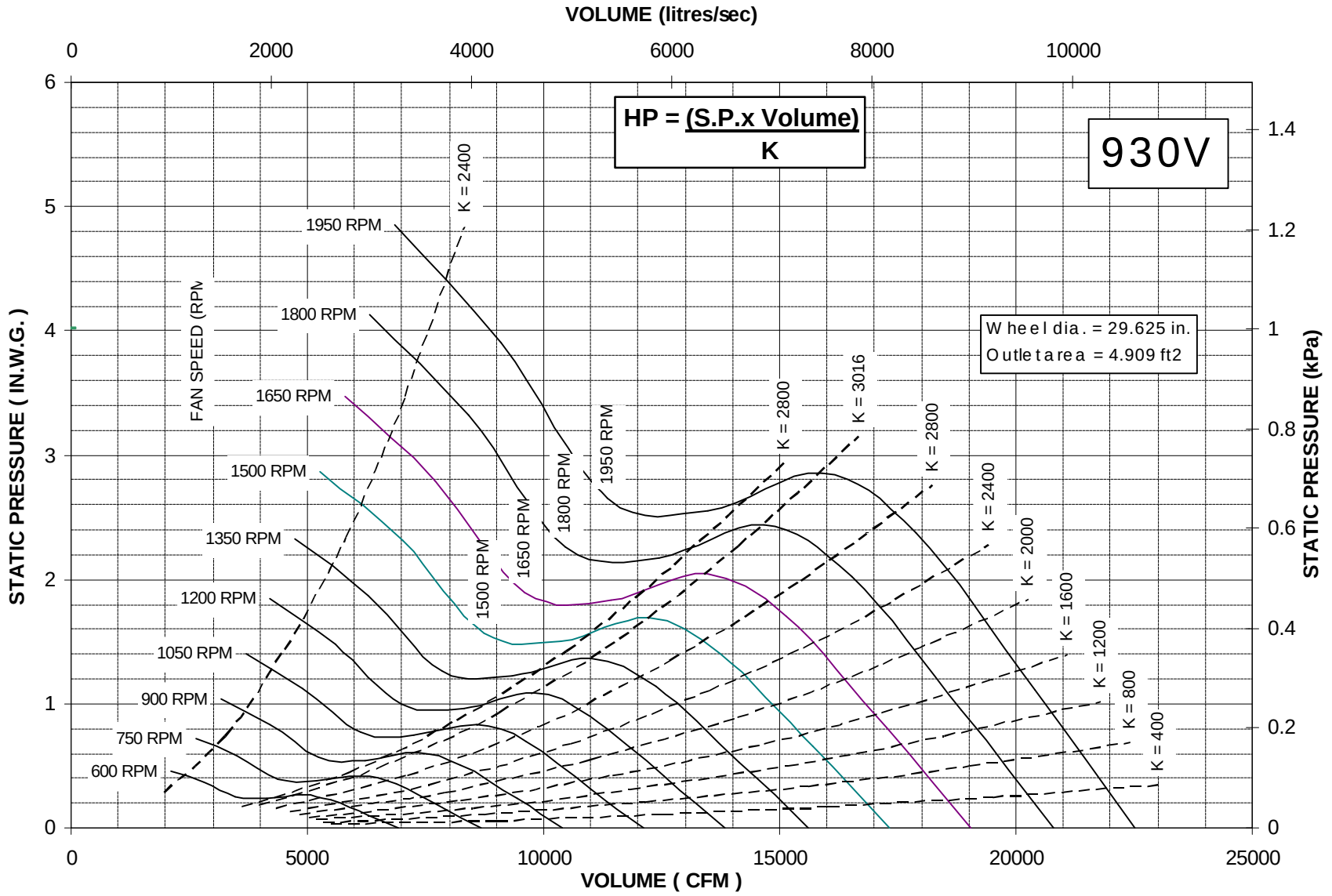


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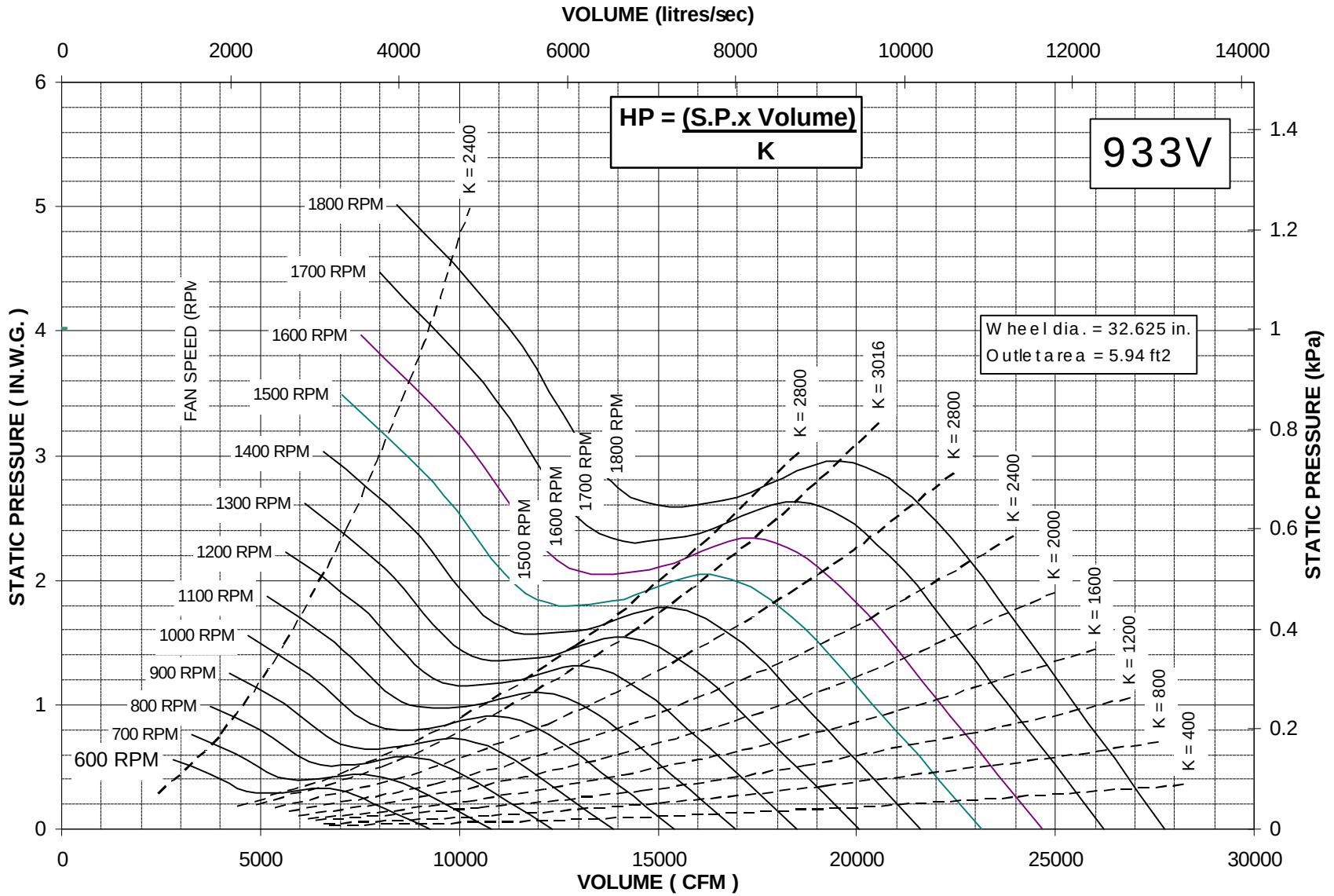
1275 Crestlawn Drive
Mississauga, Ontario Canada L4W

PERFORMANCE SHOWN IS FOR INSTALLATION TYPE C - DUCTED INLET, FREE OUTLET.
PERFORMANCE RATINGS DO NOT INCLUDE THE EFFECTS OF APPURTENANCES IN THE AIRSTREAM.




**Plasticair Inc.**
1275 Crestlawn Drive
Mississauga, Ontario Canada L4W

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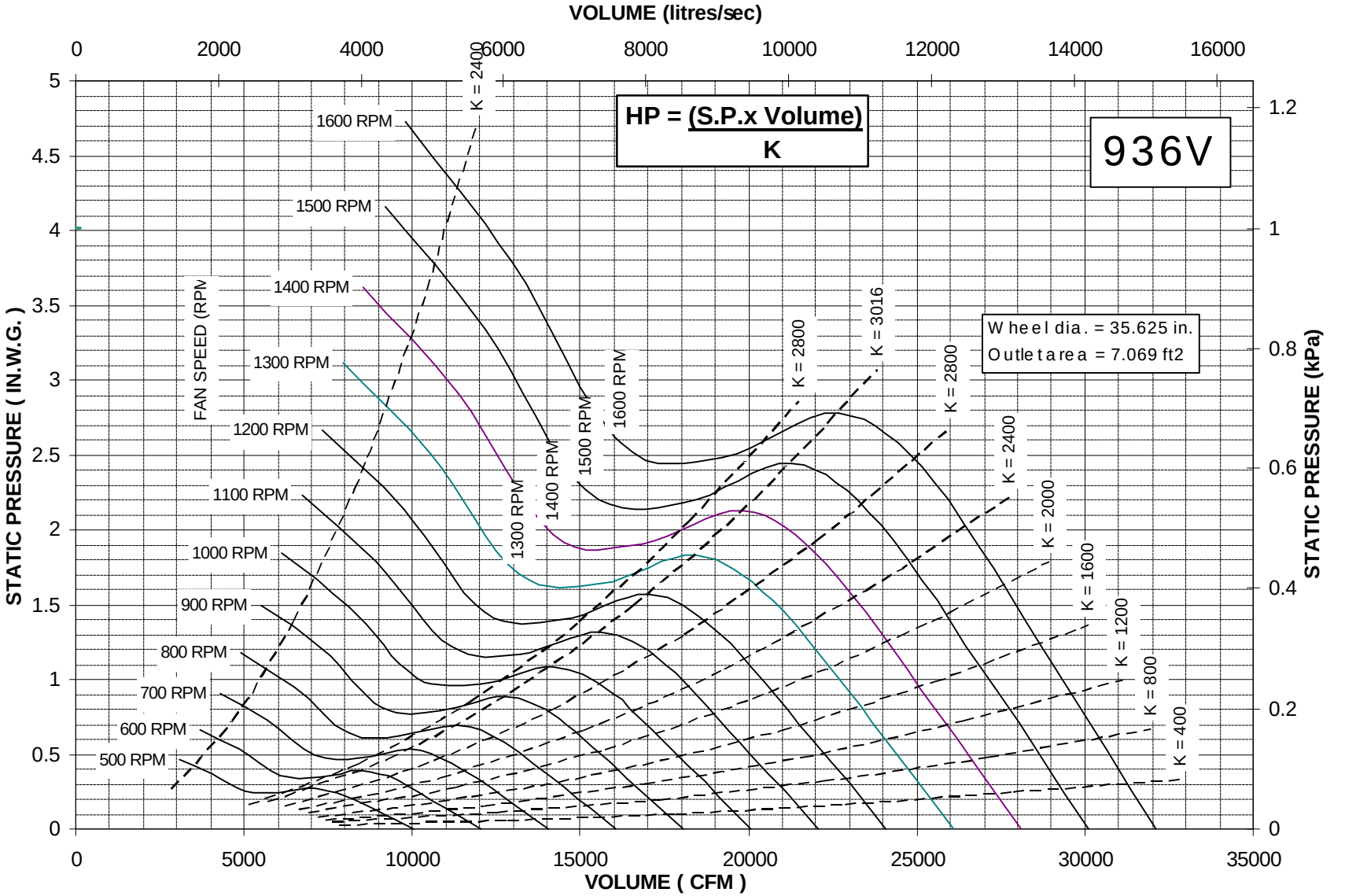


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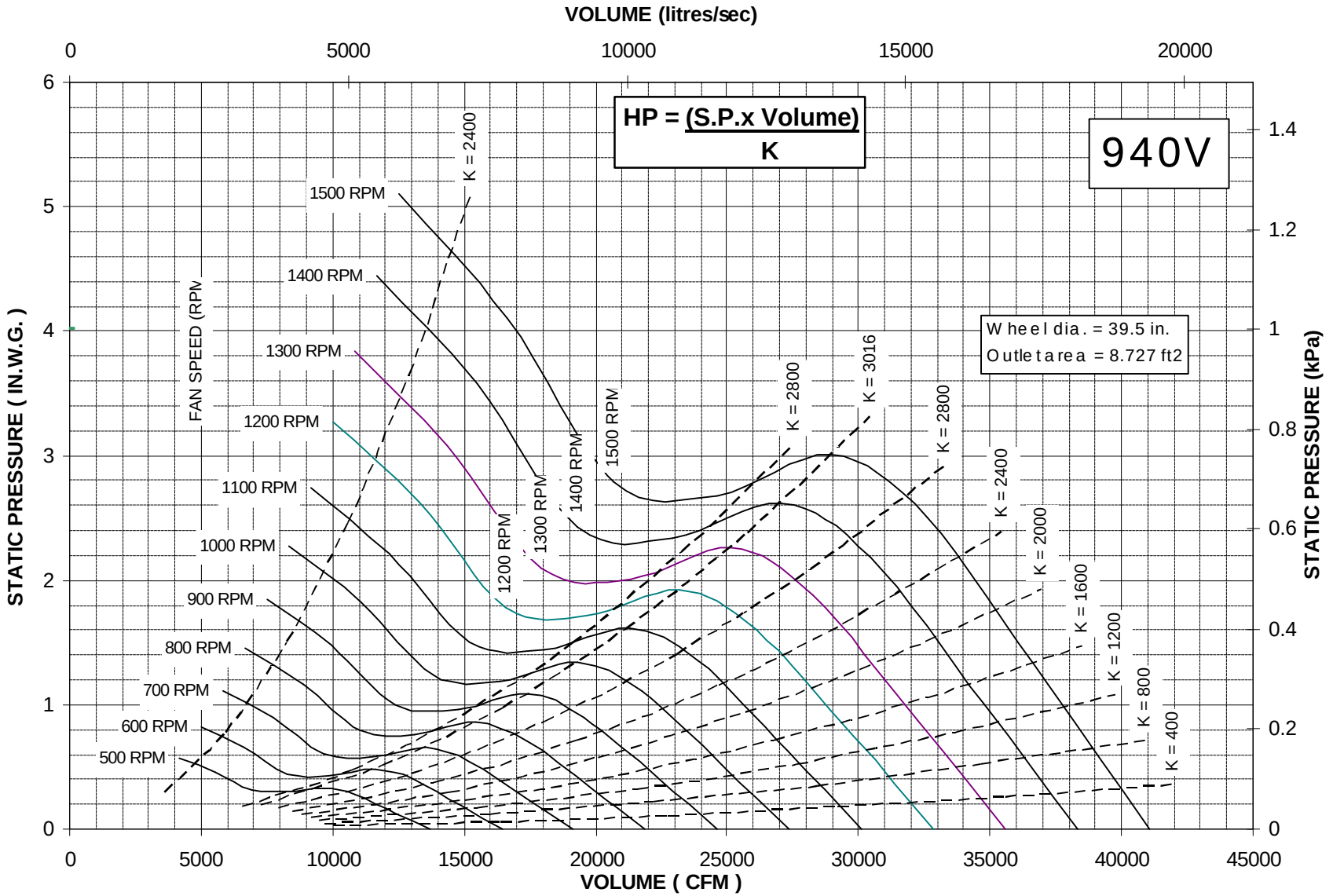
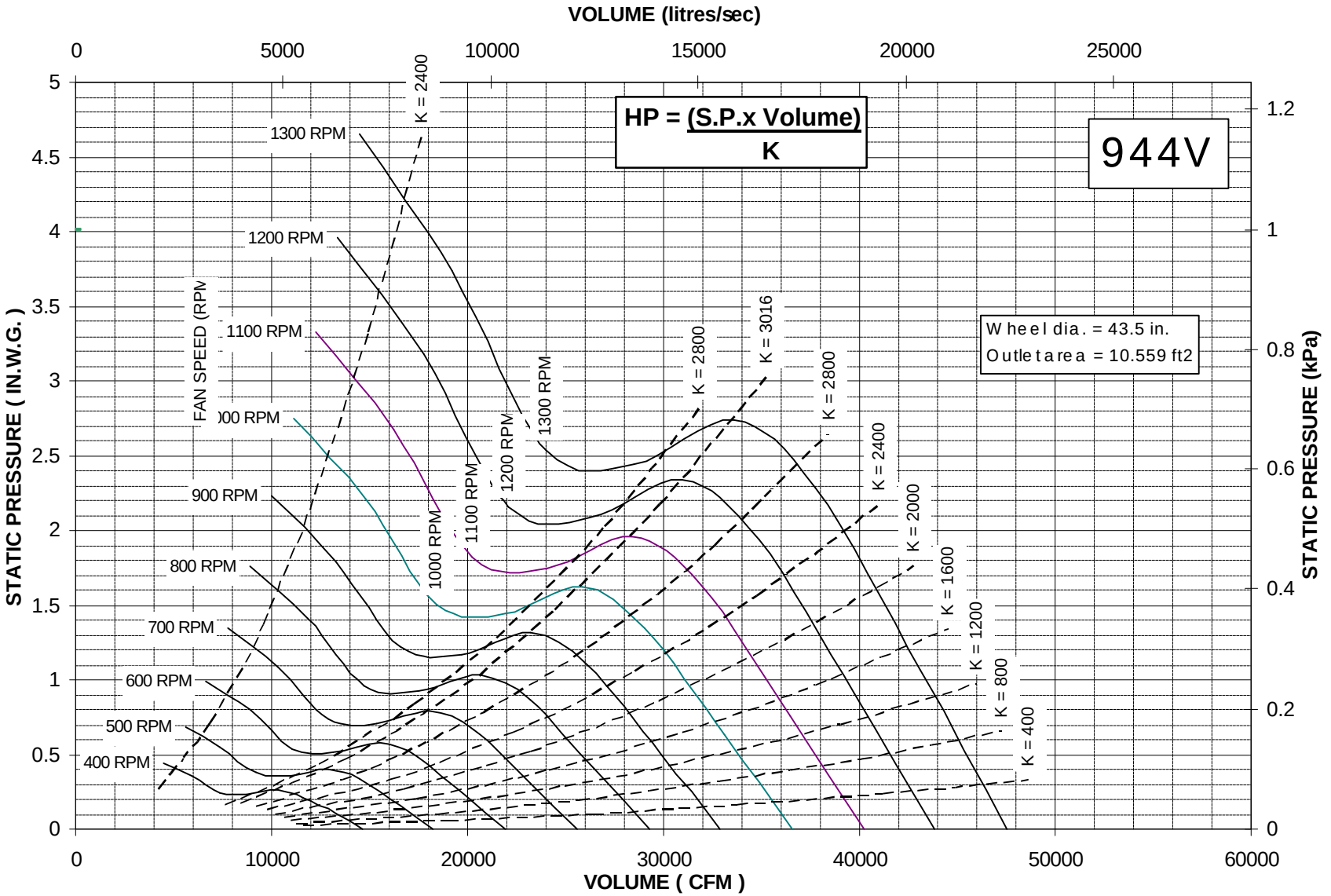
1275 Crestlawn Drive
Mississauga, Ontario Canada L4W

PERFORMANCE SHOWN IS FOR INSTALLATION TYPE C - DUCTED INLET, FREE OUTLET.
PERFORMANCE RATINGS DO NOT INCLUDE THE EFFECTS OF APPURTENANCES IN THE AIRSTREAM.



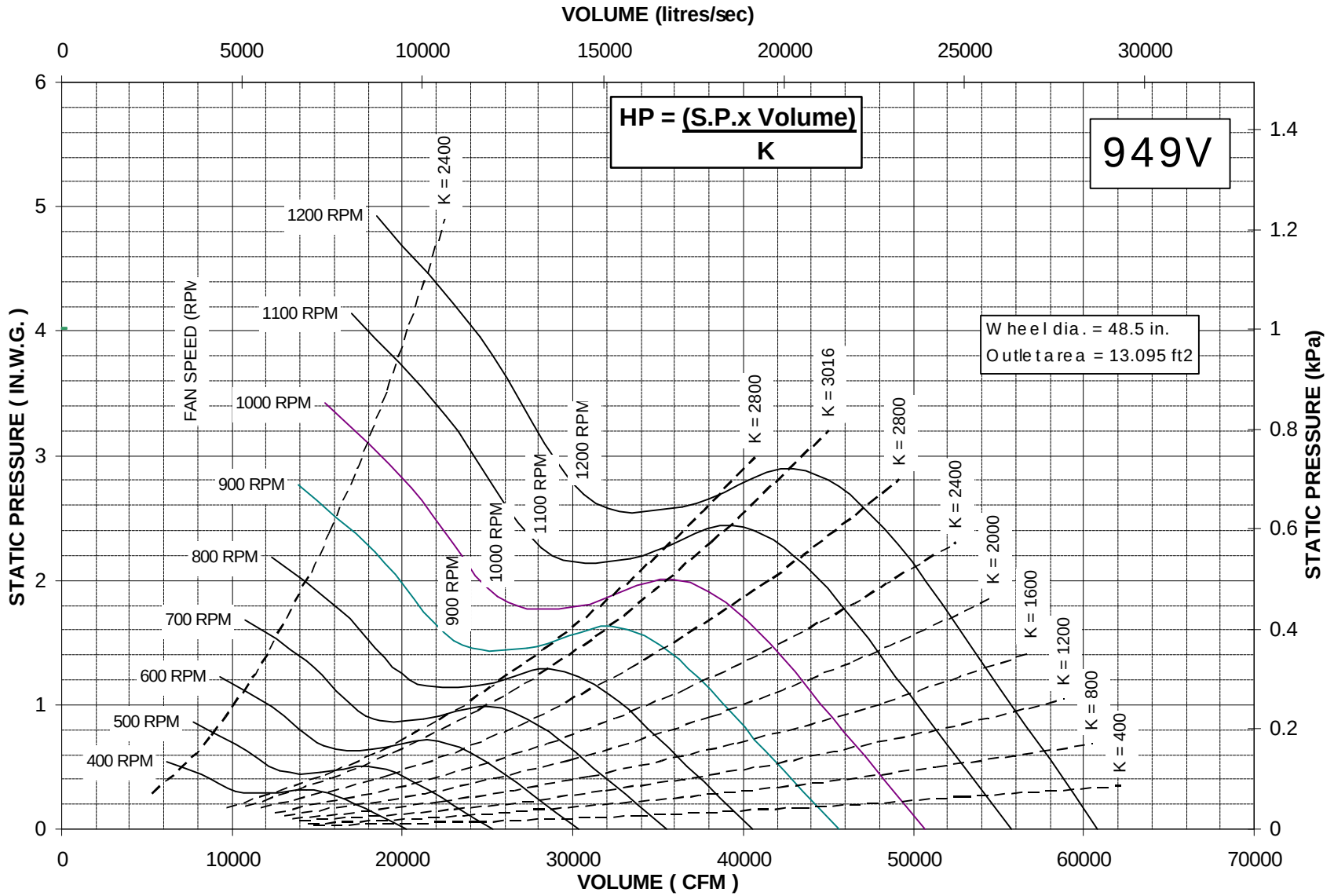

**Plasticair Inc.**
1275 Crestlawn Drive
Mississauga, Ontario Canada L4W

PERFORMANCE SHOWN IS FOR INSTALLATION TYPE C - DUCTED INLET, FREE OUTLET.
PERFORMANCE RATINGS DO NOT INCLUDE THE EFFECTS OF APPURTENANCES IN THE AIRSTREAM.



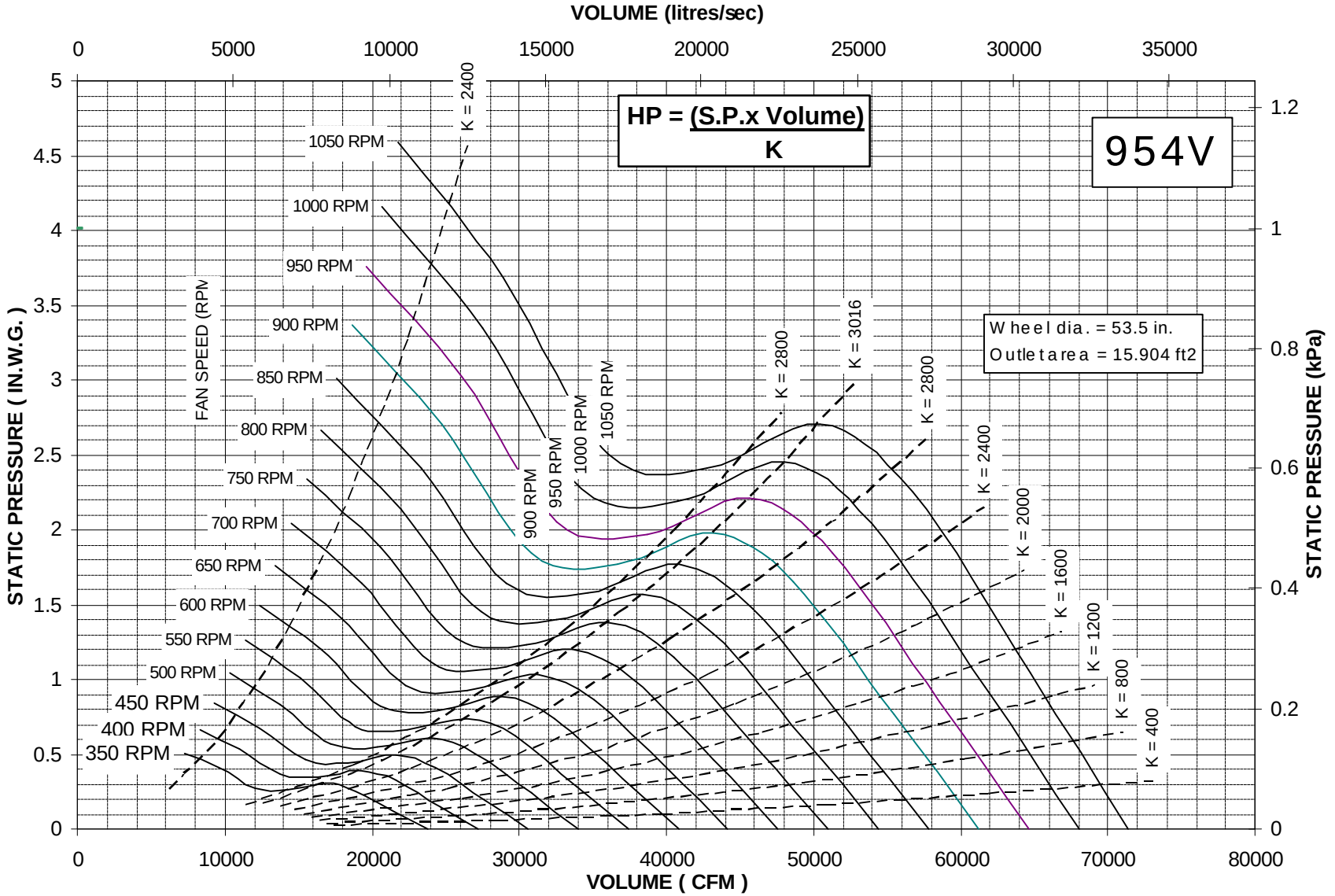

**Plasticair Inc.**
1275 Crestlawn Drive
Mississauga, Ontario Canada L4W

PERFORMANCE SHOWN IS FOR INSTALLATION TYPE C - DUCTED INLET, FREE OUTLET.
PERFORMANCE RATINGS DO NOT INCLUDE THE EFFECTS OF APPURTENANCES IN THE AIRSTREAM.



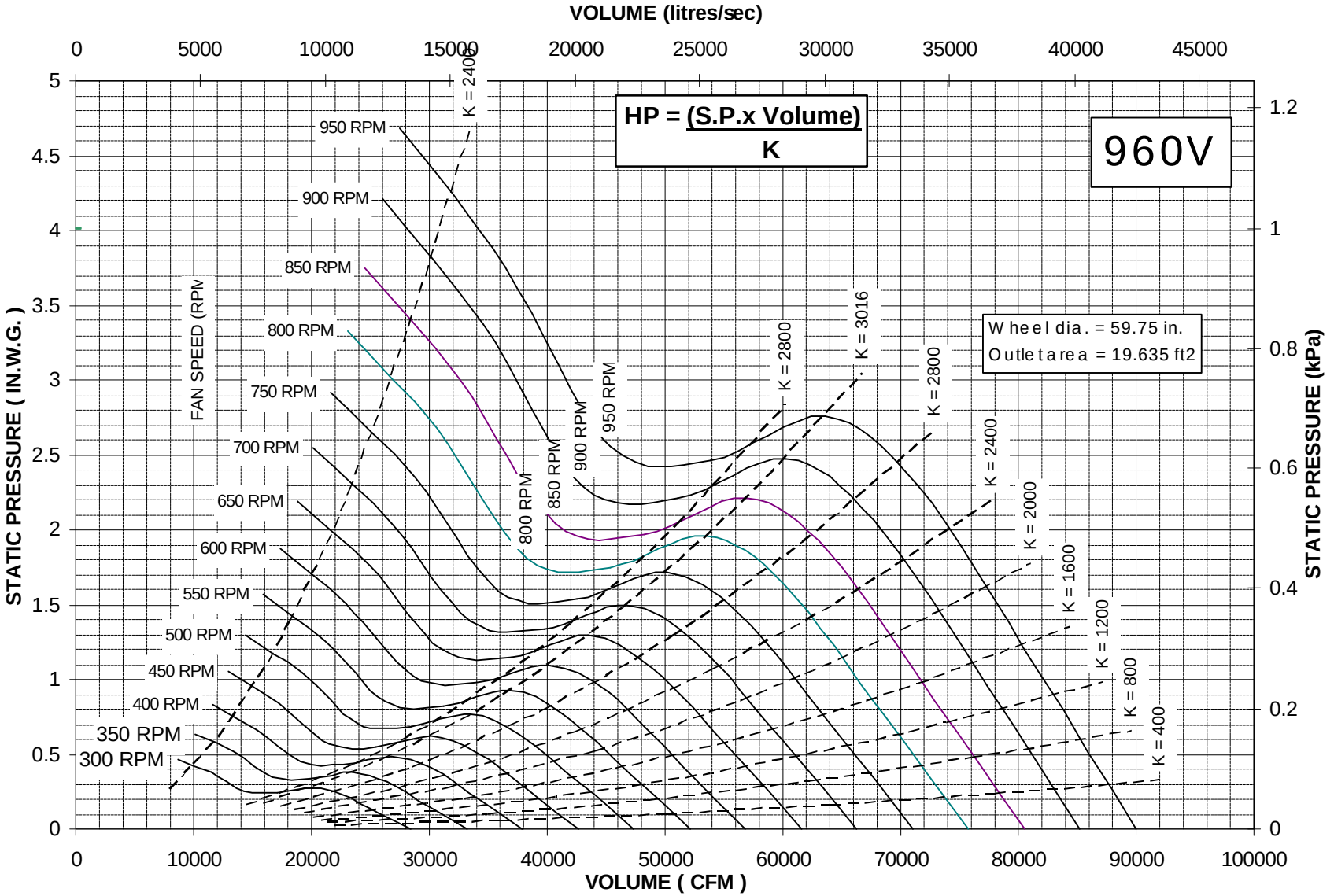

**Plasticair Inc.**
1275 Crestlawn Drive
Mississauga, Ontario Canada L4W

PERFORMANCE SHOWN IS FOR INSTALLATION TYPE C - DUCTED INLET, FREE OUTLET.
PERFORMANCE RATINGS DO NOT INCLUDE THE EFFECTS OF APPURTENANCES IN THE AIRSTREAM.



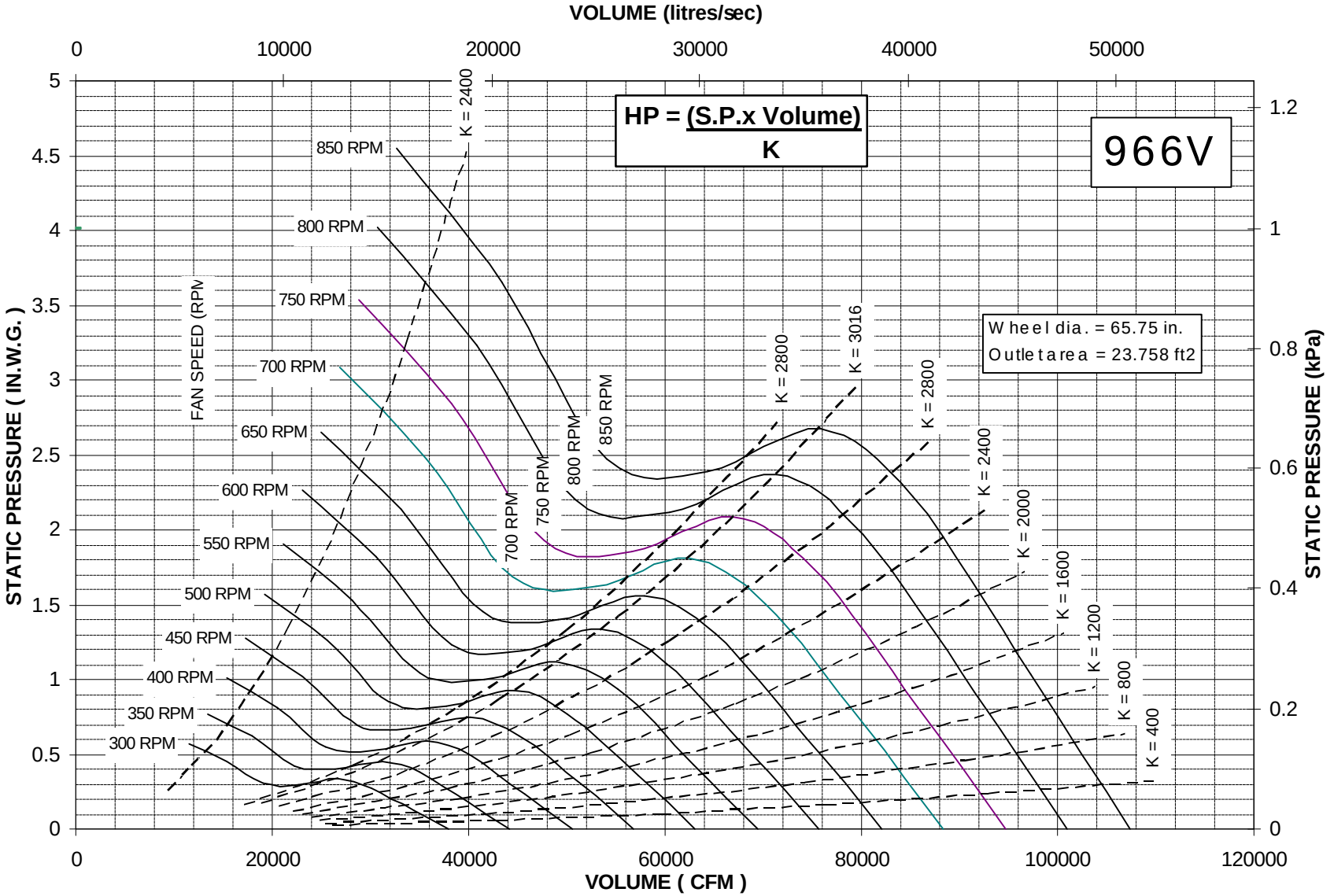

**Plasticair Inc.**
1275 Crestlawn Drive
Mississauga, Ontario Canada L4W

PERFORMANCE SHOWN IS FOR INSTALLATION TYPE C - DUCTED INLET, FREE OUTLET.
PERFORMANCE RATINGS DO NOT INCLUDE THE EFFECTS OF APPURTENANCES IN THE AIRSTREAM.




**Plasticair Inc.**
1275 Crestlawn Drive
Mississauga, Ontario Canada L4W

PERFORMANCE SHOWN IS FOR INSTALLATION TYPE C - DUCTED INLET, FREE OUTLET.
PERFORMANCE RATINGS DO NOT INCLUDE THE EFFECTS OF APPURTENANCES IN THE AIRSTREAM.




**Plasticair Inc.**
1275 Crestlawn Drive
Mississauga, Ontario Canada L4W

PERFORMANCE SHOWN IS FOR INSTALLATION TYPE C - DUCTED INLET, FREE OUTLET.
PERFORMANCE RATINGS DO NOT INCLUDE THE EFFECTS OF APPURTENANCES IN THE AIRSTREAM.

# Plasticair Inc. 900V series Axial Fans

## Inlet Sound Power Ratings

| 915V | | Inlet Sound Power, Lwi (dB re $10^{-12}$ watts | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwiA |
| 1100 | 100 | 60 | 68 | 69 | 68 | 61 | 53 | 46 | 39 | 68 |
| | 80 | 66 | 72 | 69 | 66 | 59 | 51 | 45 | 39 | 67 |
| | 60 | 67 | 73 | 69 | 65 | 58 | 51 | 45 | 40 | 66 |
| | 45 | 70 | 74 | 67 | 63 | 57 | 50 | 46 | 42 | 65 |
| 1800 | 100 | 74 | 77 | 82 | 81 | 77 | 70 | 62 | 55 | 82 |
| | 80 | 77 | 82 | 84 | 81 | 75 | 67 | 60 | 54 | 82 |
| | 60 | 78 | 84 | 85 | 80 | 74 | 67 | 60 | 55 | 81 |
| | 45 | 79 | 86 | 85 | 78 | 73 | 66 | 60 | 56 | 80 |
| 2500 | 100 | 84 | 82 | 90 | 89 | 88 | 81 | 72 | 65 | 91 |
| | 80 | 85 | 87 | 95 | 90 | 86 | 78 | 70 | 64 | 92 |
| | 60 | 85 | 89 | 96 | 89 | 85 | 77 | 70 | 64 | 91 |
| | 45 | 86 | 92 | 97 | 88 | 83 | 76 | 69 | 65 | 91 |
| 3200 | 100 | 88 | 90 | 94 | 95 | 94 | 89 | 81 | 73 | 98 |
| | 80 | 89 | 94 | 99 | 98 | 93 | 87 | 78 | 72 | 98 |
| | 60 | 90 | 95 | 100 | 98 | 92 | 86 | 78 | 72 | 98 |
| | 45 | 90 | 97 | 102 | 97 | 90 | 84 | 77 | 72 | 98 |
| 3900 | 100 | 92 | 96 | 97 | 100 | 99 | 95 | 87 | 79 | 103 |
| | 80 | 93 | 99 | 102 | 104 | 99 | 93 | 85 | 78 | 104 |
| | 60 | 93 | 99 | 103 | 104 | 98 | 92 | 84 | 77 | 104 |
| | 45 | 94 | 101 | 105 | 105 | 96 | 90 | 83 | 77 | 104 |

| 918V | | Inlet Sound Power, Lwi (dB re $10^{-12}$ watts | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwiA |
| 1000 | 100 | 66 | 72 | 73 | 71 | 64 | 55 | 48 | 41 | 71 |
| | 80 | 71 | 76 | 73 | 69 | 61 | 54 | 48 | 42 | 70 |
| | 60 | 73 | 76 | 72 | 68 | 60 | 54 | 48 | 43 | 69 |
| | 45 | 75 | 77 | 71 | 66 | 59 | 53 | 49 | 45 | 68 |
| 1550 | 100 | 76 | 81 | 84 | 83 | 78 | 70 | 62 | 55 | 84 |
| | 80 | 80 | 86 | 86 | 82 | 76 | 68 | 61 | 55 | 83 |
| | 60 | 81 | 88 | 86 | 81 | 75 | 67 | 61 | 56 | 83 |
| | 45 | 83 | 89 | 85 | 80 | 73 | 66 | 61 | 57 | 82 |
| 2100 | 100 | 85 | 86 | 92 | 91 | 88 | 81 | 72 | 65 | 92 |
| | 80 | 87 | 91 | 95 | 91 | 86 | 78 | 70 | 64 | 92 |
| | 60 | 88 | 93 | 96 | 90 | 85 | 77 | 70 | 65 | 92 |
| | 45 | 89 | 95 | 97 | 89 | 83 | 76 | 70 | 66 | 91 |
| 2650 | 100 | 92 | 91 | 97 | 96 | 95 | 88 | 80 | 72 | 99 |
| | 80 | 93 | 96 | 102 | 98 | 93 | 86 | 78 | 71 | 99 |
| | 60 | 93 | 97 | 103 | 97 | 92 | 85 | 77 | 72 | 99 |
| | 45 | 94 | 100 | 104 | 96 | 90 | 84 | 76 | 72 | 99 |
| 3200 | 100 | 95 | 96 | 100 | 101 | 100 | 95 | 86 | 78 | 103 |
| | 80 | 96 | 100 | 105 | 103 | 99 | 92 | 84 | 77 | 104 |
| | 60 | 97 | 102 | 106 | 103 | 98 | 91 | 83 | 77 | 104 |
| | 45 | 97 | 103 | 108 | 103 | 96 | 90 | 83 | 77 | 104 |

| 921V | | Inlet Sound Power, Lwi (dB re $10^{-12}$ watts | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwiA |
| 800 | 100 | 68 | 72 | 73 | 69 | 61 | 53 | 46 | 39 | 69 |
| | 80 | 73 | 74 | 72 | 66 | 58 | 52 | 46 | 40 | 68 |
| | 60 | 74 | 75 | 71 | 65 | 58 | 52 | 46 | 41 | 67 |
| | 45 | 76 | 74 | 69 | 64 | 57 | 52 | 48 | 44 | 66 |
| 1300 | 100 | 76 | 84 | 84 | 84 | 77 | 69 | 61 | 54 | 84 |
| | 80 | 81 | 89 | 86 | 82 | 75 | 67 | 61 | 54 | 83 |
| | 60 | 83 | 90 | 85 | 81 | 74 | 66 | 61 | 55 | 82 |
| | 45 | 86 | 91 | 84 | 79 | 72 | 66 | 61 | 57 | 82 |
| 1800 | 100 | 86 | 89 | 93 | 92 | 88 | 80 | 72 | 65 | 93 |
| | 80 | 89 | 94 | 96 | 91 | 86 | 78 | 70 | 64 | 92 |
| | 60 | 91 | 96 | 96 | 91 | 85 | 77 | 70 | 65 | 92 |
| | 45 | 92 | 98 | 96 | 89 | 83 | 76 | 70 | 66 | 91 |
| 2300 | 100 | 94 | 93 | 99 | 98 | 96 | 88 | 80 | 73 | 100 |
| | 80 | 96 | 98 | 103 | 98 | 94 | 86 | 78 | 72 | 100 |
| | 60 | 96 | 100 | 104 | 98 | 93 | 85 | 78 | 72 | 100 |
| | 45 | 97 | 102 | 105 | 96 | 91 | 84 | 77 | 73 | 99 |
| 2800 | 100 | 99 | 98 | 103 | 103 | 101 | 95 | 86 | 79 | 105 |
| | 80 | 100 | 102 | 108 | 104 | 100 | 92 | 84 | 78 | 105 |
| | 60 | 100 | 104 | 109 | 104 | 99 | 91 | 84 | 78 | 105 |
| | 45 | 101 | 106 | 110 | 103 | 97 | 90 | 83 | 78 | 105 |

The sound power level ratings shown are in decibels, referred to $10^{-12}$ watts calculated per AMCA Standard 301.
Values shown are for inlet Lwi and LwiA sound power levels for Installation Type A: Free inlet, free outlet.
Ratings do not include the effects of duct end correction.

# Plasticair Inc. 900V series Axial Fans

## Outlet Sound Power Ratings

| 924V | | Outlet Sound Power, Lwo (dB re 10-12 watts) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwoA |
| 800 | 100 | 66 | 72 | 70 | 68 | 63 | 56 | 51 | 46 | 69 |
| | 80 | 46 | 54 | 46 | 48 | 50 | 54 | 53 | 52 | 59 |
| | 60 | 36 | 46 | 37 | 41 | 45 | 52 | 54 | 55 | 59 |
| | 40 | 26 | 38 | 26 | 32 | 39 | 51 | 54 | 58 | 60 |
| 1200 | 100 | 73 | 82 | 81 | 79 | 75 | 69 | 63 | 58 | 80 |
| | 80 | 75 | 80 | 79 | 76 | 72 | 68 | 63 | 58 | 78 |
| | 60 | 71 | 77 | 75 | 73 | 69 | 67 | 63 | 59 | 75 |
| | 40 | 66 | 74 | 71 | 68 | 65 | 65 | 63 | 59 | 72 |
| 1600 | 100 | 81 | 85 | 90 | 86 | 83 | 78 | 72 | 67 | 88 |
| | 80 | 87 | 93 | 94 | 92 | 86 | 80 | 73 | 66 | 92 |
| | 60 | 86 | 91 | 92 | 89 | 84 | 78 | 72 | 66 | 90 |
| | 40 | 84 | 88 | 90 | 87 | 82 | 77 | 72 | 66 | 88 |
| 2000 | 100 | 88 | 87 | 97 | 92 | 90 | 85 | 78 | 73 | 95 |
| | 80 | 87 | 88 | 96 | 95 | 92 | 86 | 80 | 75 | 96 |
| | 60 | 87 | 88 | 96 | 96 | 92 | 86 | 81 | 76 | 97 |
| | 40 | 91 | 100 | 100 | 98 | 93 | 87 | 80 | 73 | 99 |
| 2400 | 100 | 91 | 92 | 100 | 98 | 95 | 90 | 84 | 78 | 100 |
| | 80 | 91 | 93 | 100 | 99 | 96 | 91 | 85 | 80 | 101 |
| | 60 | 91 | 93 | 100 | 99 | 96 | 91 | 85 | 80 | 101 |
| | 40 | 90 | 93 | 99 | 100 | 97 | 91 | 86 | 81 | 101 |

| 927V | | Outlet Sound Power, Lwo (dB re 10-12 watts) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwoA |
| 650 | 100 | 68 | 70 | 68 | 66 | 59 | 54 | 49 | 44 | 66 |
| | 80 | 46 | 41 | 38 | 41 | 47 | 51 | 53 | 54 | 58 |
| | 60 | 38 | 30 | 27 | 32 | 43 | 51 | 54 | 58 | 60 |
| | 40 | 29 | 18 | 15 | 23 | 38 | 49 | 56 | 62 | 63 |
| 1025 | 100 | 72 | 84 | 80 | 79 | 74 | 67 | 62 | 57 | 80 |
| | 80 | 73 | 80 | 76 | 74 | 69 | 67 | 62 | 57 | 76 |
| | 60 | 68 | 77 | 71 | 70 | 66 | 66 | 62 | 58 | 73 |
| | 40 | 61 | 74 | 66 | 65 | 63 | 64 | 62 | 59 | 70 |
| 1400 | 100 | 82 | 88 | 90 | 86 | 83 | 77 | 71 | 66 | 88 |
| | 80 | 89 | 93 | 94 | 91 | 85 | 78 | 72 | 65 | 91 |
| | 60 | 87 | 91 | 91 | 88 | 83 | 77 | 72 | 65 | 89 |
| | 40 | 85 | 88 | 89 | 86 | 81 | 76 | 71 | 66 | 87 |
| 1775 | 100 | 89 | 90 | 97 | 92 | 90 | 85 | 78 | 73 | 95 |
| | 80 | 88 | 90 | 97 | 95 | 91 | 86 | 80 | 75 | 96 |
| | 60 | 88 | 90 | 97 | 96 | 92 | 86 | 81 | 76 | 97 |
| | 40 | 93 | 100 | 100 | 98 | 93 | 86 | 79 | 73 | 99 |
| 2150 | 100 | 93 | 93 | 102 | 98 | 95 | 90 | 84 | 78 | 100 |
| | 80 | 93 | 93 | 101 | 99 | 96 | 91 | 85 | 80 | 101 |
| | 60 | 93 | 94 | 101 | 100 | 97 | 91 | 85 | 80 | 101 |
| | 40 | 93 | 94 | 101 | 100 | 97 | 91 | 86 | 81 | 102 |

| 930V | | Outlet Sound Power, Lwo (dB re 10-12 watts) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwoA |
| 600 | 100 | 71 | 71 | 70 | 66 | 60 | 55 | 50 | 45 | 67 |
| | 80 | 51 | 43 | 42 | 44 | 51 | 53 | 54 | 54 | 60 |
| | 60 | 44 | 32 | 32 | 36 | 47 | 53 | 56 | 59 | 61 |
| | 40 | 36 | 20 | 21 | 28 | 43 | 52 | 58 | 63 | 64 |
| 925 | 100 | 75 | 84 | 81 | 79 | 74 | 67 | 62 | 57 | 80 |
| | 80 | 76 | 81 | 77 | 75 | 70 | 67 | 62 | 57 | 77 |
| | 60 | 70 | 78 | 72 | 71 | 67 | 66 | 62 | 58 | 74 |
| | 40 | 64 | 74 | 67 | 66 | 64 | 65 | 63 | 60 | 71 |
| 1250 | 100 | 82 | 91 | 90 | 87 | 83 | 77 | 71 | 66 | 88 |
| | 80 | 91 | 93 | 94 | 91 | 85 | 78 | 72 | 65 | 91 |
| | 60 | 89 | 91 | 92 | 88 | 83 | 77 | 71 | 65 | 89 |
| | 40 | 86 | 89 | 89 | 86 | 81 | 76 | 71 | 66 | 87 |
| 1575 | 100 | 89 | 93 | 97 | 93 | 90 | 84 | 78 | 73 | 95 |
| | 80 | 89 | 93 | 97 | 95 | 91 | 85 | 80 | 75 | 96 |
| | 60 | 89 | 93 | 97 | 96 | 91 | 86 | 81 | 76 | 97 |
| | 40 | 95 | 100 | 100 | 98 | 92 | 85 | 79 | 72 | 98 |
| 1900 | 100 | 95 | 94 | 103 | 97 | 95 | 90 | 83 | 78 | 100 |
| | 80 | 94 | 95 | 102 | 100 | 96 | 91 | 85 | 80 | 101 |
| | 60 | 94 | 95 | 102 | 100 | 96 | 91 | 85 | 80 | 101 |
| | 40 | 94 | 95 | 102 | 101 | 97 | 91 | 86 | 81 | 102 |

| 933V | | Outlet Sound Power, Lwo (dB re 10-12 watts) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwoA |
| 600 | 100 | 75 | 74 | 73 | 69 | 63 | 58 | 53 | 48 | 71 |
| | 80 | 60 | 54 | 53 | 53 | 56 | 57 | 56 | 54 | 62 |
| | 60 | 54 | 45 | 44 | 46 | 53 | 56 | 57 | 58 | 63 |
| | 40 | 47 | 35 | 35 | 39 | 50 | 56 | 59 | 62 | 64 |
| 900 | 100 | 78 | 87 | 83 | 81 | 76 | 69 | 64 | 59 | 82 |
| | 80 | 81 | 85 | 82 | 79 | 74 | 70 | 64 | 59 | 80 |
| | 60 | 77 | 82 | 78 | 76 | 71 | 69 | 64 | 60 | 78 |
| | 40 | 72 | 79 | 73 | 72 | 69 | 68 | 65 | 61 | 75 |
| 1200 | 100 | 85 | 93 | 91 | 89 | 85 | 78 | 73 | 68 | 90 |
| | 80 | 95 | 96 | 97 | 93 | 87 | 80 | 73 | 66 | 94 |
| | 60 | 93 | 95 | 95 | 91 | 85 | 79 | 73 | 67 | 92 |
| | 40 | 90 | 93 | 92 | 89 | 84 | 79 | 73 | 67 | 90 |
| 1500 | 100 | 91 | 96 | 98 | 95 | 91 | 85 | 79 | 74 | 96 |
| | 80 | 91 | 95 | 99 | 97 | 92 | 87 | 81 | 76 | 98 |
| | 60 | 91 | 95 | 99 | 97 | 93 | 87 | 82 | 77 | 98 |
| | 40 | 99 | 103 | 103 | 100 | 94 | 87 | 80 | 73 | 101 |
| 1800 | 100 | 97 | 97 | 104 | 99 | 96 | 91 | 84 | 79 | 102 |
| | 80 | 96 | 97 | 104 | 101 | 97 | 92 | 86 | 81 | 103 |
| | 60 | 96 | 98 | 104 | 101 | 98 | 92 | 86 | 81 | 103 |
| | 40 | 96 | 98 | 104 | 102 | 98 | 92 | 87 | 82 | 103 |

The sound power level ratings shown are in decibels, referred to $10^{-12}$ watts calculated per AMCA Standard 301. Values shown are for outlet Lwo and LwoA sound power levels for Installation Type C: Ducted inlet, free outlet. Ratings include the effects of duct end correction.

# Plasticair Inc. 900V series Axial Fans

## Outlet Sound Power Ratings

| 936V | | Outlet Sound Power, Lwo (dB re 10-12 watts) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwoA |
| 500 | 100 | 75 | 72 | 71 | 67 | 60 | 55 | 50 | 45 | 68 |
| | 80 | 55 | 41 | 45 | 46 | 54 | 55 | 56 | 56 | 62 |
| | 60 | 48 | 29 | 36 | 39 | 52 | 55 | 58 | 61 | 64 |
| | 40 | 39 | 16 | 25 | 31 | 49 | 55 | 61 | 66 | 67 |
| 775 | 100 | 80 | 85 | 82 | 80 | 74 | 68 | 63 | 58 | 81 |
| | 80 | 79 | 82 | 79 | 76 | 71 | 68 | 63 | 58 | 78 |
| | 60 | 75 | 79 | 74 | 72 | 69 | 67 | 63 | 59 | 75 |
| | 40 | 70 | 74 | 69 | 68 | 67 | 66 | 64 | 61 | 73 |
| 1050 | 100 | 84 | 94 | 90 | 88 | 83 | 77 | 72 | 67 | 89 |
| | 80 | 96 | 96 | 96 | 92 | 85 | 78 | 72 | 65 | 93 |
| | 60 | 93 | 95 | 93 | 89 | 83 | 78 | 72 | 65 | 90 |
| | 40 | 89 | 93 | 90 | 87 | 81 | 77 | 72 | 66 | 88 |
| 1325 | 100 | 91 | 98 | 97 | 94 | 90 | 84 | 78 | 73 | 96 |
| | 80 | 91 | 97 | 99 | 96 | 91 | 86 | 81 | 76 | 97 |
| | 60 | 91 | 97 | 99 | 97 | 92 | 86 | 81 | 76 | 98 |
| | 40 | 100 | 101 | 102 | 99 | 92 | 86 | 79 | 72 | 99 |
| 1600 | 100 | 96 | 99 | 103 | 99 | 96 | 90 | 84 | 79 | 101 |
| | 80 | 96 | 99 | 103 | 101 | 97 | 91 | 85 | 80 | 102 |
| | 60 | 96 | 99 | 104 | 101 | 97 | 91 | 86 | 81 | 102 |
| | 40 | 96 | 99 | 104 | 102 | 97 | 91 | 86 | 81 | 103 |

| 940V | | Outlet Sound Power, Lwo (dB re 10-12 watts) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwoA |
| 500 | 100 | 78 | 75 | 75 | 70 | 63 | 58 | 53 | 48 | 71 |
| | 80 | 64 | 53 | 55 | 55 | 59 | 58 | 57 | 56 | 65 |
| | 60 | 58 | 44 | 48 | 49 | 57 | 58 | 59 | 60 | 65 |
| | 40 | 51 | 33 | 39 | 42 | 55 | 58 | 61 | 64 | 67 |
| 750 | 100 | 84 | 88 | 85 | 82 | 76 | 70 | 65 | 60 | 83 |
| | 80 | 85 | 87 | 84 | 80 | 75 | 70 | 65 | 59 | 81 |
| | 60 | 81 | 83 | 80 | 77 | 73 | 70 | 65 | 60 | 79 |
| | 40 | 77 | 80 | 75 | 73 | 71 | 69 | 65 | 62 | 77 |
| 1000 | 100 | 86 | 97 | 92 | 90 | 85 | 78 | 73 | 68 | 91 |
| | 80 | 100 | 100 | 99 | 94 | 87 | 80 | 73 | 66 | 95 |
| | 60 | 97 | 98 | 96 | 92 | 86 | 80 | 73 | 67 | 93 |
| | 40 | 94 | 97 | 94 | 90 | 84 | 79 | 73 | 67 | 91 |
| 1250 | 100 | 93 | 101 | 99 | 96 | 92 | 85 | 80 | 75 | 97 |
| | 80 | 93 | 100 | 101 | 98 | 93 | 87 | 82 | 77 | 99 |
| | 60 | 93 | 100 | 101 | 98 | 93 | 87 | 82 | 77 | 99 |
| | 40 | 103 | 104 | 105 | 101 | 94 | 87 | 80 | 73 | 102 |
| 1500 | 100 | 98 | 102 | 104 | 100 | 97 | 91 | 85 | 80 | 102 |
| | 80 | 98 | 102 | 105 | 102 | 98 | 92 | 86 | 81 | 103 |
| | 60 | 98 | 102 | 105 | 102 | 98 | 92 | 87 | 82 | 104 |
| | 40 | 98 | 102 | 105 | 103 | 98 | 93 | 87 | 82 | 104 |

| 944V | | Outlet Sound Power, Lwo (dB re 10-12 watts) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwoA |
| 400 | 100 | 75 | 73 | 71 | 66 | 60 | 55 | 50 | 45 | 68 |
| | 80 | 50 | 42 | 45 | 49 | 55 | 57 | 58 | 59 | 64 |
| | 60 | 41 | 30 | 36 | 43 | 54 | 57 | 61 | 64 | 67 |
| | 40 | 30 | 17 | 26 | 37 | 52 | 58 | 65 | 71 | 72 |
| 625 | 100 | 86 | 86 | 83 | 80 | 73 | 68 | 63 | 58 | 81 |
| | 80 | 82 | 82 | 79 | 75 | 72 | 68 | 63 | 58 | 77 |
| | 60 | 79 | 77 | 74 | 72 | 70 | 67 | 63 | 60 | 75 |
| | 40 | 76 | 72 | 69 | 68 | 68 | 67 | 64 | 61 | 73 |
| 850 | 100 | 88 | 95 | 91 | 89 | 83 | 76 | 71 | 66 | 90 |
| | 80 | 97 | 98 | 96 | 91 | 84 | 78 | 71 | 64 | 92 |
| | 60 | 94 | 96 | 93 | 89 | 83 | 77 | 71 | 65 | 90 |
| | 40 | 91 | 94 | 90 | 87 | 81 | 77 | 71 | 66 | 88 |
| 1075 | 100 | 92 | 101 | 97 | 95 | 90 | 83 | 78 | 73 | 96 |
| | 80 | 92 | 101 | 100 | 97 | 91 | 86 | 81 | 76 | 98 |
| | 60 | 93 | 100 | 101 | 97 | 91 | 86 | 81 | 76 | 98 |
| | 40 | 104 | 104 | 103 | 99 | 92 | 85 | 78 | 72 | 100 |
| 1300 | 100 | 97 | 104 | 103 | 100 | 96 | 90 | 84 | 79 | 101 |
| | 80 | 98 | 104 | 104 | 101 | 97 | 91 | 85 | 80 | 102 |
| | 60 | 98 | 104 | 105 | 102 | 97 | 91 | 86 | 81 | 103 |
| | 40 | 98 | 104 | 105 | 102 | 97 | 91 | 86 | 81 | 103 |

| 949V | | Outlet Sound Power, Lwo (dB re 10-12 watts) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwoA |
| 400 | 100 | 79 | 77 | 75 | 69 | 63 | 58 | 53 | 48 | 71 |
| | 80 | 61 | 54 | 56 | 57 | 60 | 59 | 58 | 57 | 66 |
| | 60 | 54 | 45 | 48 | 52 | 59 | 60 | 61 | 62 | 67 |
| | 40 | 45 | 34 | 40 | 47 | 57 | 61 | 64 | 67 | 70 |
| 600 | 100 | 89 | 88 | 86 | 82 | 75 | 70 | 65 | 60 | 83 |
| | 80 | 87 | 86 | 83 | 79 | 75 | 70 | 64 | 59 | 81 |
| | 60 | 84 | 83 | 80 | 76 | 73 | 70 | 65 | 61 | 79 |
| | 40 | 81 | 78 | 75 | 73 | 72 | 69 | 66 | 62 | 77 |
| 800 | 100 | 92 | 97 | 93 | 90 | 84 | 78 | 73 | 68 | 91 |
| | 80 | 100 | 101 | 98 | 93 | 86 | 79 | 72 | 66 | 95 |
| | 60 | 98 | 99 | 96 | 91 | 85 | 79 | 73 | 66 | 93 |
| | 40 | 95 | 97 | 93 | 89 | 84 | 79 | 73 | 67 | 91 |
| 1000 | 100 | 94 | 104 | 98 | 97 | 91 | 84 | 79 | 74 | 98 |
| | 80 | 94 | 103 | 101 | 98 | 92 | 87 | 82 | 77 | 99 |
| | 60 | 95 | 103 | 102 | 98 | 92 | 87 | 82 | 77 | 100 |
| | 40 | 107 | 106 | 105 | 100 | 93 | 86 | 79 | 73 | 102 |
| 1200 | 100 | 99 | 107 | 104 | 101 | 97 | 90 | 85 | 80 | 103 |
| | 80 | 99 | 106 | 105 | 102 | 97 | 92 | 86 | 81 | 104 |
| | 60 | 99 | 106 | 106 | 103 | 98 | 92 | 87 | 82 | 104 |
| | 40 | 99 | 106 | 106 | 103 | 98 | 92 | 87 | 82 | 104 |

The sound power level ratings shown are in decibels, referred to 10-12 watts calculated per AMCA Standard 301. Values shown are for outlet Lwo and LwoA sound power levels for Installation Type C: Ducted inlet, free outlet. Ratings include the effects of duct end correction.

# Plasticair Inc. 900V series Axial Fans

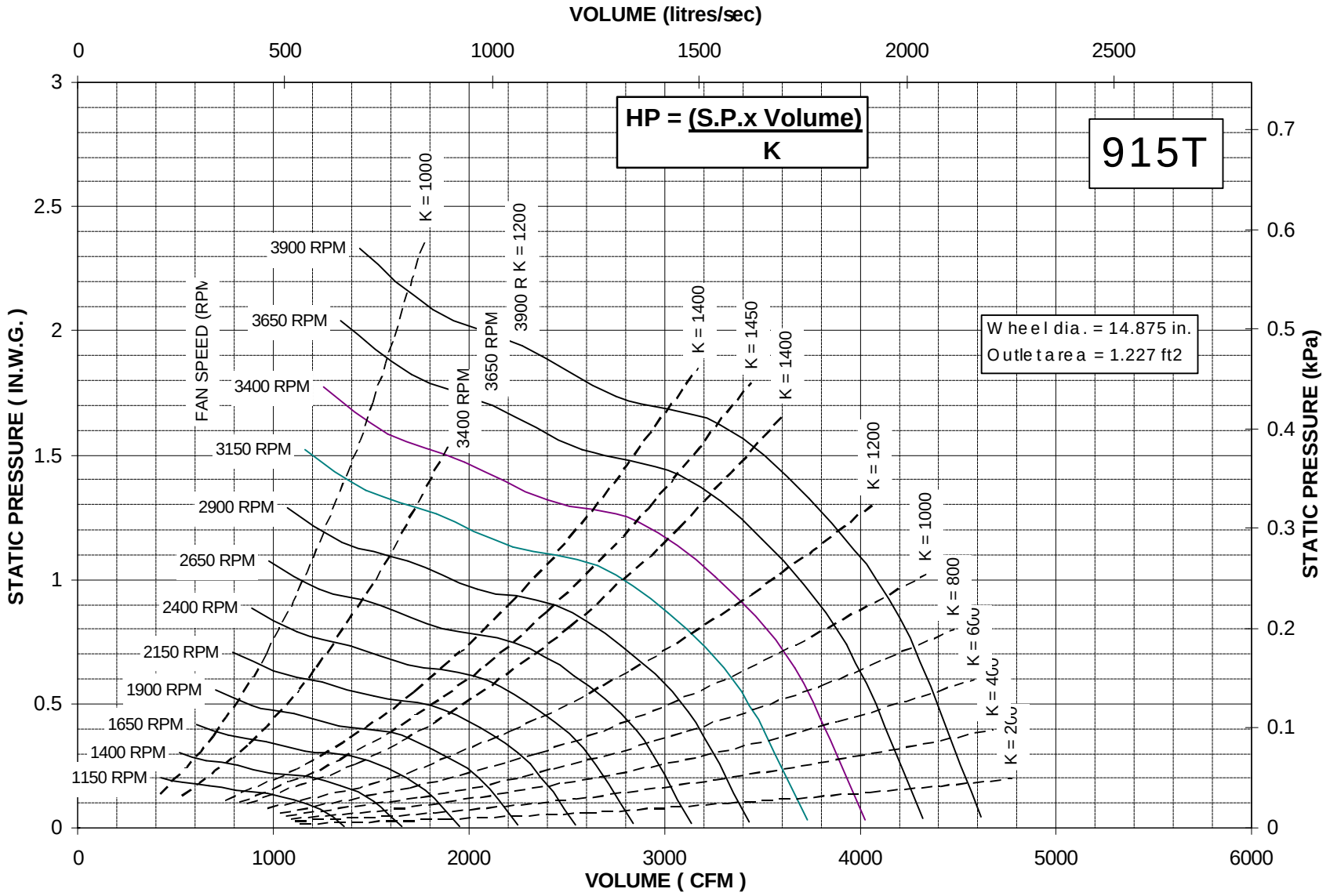
## Outlet Sound Power Ratings

| 954V | | Outlet Sound Power, Lwo (dB re 10-12 watts) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwoA |
| 350 | 100 | 78 | 77 | 74 | 68 | 62 | 57 | 52 | 47 | 70 |
| | 80 | 56 | 52 | 54 | 57 | 60 | 59 | 59 | 59 | 66 |
| | 60 | 48 | 43 | 46 | 53 | 59 | 61 | 62 | 64 | 68 |
| | 40 | 38 | 32 | 38 | 48 | 58 | 62 | 66 | 70 | 72 |
| 525 | 100 | 90 | 87 | 85 | 81 | 74 | 69 | 64 | 59 | 82 |
| | 80 | 87 | 84 | 82 | 77 | 74 | 69 | 64 | 59 | 80 |
| | 60 | 85 | 80 | 78 | 74 | 73 | 69 | 65 | 60 | 78 |
| | 40 | 81 | 75 | 74 | 71 | 71 | 69 | 66 | 63 | 76 |
| 700 | 100 | 94 | 96 | 93 | 89 | 83 | 77 | 72 | 67 | 90 |
| | 80 | 99 | 100 | 97 | 91 | 85 | 78 | 71 | 64 | 93 |
| | 60 | 97 | 98 | 95 | 89 | 84 | 78 | 72 | 65 | 91 |
| | 40 | 95 | 95 | 92 | 87 | 82 | 77 | 72 | 66 | 89 |
| 875 | 100 | 96 | 103 | 98 | 96 | 90 | 84 | 79 | 74 | 97 |
| | 80 | 96 | 103 | 101 | 97 | 91 | 86 | 81 | 76 | 98 |
| | 60 | 96 | 103 | 102 | 98 | 92 | 87 | 82 | 77 | 99 |
| | 40 | 106 | 106 | 104 | 99 | 92 | 85 | 78 | 71 | 100 |
| 1050 | 100 | 98 | 108 | 103 | 101 | 96 | 89 | 84 | 79 | 102 |
| | 80 | 99 | 107 | 105 | 102 | 96 | 91 | 86 | 81 | 103 |
| | 60 | 99 | 107 | 106 | 102 | 97 | 91 | 86 | 81 | 103 |
| | 40 | 99 | 107 | 106 | 103 | 97 | 91 | 86 | 81 | 104 |

| 960V | | Outlet Sound Power, Lwo (dB re 10-12 watts) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwoA |
| 300 | 100 | 77 | 76 | 73 | 67 | 61 | 56 | 51 | 46 | 69 |
| | 80 | 50 | 49 | 51 | 57 | 59 | 60 | 60 | 61 | 67 |
| | 60 | 39 | 39 | 43 | 54 | 59 | 62 | 64 | 67 | 70 |
| | 40 | 27 | 28 | 35 | 50 | 58 | 64 | 69 | 75 | 76 |
| 450 | 100 | 90 | 86 | 85 | 79 | 73 | 68 | 63 | 58 | 81 |
| | 80 | 86 | 82 | 80 | 75 | 72 | 68 | 63 | 58 | 78 |
| | 60 | 83 | 77 | 76 | 73 | 72 | 68 | 64 | 61 | 76 |
| | 40 | 79 | 71 | 71 | 69 | 71 | 68 | 66 | 63 | 75 |
| 600 | 100 | 96 | 95 | 92 | 88 | 82 | 76 | 71 | 66 | 89 |
| | 80 | 98 | 99 | 95 | 89 | 83 | 76 | 70 | 63 | 91 |
| | 60 | 96 | 96 | 93 | 87 | 82 | 76 | 70 | 64 | 89 |
| | 40 | 94 | 93 | 90 | 85 | 81 | 76 | 71 | 66 | 87 |
| 750 | 100 | 99 | 102 | 98 | 95 | 89 | 83 | 78 | 73 | 96 |
| | 80 | 98 | 103 | 100 | 96 | 90 | 85 | 80 | 75 | 98 |
| | 60 | 105 | 106 | 103 | 98 | 91 | 84 | 77 | 71 | 99 |
| | 40 | 104 | 105 | 102 | 96 | 90 | 83 | 77 | 70 | 98 |
| 900 | 100 | 100 | 107 | 102 | 100 | 94 | 88 | 83 | 78 | 101 |
| | 80 | 100 | 107 | 105 | 101 | 95 | 90 | 85 | 80 | 102 |
| | 60 | 101 | 107 | 105 | 101 | 95 | 90 | 85 | 80 | 103 |
| | 40 | 101 | 107 | 106 | 102 | 96 | 91 | 86 | 81 | 103 |

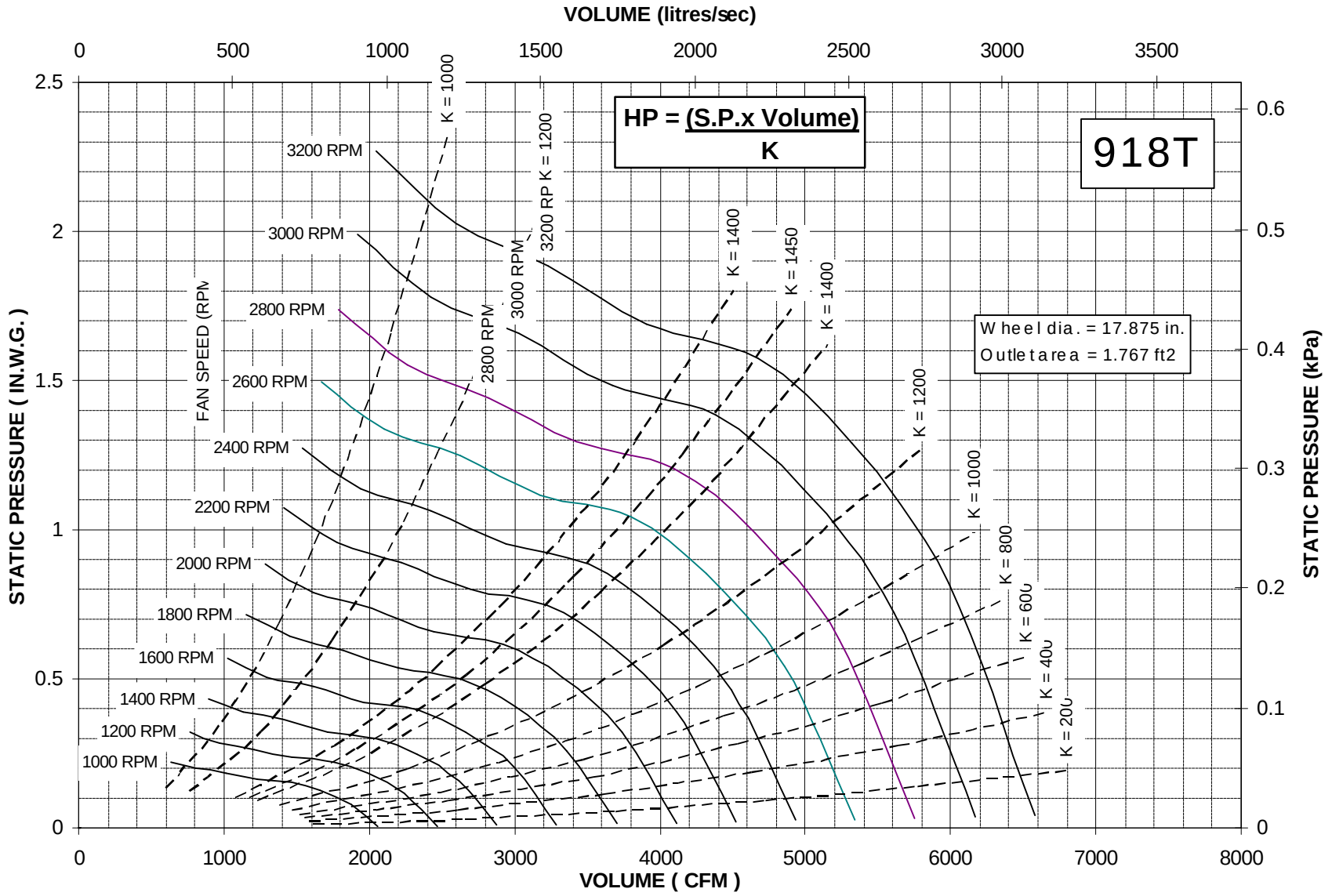
| 966V | | Outlet Sound Power, Lwo (dB re 10-12 watts) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwoA |
| 300 | 100 | 81 | 79 | 76 | 69 | 64 | 59 | 54 | 49 | 72 |
| | 80 | 61 | 59 | 59 | 63 | 63 | 62 | 61 | 59 | 68 |
| | 60 | 52 | 51 | 53 | 60 | 62 | 63 | 64 | 65 | 70 |
| | 40 | 42 | 42 | 46 | 56 | 62 | 65 | 68 | 71 | 73 |
| 425 | 100 | 91 | 88 | 86 | 81 | 74 | 69 | 64 | 59 | 82 |
| | 80 | 89 | 85 | 82 | 78 | 74 | 69 | 64 | 59 | 80 |
| | 60 | 85 | 81 | 78 | 75 | 73 | 69 | 65 | 61 | 78 |
| | 40 | 81 | 75 | 74 | 72 | 72 | 69 | 66 | 63 | 77 |
| 550 | 100 | 98 | 95 | 93 | 88 | 82 | 76 | 71 | 66 | 90 |
| | 80 | 100 | 100 | 96 | 90 | 83 | 77 | 70 | 63 | 92 |
| | 60 | 98 | 97 | 93 | 88 | 82 | 77 | 71 | 65 | 90 |
| | 40 | 96 | 94 | 91 | 86 | 82 | 76 | 71 | 66 | 88 |
| 675 | 100 | 101 | 101 | 98 | 94 | 88 | 82 | 77 | 72 | 96 |
| | 80 | 100 | 103 | 101 | 96 | 90 | 85 | 80 | 75 | 98 |
| | 60 | 106 | 107 | 103 | 97 | 90 | 83 | 76 | 69 | 99 |
| | 40 | 104 | 105 | 101 | 96 | 89 | 83 | 76 | 70 | 98 |
| 800 | 100 | 103 | 107 | 102 | 99 | 94 | 87 | 82 | 77 | 101 |
| | 80 | 103 | 107 | 104 | 100 | 95 | 89 | 84 | 79 | 102 |
| | 60 | 103 | 107 | 105 | 101 | 95 | 90 | 85 | 80 | 102 |
| | 40 | 103 | 107 | 106 | 101 | 95 | 90 | 85 | 80 | 103 |

The sound power level ratings shown are in decibels, referred to 10-12 watts calculated per AMCA Standard 301. Values shown are for outlet Lwo and LwoA sound power levels for Installation Type C: Ducted inlet, free outlet. Ratings include the effects of duct end correction.




**Plasticair Inc.**
1275 Crestlawn Drive
Mississauga, Ontario Canada L4W

PERFORMANCE SHOWN IS FOR INSTALLATION TYPE A - FREE INLET, FREE OUTLET.
PERFORMANCE RATINGS DO NOT INCLUDE THE EFFECTS OF APPURTENANCES IN THE AIRSTREAM.
POWER RATINGS (HP) DO NOT INCLUDE DRIVE LOSSES.

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Mississauga, Ontario Canada L4W

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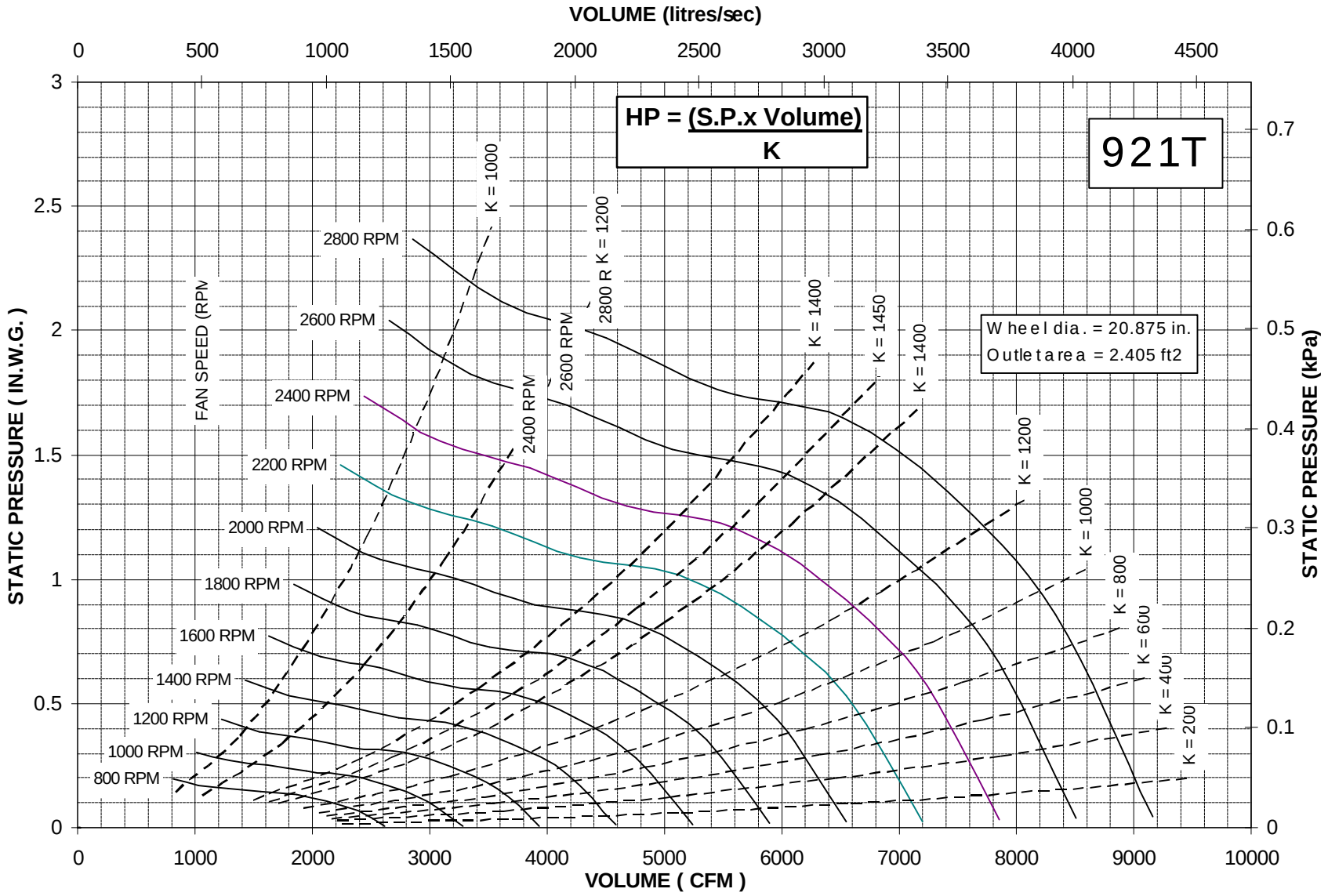


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Mississauga, Ontario Canada L4W

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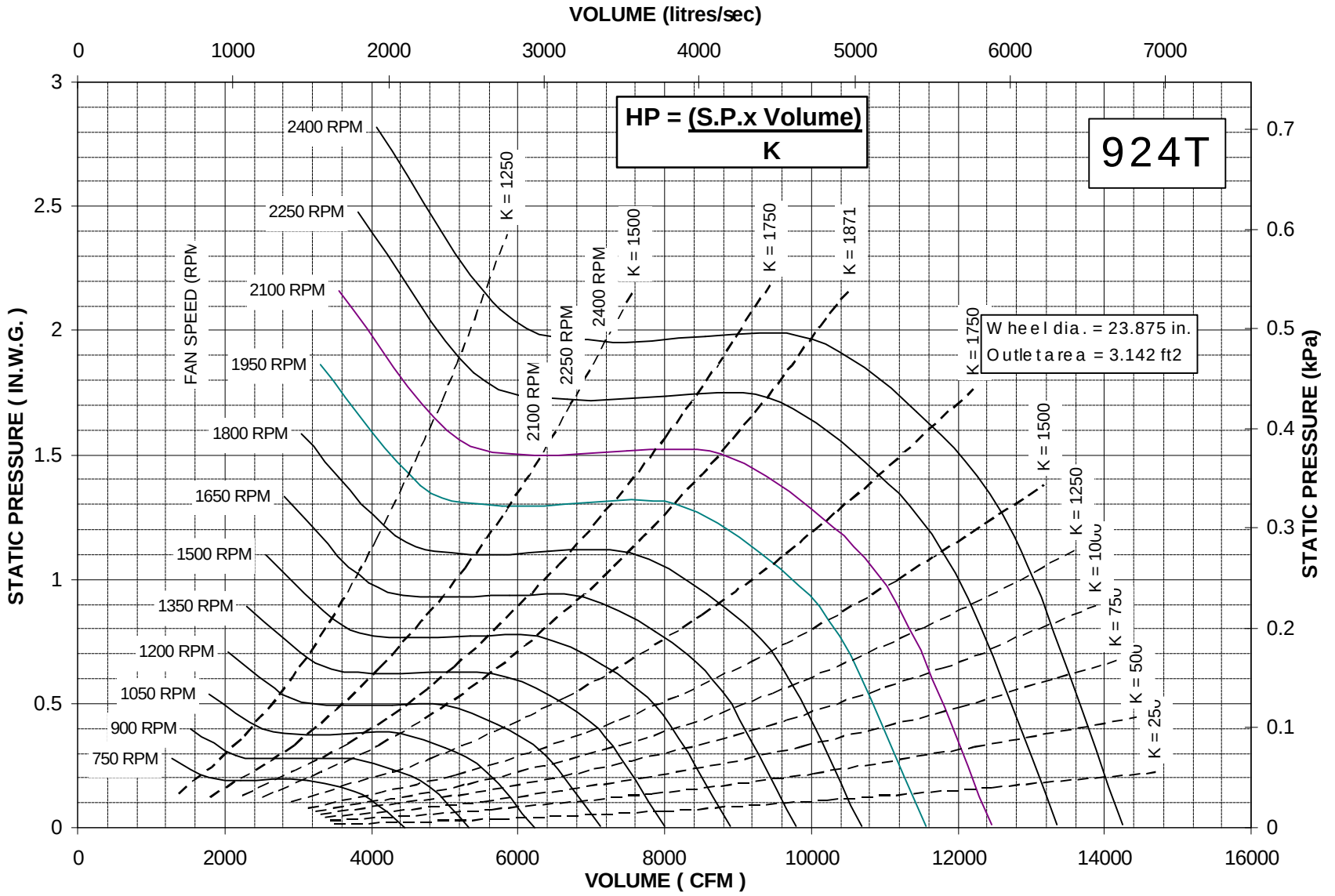


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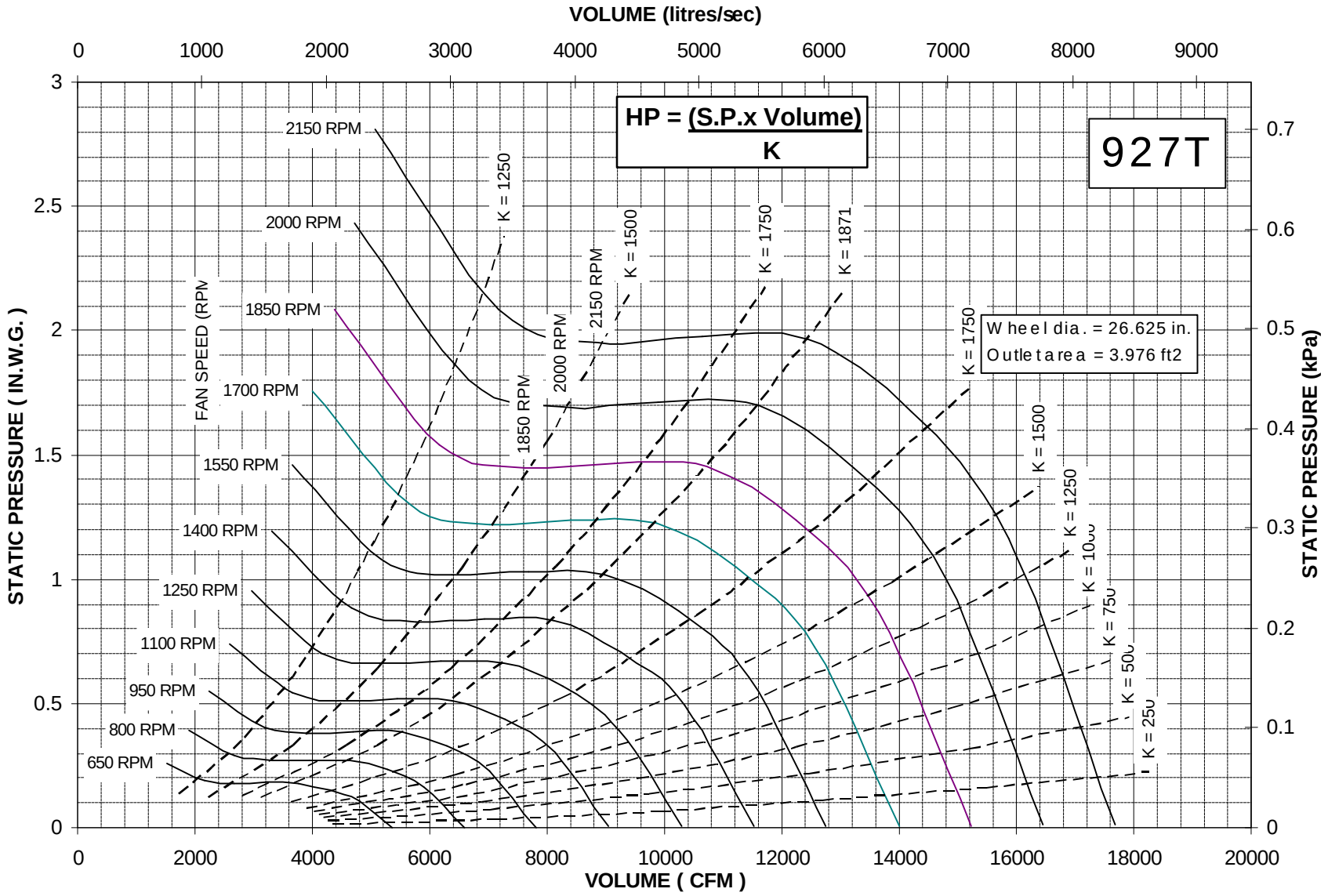


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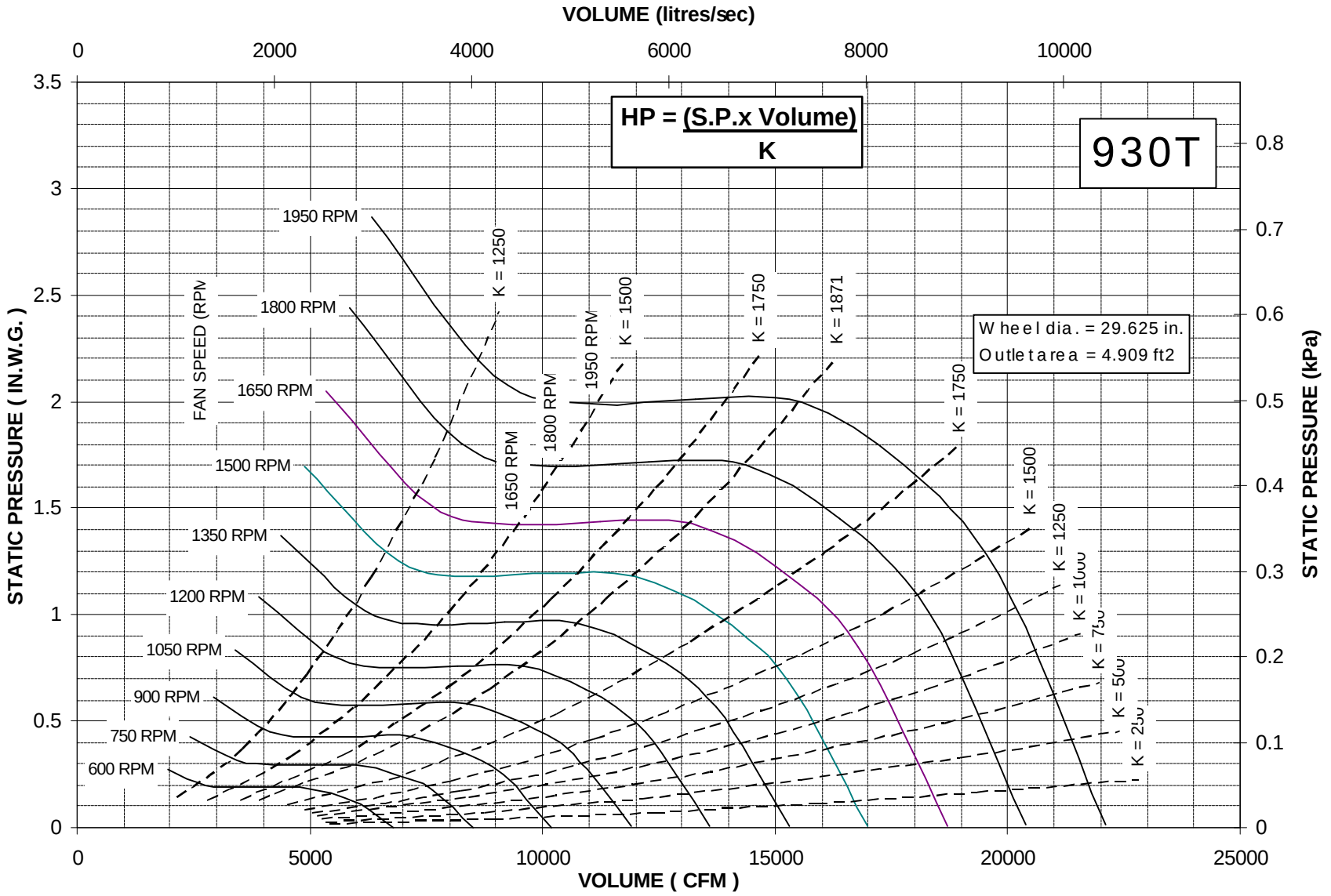


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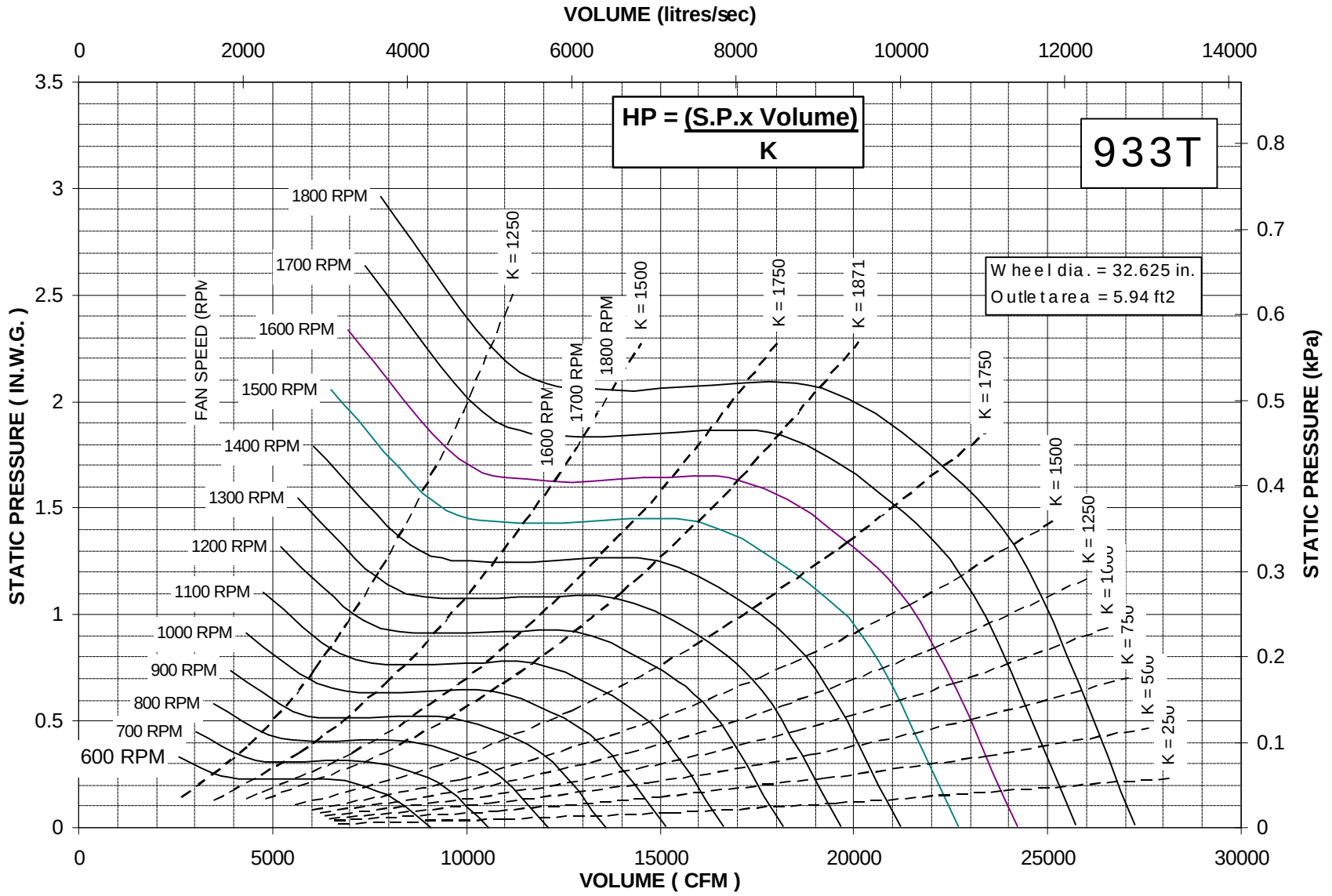


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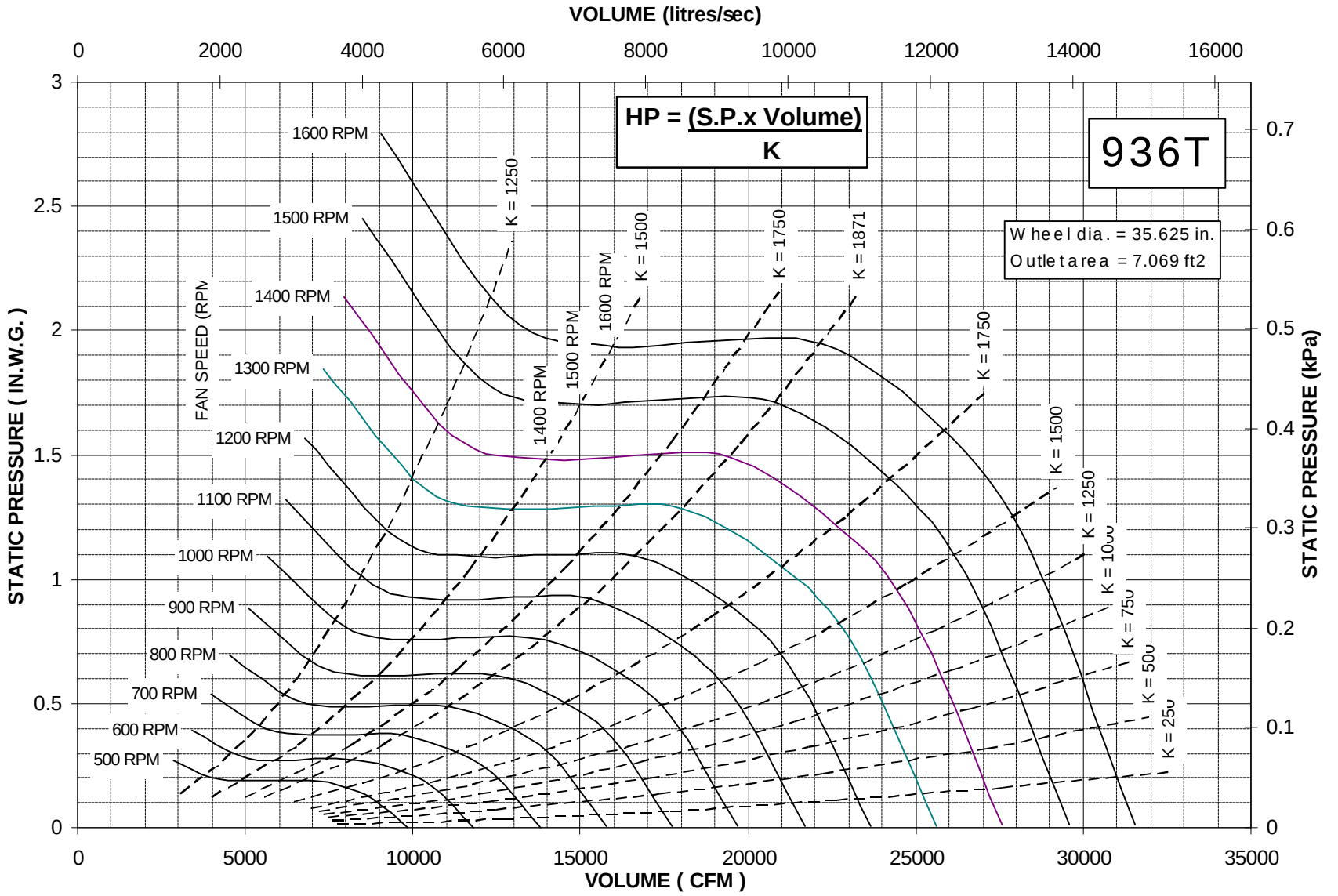


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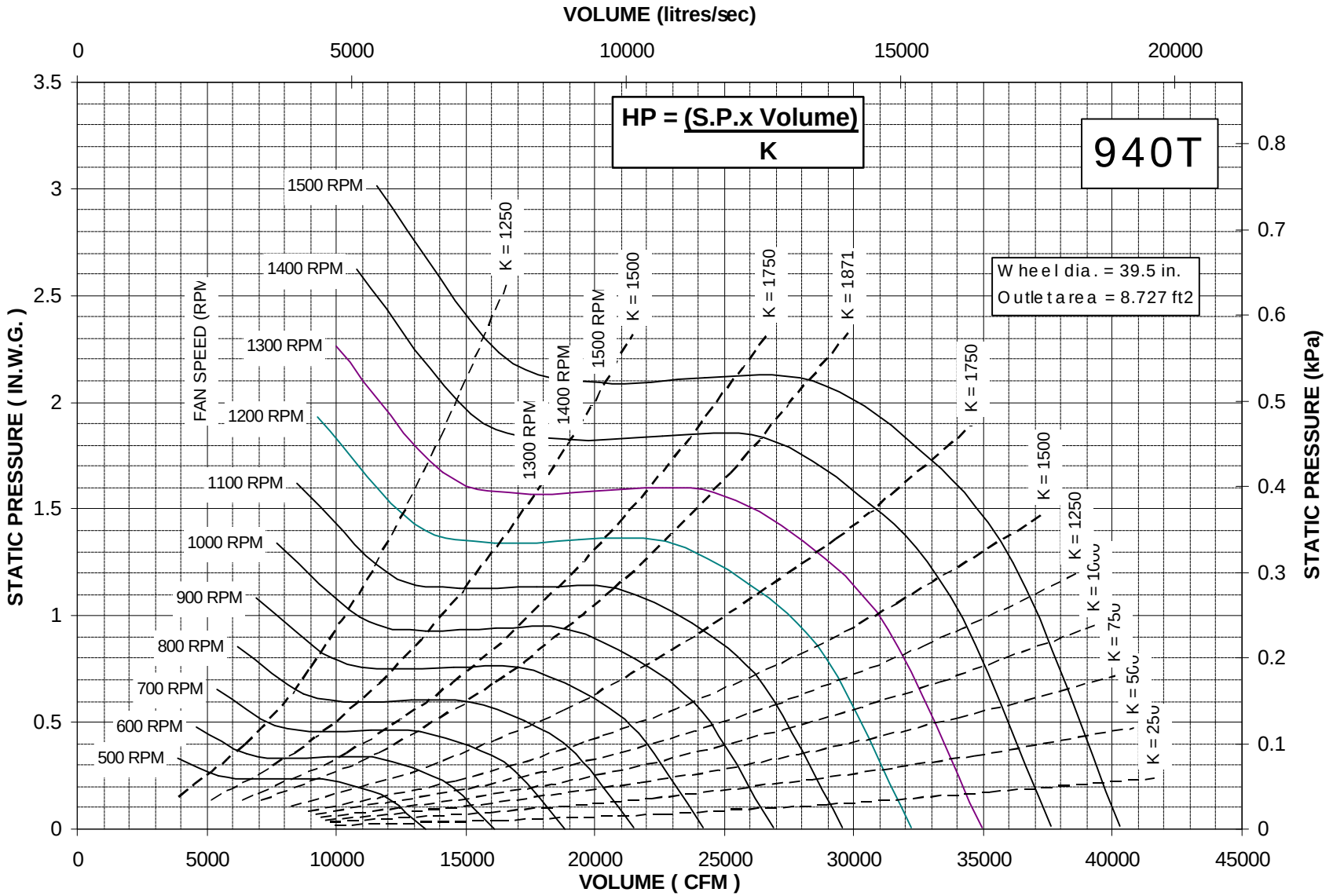


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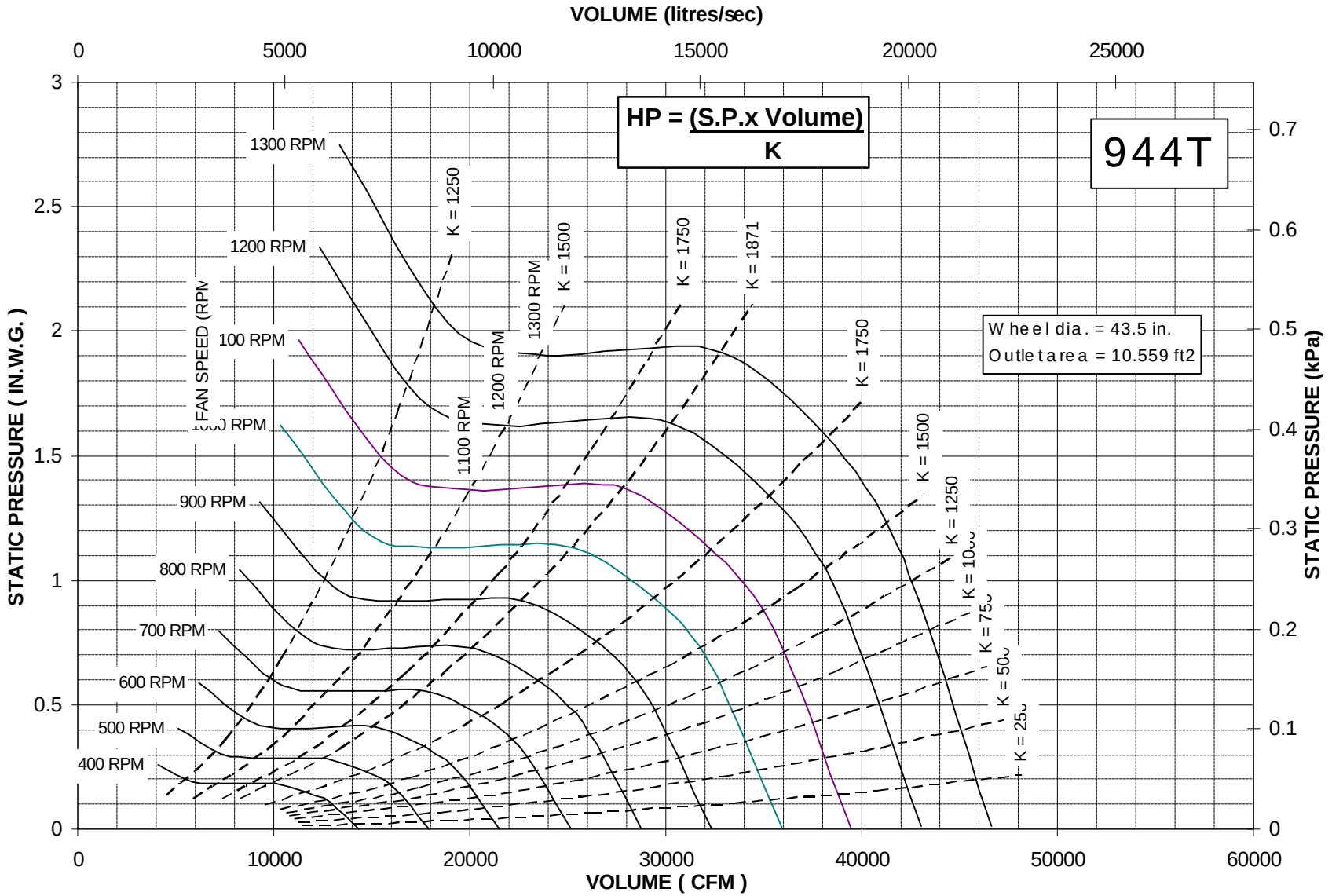


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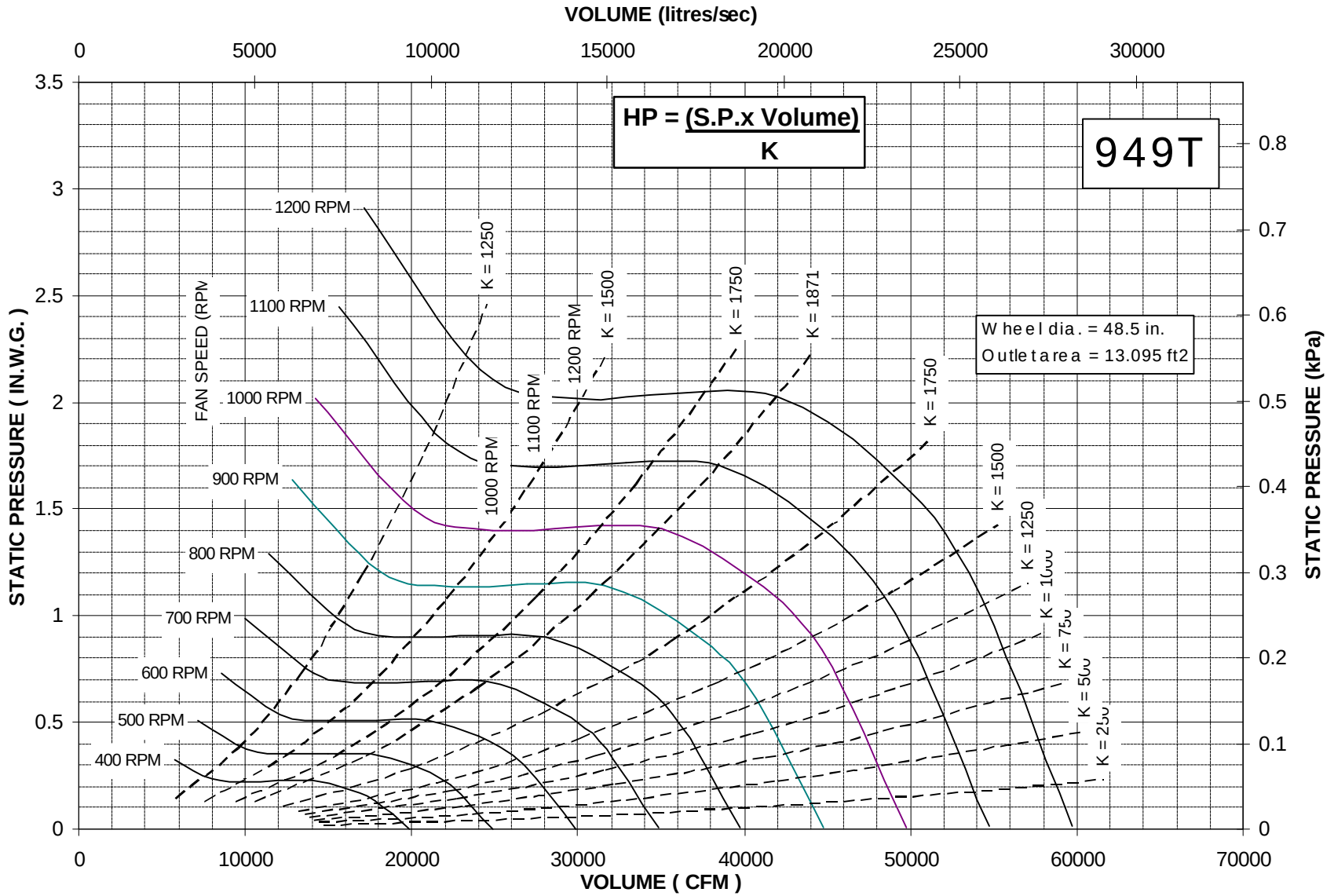


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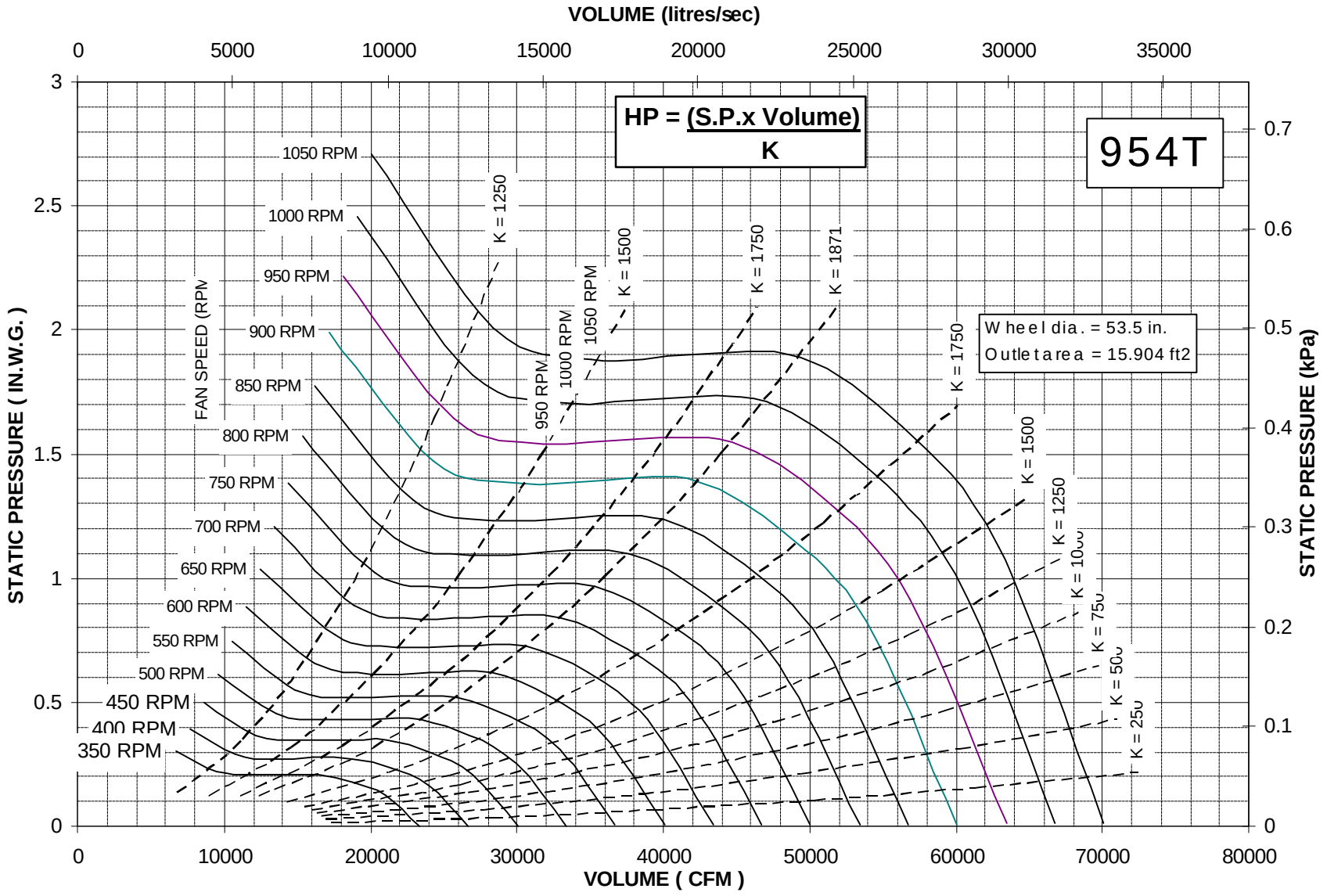


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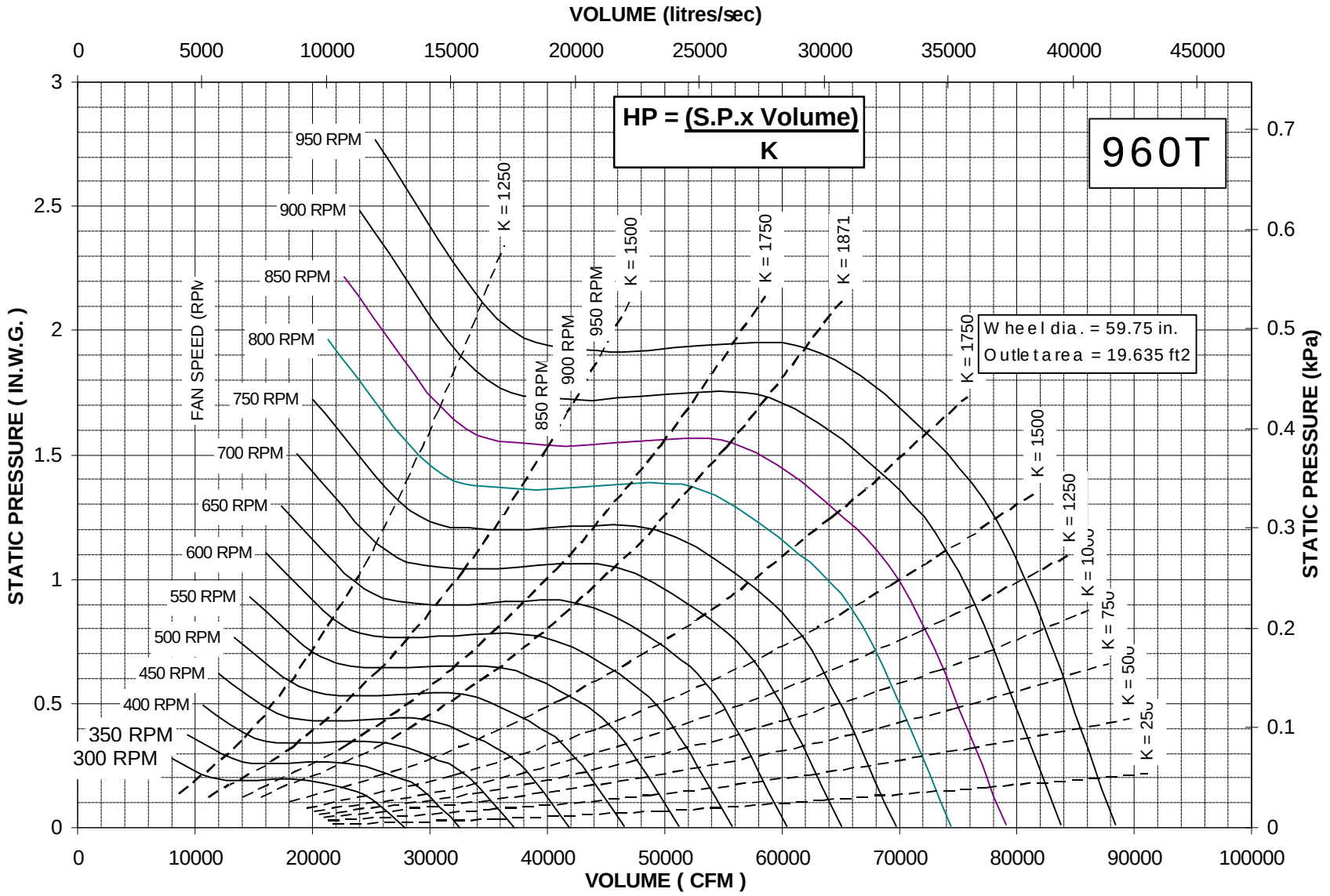


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Mississauga, Ontario Canada L4W

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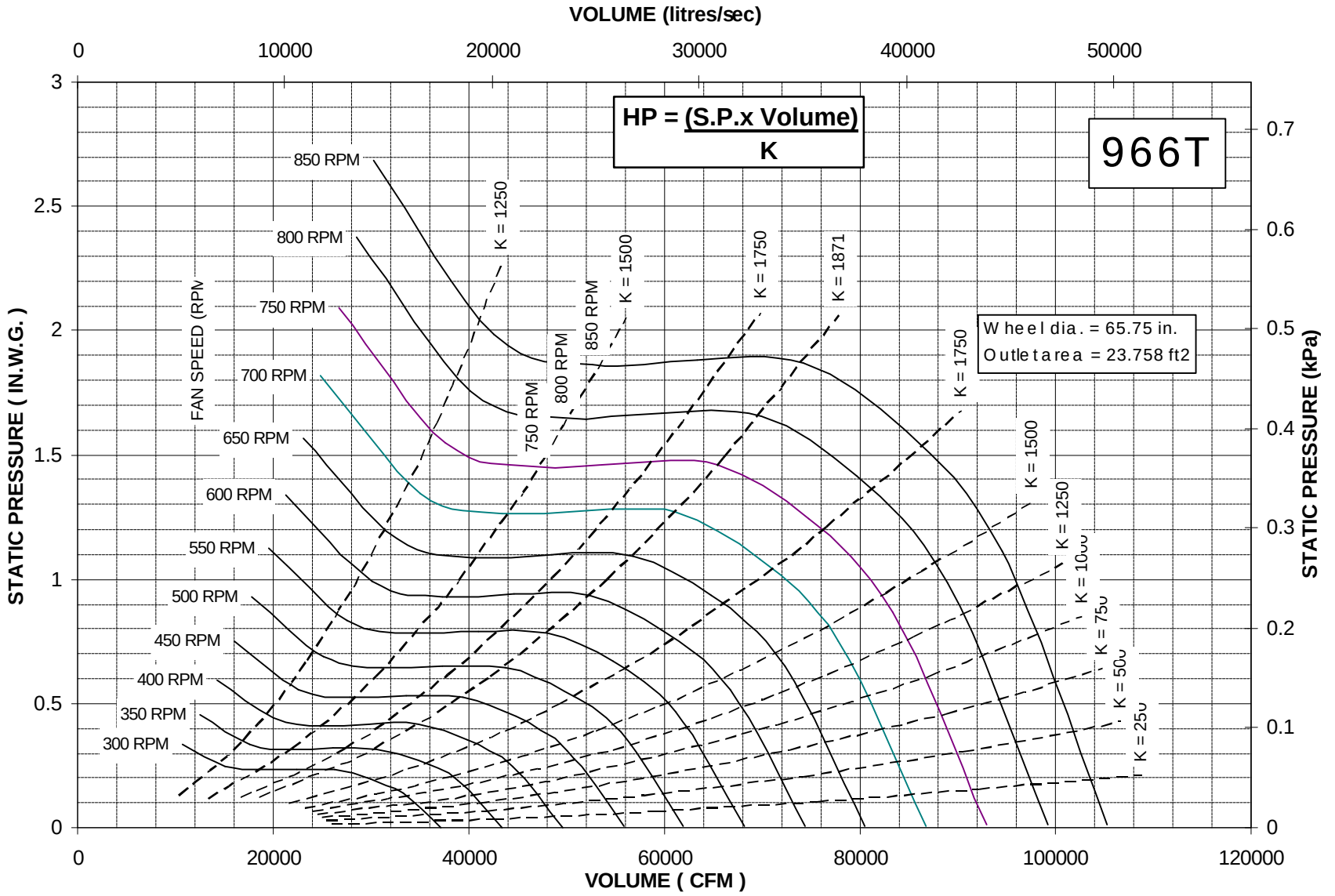


**Plasticair Inc.**
1275 Crestlawn Drive
Mississauga, Ontario Canada L4W

PERFORMANCE SHOWN IS FOR INSTALLATION TYPE A - FREE INLET, FREE OUTLET.
PERFORMANCE RATINGS DO NOT INCLUDE THE EFFECTS OF APPURTENANCES IN THE AIRSTREAM.
POWER RATINGS (HP) DO NOT INCLUDE DRIVE LOSSES.

# Plasticair Inc. 900T series Axial Fans

## Inlet Sound Power Ratings

### 915T

Inlet Sound Power, Lwi (dB re $10^{-12}$ watts

| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwiA |
|---|---|---|---|---|---|---|---|---|---|---|
| 1100 | 100 | 66 | 74 | 68 | 65 | 58 | 51 | 44 | 37 | 66 |
| | 80 | 68 | 74 | 67 | 65 | 58 | 51 | 44 | 37 | 66 |
| | 60 | 70 | 74 | 67 | 65 | 58 | 51 | 43 | 35 | 66 |
| | 40 | 73 | 71 | 63 | 60 | 54 | 48 | 42 | 36 | 62 |
| 1800 | 100 | 74 | 84 | 85 | 79 | 74 | 67 | 60 | 53 | 81 |
| | 80 | 75 | 85 | 84 | 79 | 74 | 67 | 60 | 53 | 81 |
| | 60 | 76 | 86 | 84 | 79 | 74 | 67 | 59 | 51 | 81 |
| | 40 | 81 | 87 | 81 | 75 | 69 | 63 | 57 | 51 | 78 |
| 2500 | 100 | 80 | 88 | 97 | 88 | 85 | 78 | 70 | 63 | 92 |
| | 80 | 79 | 90 | 97 | 87 | 85 | 78 | 70 | 63 | 91 |
| | 60 | 79 | 93 | 97 | 87 | 85 | 78 | 70 | 62 | 92 |
| | 40 | 84 | 97 | 94 | 84 | 80 | 73 | 67 | 61 | 89 |
| 3200 | 100 | 84 | 92 | 100 | 97 | 92 | 86 | 78 | 71 | 98 |
| | 80 | 83 | 93 | 101 | 97 | 91 | 86 | 78 | 71 | 98 |
| | 60 | 83 | 95 | 102 | 97 | 91 | 86 | 78 | 70 | 98 |
| | 40 | 88 | 99 | 102 | 94 | 87 | 81 | 74 | 68 | 96 |
| 3900 | 100 | 88 | 96 | 103 | 105 | 97 | 92 | 85 | 77 | 104 |
| | 80 | 87 | 96 | 104 | 104 | 96 | 92 | 85 | 77 | 104 |
| | 60 | 87 | 97 | 106 | 104 | 96 | 92 | 85 | 77 | 104 |
| | 40 | 92 | 101 | 108 | 101 | 93 | 87 | 81 | 74 | 103 |

### 918T

Inlet Sound Power, Lwi (dB re $10^{-12}$ watts

| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwiA |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000 | 100 | 72 | 77 | 71 | 68 | 61 | 53 | 46 | 39 | 69 |
| | 80 | 73 | 77 | 71 | 68 | 61 | 53 | 46 | 39 | 69 |
| | 60 | 75 | 77 | 71 | 68 | 61 | 53 | 45 | 37 | 69 |
| | 40 | 77 | 74 | 67 | 63 | 57 | 51 | 45 | 39 | 65 |
| 1550 | 100 | 79 | 88 | 85 | 81 | 75 | 68 | 60 | 53 | 82 |
| | 80 | 80 | 89 | 85 | 81 | 75 | 68 | 60 | 53 | 82 |
| | 60 | 82 | 90 | 85 | 81 | 75 | 68 | 60 | 52 | 82 |
| | 40 | 86 | 89 | 82 | 76 | 70 | 64 | 58 | 52 | 79 |
| 2100 | 100 | 84 | 92 | 97 | 89 | 85 | 78 | 70 | 63 | 92 |
| | 80 | 84 | 94 | 96 | 88 | 85 | 78 | 70 | 63 | 92 |
| | 60 | 84 | 96 | 96 | 88 | 85 | 78 | 70 | 62 | 92 |
| | 40 | 89 | 98 | 93 | 85 | 80 | 73 | 67 | 61 | 89 |
| 2650 | 100 | 88 | 96 | 104 | 96 | 92 | 85 | 78 | 70 | 99 |
| | 80 | 87 | 97 | 104 | 95 | 92 | 85 | 78 | 70 | 99 |
| | 60 | 87 | 100 | 104 | 95 | 92 | 85 | 78 | 70 | 99 |
| | 40 | 92 | 104 | 102 | 92 | 87 | 80 | 74 | 68 | 97 |
| 3200 | 100 | 91 | 99 | 107 | 103 | 97 | 92 | 84 | 76 | 104 |
| | 80 | 90 | 100 | 107 | 102 | 97 | 92 | 84 | 76 | 104 |
| | 60 | 90 | 102 | 108 | 102 | 97 | 92 | 84 | 76 | 104 |
| | 40 | 95 | 106 | 108 | 99 | 93 | 87 | 80 | 74 | 102 |

### 921T

Inlet Sound Power, Lwi (dB re $10^{-12}$ watts

| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwiA |
|---|---|---|---|---|---|---|---|---|---|---|
| 800 | 100 | 75 | 74 | 70 | 66 | 58 | 51 | 44 | 37 | 67 |
| | 80 | 76 | 73 | 70 | 66 | 58 | 51 | 44 | 37 | 67 |
| | 60 | 77 | 73 | 70 | 66 | 58 | 50 | 42 | 34 | 67 |
| | 40 | 76 | 70 | 66 | 61 | 55 | 49 | 43 | 37 | 63 |
| 1300 | 100 | 82 | 91 | 84 | 81 | 74 | 67 | 59 | 52 | 82 |
| | 80 | 83 | 91 | 83 | 81 | 74 | 67 | 59 | 52 | 82 |
| | 60 | 86 | 92 | 83 | 81 | 74 | 67 | 59 | 51 | 82 |
| | 40 | 90 | 89 | 80 | 76 | 69 | 63 | 57 | 51 | 79 |
| 1800 | 100 | 87 | 96 | 96 | 90 | 85 | 77 | 70 | 63 | 92 |
| | 80 | 88 | 97 | 96 | 89 | 85 | 77 | 70 | 63 | 92 |
| | 60 | 89 | 98 | 96 | 89 | 85 | 77 | 69 | 61 | 92 |
| | 40 | 94 | 99 | 93 | 85 | 80 | 73 | 67 | 61 | 89 |
| 2300 | 100 | 91 | 99 | 105 | 96 | 93 | 86 | 78 | 71 | 100 |
| | 80 | 91 | 101 | 105 | 96 | 93 | 86 | 78 | 71 | 100 |
| | 60 | 91 | 103 | 105 | 96 | 93 | 86 | 78 | 70 | 100 |
| | 40 | 96 | 107 | 102 | 92 | 88 | 81 | 75 | 69 | 97 |
| 2800 | 100 | 95 | 102 | 110 | 103 | 98 | 92 | 84 | 77 | 105 |
| | 80 | 94 | 104 | 110 | 102 | 98 | 92 | 84 | 77 | 105 |
| | 60 | 94 | 106 | 111 | 102 | 98 | 92 | 84 | 76 | 105 |
| | 40 | 99 | 110 | 109 | 99 | 94 | 87 | 81 | 75 | 103 |

### 924T

Inlet Sound Power, Lwi (dB re $10^{-12}$ watts

| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwiA |
|---|---|---|---|---|---|---|---|---|---|---|
| 800 | 100 | 87 | 82 | 78 | 75 | 67 | 59 | 52 | 45 | 75 |
| | 80 | 84 | 81 | 76 | 74 | 66 | 59 | 52 | 45 | 74 |
| | 60 | 83 | 81 | 76 | 74 | 66 | 59 | 52 | 45 | 74 |
| | 40 | 73 | 75 | 72 | 65 | 59 | 52 | 47 | 43 | 68 |
| 1200 | 100 | 84 | 101 | 90 | 86 | 81 | 73 | 65 | 58 | 89 |
| | 80 | 83 | 98 | 88 | 84 | 80 | 72 | 65 | 58 | 87 |
| | 60 | 83 | 98 | 88 | 84 | 80 | 72 | 65 | 58 | 87 |
| | 40 | 93 | 85 | 84 | 78 | 71 | 65 | 59 | 54 | 80 |
| 1600 | 100 | 84 | 106 | 99 | 94 | 90 | 82 | 74 | 67 | 97 |
| | 80 | 83 | 103 | 98 | 92 | 89 | 81 | 74 | 67 | 95 |
| | 60 | 83 | 102 | 98 | 92 | 89 | 81 | 74 | 67 | 95 |
| | 40 | 105 | 92 | 92 | 88 | 80 | 74 | 67 | 62 | 89 |
| 2000 | 100 | 88 | 104 | 110 | 100 | 96 | 90 | 82 | 74 | 104 |
| | 80 | 87 | 102 | 108 | 99 | 95 | 89 | 81 | 74 | 102 |
| | 60 | 87 | 102 | 107 | 99 | 95 | 89 | 81 | 74 | 102 |
| | 40 | 109 | 103 | 97 | 94 | 88 | 81 | 75 | 69 | 96 |
| 2400 | 100 | 91 | 103 | 118 | 106 | 101 | 96 | 88 | 80 | 111 |
| | 80 | 90 | 102 | 116 | 104 | 100 | 95 | 87 | 80 | 109 |
| | 60 | 90 | 101 | 115 | 104 | 99 | 95 | 87 | 80 | 108 |
| | 40 | 112 | 112 | 102 | 100 | 94 | 87 | 80 | 74 | 102 |

The sound power level ratings shown are in decibels, referred to $10^{-12}$ watts calculated per AMCA Standard 301. Values shown are for inlet Lwi and LwiA sound power levels for Installation Type A: Free inlet, free outlet. Ratings do not include the effects of duct end correction.

# Plasticair Inc. 900T series Axial Fans

## Inlet Sound Power Ratings

### 927T

Inlet Sound Power, Lwi (dB re $10^{-12}$ watts

| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwiA |
|---|---|---|---|---|---|---|---|---|---|---|
| 650 | 100 | 89 | 78 | 76 | 71 | 63 | 56 | 49 | 42 | 73 |
| | 80 | 86 | 77 | 74 | 71 | 63 | 56 | 49 | 42 | 72 |
| | 60 | 85 | 77 | 74 | 70 | 63 | 56 | 49 | 42 | 71 |
| | 40 | 71 | 73 | 68 | 62 | 56 | 50 | 45 | 40 | 65 |
| 1025 | 100 | 89 | 97 | 89 | 85 | 79 | 71 | 63 | 56 | 87 |
| | 80 | 88 | 95 | 87 | 84 | 78 | 70 | 63 | 56 | 86 |
| | 60 | 87 | 95 | 87 | 83 | 78 | 70 | 63 | 56 | 85 |
| | 40 | 89 | 85 | 83 | 77 | 70 | 64 | 58 | 53 | 79 |
| 1400 | 100 | 88 | 109 | 98 | 93 | 89 | 81 | 73 | 66 | 97 |
| | 80 | 86 | 106 | 97 | 92 | 88 | 80 | 73 | 66 | 95 |
| | 60 | 86 | 105 | 96 | 92 | 88 | 80 | 73 | 66 | 95 |
| | 40 | 105 | 91 | 92 | 87 | 79 | 74 | 67 | 62 | 89 |
| 1775 | 100 | 90 | 109 | 107 | 100 | 96 | 89 | 81 | 74 | 103 |
| | 80 | 89 | 107 | 106 | 99 | 95 | 88 | 81 | 74 | 102 |
| | 60 | 89 | 106 | 106 | 99 | 95 | 88 | 81 | 74 | 101 |
| | 40 | 111 | 101 | 98 | 94 | 87 | 81 | 74 | 69 | 96 |
| 2150 | 100 | 93 | 108 | 116 | 106 | 101 | 95 | 87 | 80 | 110 |
| | 80 | 92 | 106 | 114 | 105 | 100 | 95 | 87 | 80 | 108 |
| | 60 | 92 | 105 | 114 | 104 | 100 | 94 | 87 | 80 | 108 |
| | 40 | 114 | 111 | 103 | 100 | 93 | 87 | 80 | 74 | 102 |

### 930T

Inlet Sound Power, Lwi (dB re $10^{-12}$ watts

| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwiA |
|---|---|---|---|---|---|---|---|---|---|---|
| 600 | 100 | 90 | 80 | 77 | 72 | 64 | 56 | 49 | 42 | 74 |
| | 80 | 87 | 79 | 75 | 71 | 63 | 56 | 49 | 42 | 72 |
| | 60 | 86 | 79 | 75 | 71 | 63 | 56 | 49 | 42 | 72 |
| | 40 | 74 | 74 | 69 | 63 | 57 | 51 | 46 | 41 | 66 |
| 925 | 100 | 94 | 96 | 89 | 85 | 78 | 70 | 63 | 56 | 87 |
| | 80 | 92 | 95 | 88 | 84 | 78 | 70 | 63 | 56 | 86 |
| | 60 | 91 | 94 | 87 | 84 | 77 | 70 | 63 | 56 | 85 |
| | 40 | 88 | 86 | 83 | 77 | 70 | 64 | 58 | 53 | 79 |
| 1250 | 100 | 92 | 110 | 98 | 94 | 88 | 81 | 73 | 66 | 98 |
| | 80 | 91 | 108 | 97 | 92 | 88 | 80 | 73 | 66 | 96 |
| | 60 | 90 | 107 | 96 | 92 | 88 | 80 | 73 | 66 | 95 |
| | 40 | 103 | 93 | 92 | 86 | 79 | 73 | 67 | 62 | 88 |
| 1575 | 100 | 92 | 113 | 105 | 100 | 96 | 88 | 80 | 73 | 103 |
| | 80 | 91 | 111 | 104 | 98 | 95 | 87 | 80 | 73 | 102 |
| | 60 | 91 | 110 | 104 | 98 | 95 | 87 | 80 | 73 | 101 |
| | 40 | 113 | 99 | 99 | 94 | 86 | 80 | 74 | 69 | 96 |
| 1900 | 100 | 95 | 112 | 114 | 106 | 101 | 94 | 86 | 79 | 109 |
| | 80 | 94 | 110 | 112 | 104 | 100 | 94 | 86 | 79 | 107 |
| | 60 | 94 | 109 | 112 | 104 | 100 | 94 | 86 | 79 | 107 |
| | 40 | 116 | 108 | 103 | 99 | 93 | 86 | 79 | 74 | 101 |

### 933T

Inlet Sound Power, Lwi (dB re $10^{-12}$ watts

| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwiA |
|---|---|---|---|---|---|---|---|---|---|---|
| 600 | 100 | 93 | 83 | 80 | 75 | 67 | 59 | 52 | 45 | 77 |
| | 80 | 91 | 82 | 78 | 74 | 66 | 59 | 52 | 45 | 76 |
| | 60 | 90 | 82 | 78 | 74 | 66 | 59 | 52 | 45 | 75 |
| | 40 | 77 | 77 | 72 | 66 | 60 | 53 | 49 | 44 | 69 |
| 900 | 100 | 98 | 98 | 91 | 88 | 80 | 73 | 65 | 58 | 89 |
| | 80 | 95 | 97 | 90 | 86 | 80 | 72 | 65 | 58 | 88 |
| | 60 | 95 | 96 | 90 | 86 | 79 | 72 | 65 | 58 | 88 |
| | 40 | 90 | 89 | 85 | 79 | 72 | 66 | 60 | 55 | 81 |
| 1200 | 100 | 96 | 112 | 100 | 95 | 90 | 82 | 74 | 67 | 99 |
| | 80 | 94 | 109 | 98 | 94 | 89 | 82 | 74 | 67 | 98 |
| | 60 | 94 | 108 | 98 | 94 | 89 | 81 | 74 | 67 | 97 |
| | 40 | 104 | 95 | 94 | 88 | 81 | 75 | 69 | 64 | 90 |
| 1500 | 100 | 95 | 117 | 106 | 102 | 98 | 90 | 81 | 74 | 105 |
| | 80 | 94 | 114 | 105 | 100 | 97 | 89 | 82 | 75 | 104 |
| | 60 | 94 | 113 | 105 | 100 | 97 | 89 | 82 | 75 | 103 |
| | 40 | 116 | 100 | 101 | 95 | 88 | 82 | 75 | 70 | 97 |
| 1800 | 100 | 98 | 116 | 115 | 107 | 103 | 96 | 88 | 80 | 110 |
| | 80 | 97 | 114 | 113 | 105 | 102 | 95 | 87 | 80 | 109 |
| | 60 | 97 | 113 | 113 | 105 | 101 | 95 | 87 | 80 | 108 |
| | 40 | 119 | 109 | 105 | 101 | 94 | 87 | 81 | 75 | 103 |

### 936T

Inlet Sound Power, Lwi (dB re $10^{-12}$ watts

| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwiA |
|---|---|---|---|---|---|---|---|---|---|---|
| 500 | 100 | 88 | 81 | 78 | 72 | 64 | 56 | 49 | 42 | 74 |
| | 80 | 86 | 79 | 76 | 71 | 63 | 56 | 49 | 42 | 73 |
| | 60 | 85 | 79 | 76 | 71 | 63 | 56 | 49 | 42 | 72 |
| | 40 | 76 | 75 | 69 | 63 | 57 | 51 | 46 | 41 | 66 |
| 775 | 100 | 102 | 94 | 90 | 86 | 78 | 70 | 63 | 56 | 87 |
| | 80 | 99 | 93 | 88 | 85 | 77 | 70 | 63 | 56 | 86 |
| | 60 | 98 | 93 | 88 | 85 | 77 | 70 | 63 | 56 | 86 |
| | 40 | 86 | 88 | 83 | 76 | 70 | 64 | 59 | 54 | 79 |
| 1050 | 100 | 100 | 108 | 99 | 94 | 88 | 80 | 73 | 66 | 97 |
| | 80 | 98 | 106 | 97 | 93 | 87 | 80 | 73 | 66 | 96 |
| | 60 | 98 | 106 | 97 | 93 | 87 | 80 | 73 | 66 | 95 |
| | 40 | 101 | 95 | 93 | 86 | 80 | 73 | 67 | 63 | 89 |
| 1325 | 100 | 98 | 118 | 105 | 101 | 96 | 88 | 80 | 73 | 105 |
| | 80 | 97 | 115 | 104 | 99 | 95 | 87 | 80 | 73 | 103 |
| | 60 | 97 | 114 | 104 | 99 | 95 | 87 | 80 | 73 | 103 |
| | 40 | 113 | 100 | 100 | 94 | 87 | 81 | 74 | 69 | 96 |
| 1600 | 100 | 99 | 119 | 112 | 106 | 102 | 94 | 86 | 79 | 109 |
| | 80 | 98 | 117 | 111 | 105 | 101 | 93 | 86 | 79 | 108 |
| | 60 | 98 | 116 | 111 | 104 | 101 | 93 | 86 | 79 | 108 |
| | 40 | 120 | 106 | 105 | 100 | 93 | 87 | 80 | 75 | 102 |

The sound power level ratings shown are in decibels, referred to $10^{-12}$ watts calculated per AMCA Standard 301. Values shown are for inlet Lwi and LwiA sound power levels for Installation Type A: Free inlet, free outlet.

# Plasticair Inc. 900T series Axial Fans

## Inlet Sound Power Ratings

### 940T

Inlet Sound Power, Lwi (dB re $10^{-12}$ watts

| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwiA |
|---|---|---|---|---|---|---|---|---|---|---|
| 500 | 100 | 91 | 84 | 81 | 75 | 67 | 59 | 52 | 45 | 77 |
| | 80 | 90 | 83 | 80 | 74 | 66 | 59 | 52 | 45 | 76 |
| | 60 | 89 | 83 | 79 | 74 | 66 | 59 | 52 | 45 | 76 |
| | 40 | 80 | 78 | 72 | 66 | 60 | 54 | 49 | 44 | 69 |
| 750 | 100 | 105 | 96 | 92 | 88 | 80 | 72 | 65 | 58 | 90 |
| | 80 | 103 | 95 | 90 | 87 | 79 | 72 | 65 | 58 | 88 |
| | 60 | 102 | 95 | 90 | 87 | 79 | 72 | 65 | 58 | 88 |
| | 40 | 88 | 91 | 86 | 79 | 73 | 66 | 61 | 56 | 82 |
| 1000 | 100 | 104 | 109 | 100 | 96 | 90 | 82 | 74 | 67 | 99 |
| | 80 | 102 | 108 | 99 | 95 | 89 | 81 | 74 | 67 | 97 |
| | 60 | 101 | 107 | 99 | 95 | 89 | 81 | 74 | 67 | 97 |
| | 40 | 102 | 97 | 94 | 88 | 81 | 75 | 69 | 64 | 90 |
| 1250 | 100 | 102 | 120 | 107 | 102 | 97 | 89 | 82 | 75 | 107 |
| | 80 | 101 | 117 | 106 | 101 | 96 | 89 | 82 | 75 | 105 |
| | 60 | 101 | 116 | 106 | 101 | 96 | 89 | 82 | 75 | 105 |
| | 40 | 113 | 103 | 101 | 95 | 88 | 82 | 75 | 71 | 97 |
| 1500 | 100 | 101 | 123 | 112 | 108 | 103 | 95 | 87 | 80 | 111 |
| | 80 | 101 | 121 | 111 | 106 | 103 | 94 | 87 | 80 | 110 |
| | 60 | 100 | 120 | 111 | 106 | 102 | 94 | 87 | 80 | 109 |
| | 40 | 122 | 106 | 107 | 101 | 94 | 88 | 81 | 76 | 103 |

### 944T

Inlet Sound Power, Lwi (dB re $10^{-12}$ watts

| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwiA |
|---|---|---|---|---|---|---|---|---|---|---|
| 400 | 100 | 84 | 81 | 78 | 70 | 62 | 55 | 48 | 41 | 73 |
| | 80 | 83 | 79 | 77 | 69 | 62 | 55 | 48 | 41 | 72 |
| | 60 | 83 | 79 | 77 | 69 | 62 | 55 | 48 | 41 | 72 |
| | 40 | 78 | 75 | 68 | 62 | 56 | 51 | 46 | 41 | 65 |
| 625 | 100 | 105 | 94 | 90 | 85 | 77 | 69 | 62 | 55 | 87 |
| | 80 | 103 | 93 | 89 | 84 | 76 | 69 | 62 | 55 | 86 |
| | 60 | 102 | 93 | 88 | 84 | 76 | 69 | 62 | 55 | 86 |
| | 40 | 88 | 88 | 83 | 76 | 70 | 63 | 59 | 54 | 79 |
| 850 | 100 | 108 | 105 | 99 | 95 | 87 | 79 | 72 | 65 | 96 |
| | 80 | 106 | 104 | 97 | 94 | 86 | 79 | 72 | 65 | 95 |
| | 60 | 105 | 103 | 97 | 94 | 86 | 79 | 72 | 65 | 95 |
| | 40 | 98 | 97 | 92 | 86 | 79 | 73 | 67 | 63 | 88 |
| 1075 | 100 | 107 | 116 | 105 | 101 | 95 | 87 | 80 | 73 | 104 |
| | 80 | 105 | 114 | 104 | 100 | 94 | 87 | 80 | 73 | 103 |
| | 60 | 105 | 113 | 104 | 100 | 94 | 87 | 80 | 73 | 102 |
| | 40 | 109 | 102 | 100 | 93 | 86 | 80 | 74 | 69 | 96 |
| 1300 | 100 | 106 | 124 | 111 | 107 | 102 | 93 | 86 | 79 | 111 |
| | 80 | 104 | 121 | 110 | 105 | 101 | 93 | 86 | 79 | 109 |
| | 60 | 104 | 120 | 110 | 105 | 101 | 93 | 86 | 79 | 109 |
| | 40 | 119 | 107 | 105 | 99 | 92 | 86 | 80 | 75 | 102 |

### 949T

Inlet Sound Power, Lwi (dB re $10^{-12}$ watts

| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwiA |
|---|---|---|---|---|---|---|---|---|---|---|
| 400 | 100 | 88 | 85 | 81 | 74 | 66 | 58 | 51 | 44 | 76 |
| | 80 | 87 | 83 | 80 | 73 | 65 | 59 | 52 | 45 | 75 |
| | 60 | 87 | 83 | 80 | 73 | 65 | 59 | 52 | 45 | 75 |
| | 40 | 81 | 78 | 72 | 66 | 59 | 54 | 49 | 44 | 69 |
| 600 | 100 | 107 | 96 | 92 | 87 | 79 | 71 | 64 | 57 | 89 |
| | 80 | 105 | 95 | 91 | 86 | 78 | 71 | 64 | 57 | 88 |
| | 60 | 104 | 95 | 91 | 86 | 78 | 71 | 64 | 57 | 88 |
| | 40 | 91 | 91 | 85 | 78 | 72 | 66 | 61 | 56 | 81 |
| 800 | 100 | 112 | 106 | 100 | 96 | 89 | 81 | 74 | 67 | 98 |
| | 80 | 110 | 105 | 99 | 95 | 88 | 81 | 74 | 67 | 97 |
| | 60 | 109 | 104 | 98 | 95 | 88 | 81 | 74 | 67 | 96 |
| | 40 | 98 | 99 | 94 | 87 | 81 | 74 | 69 | 64 | 90 |
| 1000 | 100 | 111 | 116 | 107 | 103 | 96 | 88 | 81 | 74 | 105 |
| | 80 | 109 | 114 | 105 | 101 | 95 | 88 | 81 | 74 | 104 |
| | 60 | 109 | 114 | 105 | 101 | 95 | 88 | 81 | 74 | 103 |
| | 40 | 110 | 104 | 101 | 94 | 88 | 81 | 75 | 71 | 97 |
| 1200 | 100 | 110 | 125 | 112 | 108 | 102 | 94 | 86 | 79 | 112 |
| | 80 | 109 | 122 | 111 | 106 | 101 | 94 | 86 | 79 | 110 |
| | 60 | 108 | 121 | 111 | 106 | 101 | 93 | 86 | 79 | 110 |
| | 40 | 119 | 109 | 106 | 100 | 93 | 87 | 81 | 76 | 103 |

### 954T

Inlet Sound Power, Lwi (dB re $10^{-12}$ watts

| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwiA |
|---|---|---|---|---|---|---|---|---|---|---|
| 350 | 100 | 87 | 84 | 80 | 72 | 64 | 57 | 50 | 43 | 75 |
| | 80 | 86 | 82 | 79 | 71 | 64 | 57 | 50 | 43 | 74 |
| | 60 | 86 | 82 | 79 | 71 | 64 | 57 | 50 | 43 | 74 |
| | 40 | 81 | 77 | 70 | 65 | 58 | 53 | 48 | 43 | 68 |
| 525 | 100 | 104 | 96 | 92 | 86 | 78 | 70 | 63 | 56 | 88 |
| | 80 | 102 | 94 | 90 | 85 | 77 | 70 | 63 | 56 | 87 |
| | 60 | 102 | 94 | 90 | 85 | 77 | 70 | 63 | 56 | 87 |
| | 40 | 91 | 90 | 83 | 77 | 70 | 65 | 60 | 55 | 80 |
| 700 | 100 | 115 | 104 | 100 | 95 | 87 | 79 | 72 | 65 | 97 |
| | 80 | 112 | 103 | 98 | 94 | 86 | 79 | 72 | 65 | 96 |
| | 60 | 111 | 103 | 98 | 94 | 86 | 79 | 72 | 65 | 96 |
| | 40 | 98 | 98 | 93 | 86 | 80 | 73 | 68 | 63 | 89 |
| 875 | 100 | 115 | 113 | 106 | 102 | 95 | 87 | 79 | 72 | 104 |
| | 80 | 113 | 112 | 104 | 101 | 94 | 86 | 79 | 72 | 102 |
| | 60 | 112 | 111 | 104 | 101 | 94 | 86 | 79 | 72 | 102 |
| | 40 | 106 | 104 | 100 | 93 | 86 | 80 | 75 | 70 | 96 |
| 1050 | 100 | 114 | 122 | 111 | 107 | 101 | 93 | 85 | 78 | 110 |
| | 80 | 112 | 120 | 110 | 106 | 100 | 92 | 85 | 78 | 109 |
| | 60 | 112 | 119 | 110 | 105 | 100 | 92 | 85 | 78 | 108 |
| | 40 | 115 | 108 | 105 | 99 | 92 | 86 | 80 | 75 | 101 |

The sound power level ratings shown are in decibels, referred to $10^{-12}$ watts calculated per AMCA Standard 301. Values shown are for inlet Lwi and LwiA sound power levels for Installation Type A: Free inlet, free outlet. Ratings do not include the effects of duct end correction.

# Plasticair Inc. 900T series Axial Fans

## Inlet Sound Power Ratings

### 960T

Inlet Sound Power, Lwi (dB re $10^{-12}$ watts

| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwiA |
|---|---|---|---|---|---|---|---|---|---|---|
| 300 | 100 | 86 | 83 | 78 | 70 | 63 | 56 | 49 | 42 | 74 |
| | 80 | 85 | 82 | 77 | 70 | 63 | 56 | 49 | 42 | 73 |
| | 60 | 85 | 81 | 77 | 70 | 63 | 56 | 49 | 42 | 73 |
| | 40 | 80 | 76 | 69 | 63 | 57 | 52 | 47 | 42 | 66 |
| 450 | 100 | 101 | 95 | 91 | 84 | 76 | 69 | 62 | 55 | 87 |
| | 80 | 99 | 93 | 90 | 83 | 76 | 69 | 62 | 55 | 86 |
| | 60 | 99 | 93 | 90 | 83 | 76 | 69 | 62 | 55 | 85 |
| | 40 | 91 | 88 | 82 | 76 | 69 | 64 | 59 | 54 | 79 |
| 600 | 100 | 114 | 103 | 99 | 94 | 85 | 78 | 71 | 64 | 96 |
| | 80 | 112 | 102 | 97 | 93 | 85 | 78 | 71 | 64 | 95 |
| | 60 | 111 | 102 | 97 | 93 | 85 | 78 | 71 | 64 | 94 |
| | 40 | 98 | 97 | 91 | 84 | 78 | 72 | 67 | 62 | 88 |
| 750 | 100 | 120 | 109 | 105 | 101 | 93 | 85 | 78 | 71 | 103 |
| | 80 | 117 | 109 | 103 | 100 | 92 | 85 | 78 | 71 | 101 |
| | 60 | 116 | 108 | 103 | 100 | 92 | 85 | 78 | 71 | 101 |
| | 40 | 103 | 104 | 99 | 91 | 85 | 78 | 73 | 69 | 95 |
| 900 | 100 | 119 | 118 | 110 | 106 | 99 | 91 | 84 | 77 | 108 |
| | 80 | 117 | 116 | 109 | 105 | 98 | 91 | 84 | 77 | 107 |
| | 60 | 116 | 116 | 108 | 105 | 98 | 91 | 84 | 77 | 107 |
| | 40 | 111 | 108 | 104 | 97 | 91 | 84 | 79 | 74 | 100 |

### 966T

Inlet Sound Power, Lwi (dB re $10^{-12}$ watts

| RPM | %WOV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | LwiA |
|---|---|---|---|---|---|---|---|---|---|---|
| 300 | 100 | 89 | 86 | 81 | 73 | 66 | 59 | 52 | 45 | 77 |
| | 80 | 88 | 85 | 80 | 73 | 66 | 59 | 52 | 45 | 76 |
| | 60 | 88 | 85 | 80 | 73 | 66 | 59 | 52 | 45 | 76 |
| | 40 | 84 | 79 | 72 | 66 | 60 | 55 | 50 | 45 | 69 |
| 425 | 100 | 101 | 96 | 92 | 85 | 77 | 70 | 63 | 56 | 88 |
| | 80 | 100 | 94 | 91 | 84 | 77 | 70 | 63 | 56 | 87 |
| | 60 | 100 | 94 | 91 | 84 | 77 | 70 | 63 | 56 | 87 |
| | 40 | 93 | 90 | 83 | 77 | 70 | 65 | 60 | 55 | 80 |
| 550 | 100 | 114 | 103 | 99 | 94 | 85 | 78 | 71 | 64 | 96 |
| | 80 | 111 | 102 | 98 | 93 | 85 | 78 | 71 | 64 | 95 |
| | 60 | 111 | 102 | 98 | 93 | 85 | 78 | 71 | 64 | 95 |
| | 40 | 100 | 98 | 91 | 85 | 78 | 72 | 67 | 63 | 88 |
| 675 | 100 | 121 | 109 | 105 | 100 | 92 | 84 | 77 | 70 | 103 |
| | 80 | 119 | 108 | 103 | 100 | 91 | 84 | 77 | 70 | 101 |
| | 60 | 118 | 108 | 103 | 99 | 91 | 84 | 77 | 70 | 101 |
| | 40 | 104 | 104 | 98 | 91 | 85 | 78 | 73 | 69 | 94 |
| 800 | 100 | 123 | 115 | 110 | 106 | 98 | 90 | 83 | 76 | 107 |
| | 80 | 120 | 114 | 108 | 105 | 97 | 90 | 83 | 76 | 106 |
| | 60 | 120 | 114 | 108 | 105 | 97 | 90 | 83 | 76 | 106 |
| | 40 | 109 | 109 | 103 | 96 | 90 | 83 | 78 | 73 | 99 |

The sound power level ratings shown are in decibels, referred to $10^{-12}$ watts calculated per AMCA Standard 301.
Values shown are for inlet Lwi and LwiA sound power levels for Installation Type A: Free inlet, free outlet.
Ratings do not include the effects of duct end correction.