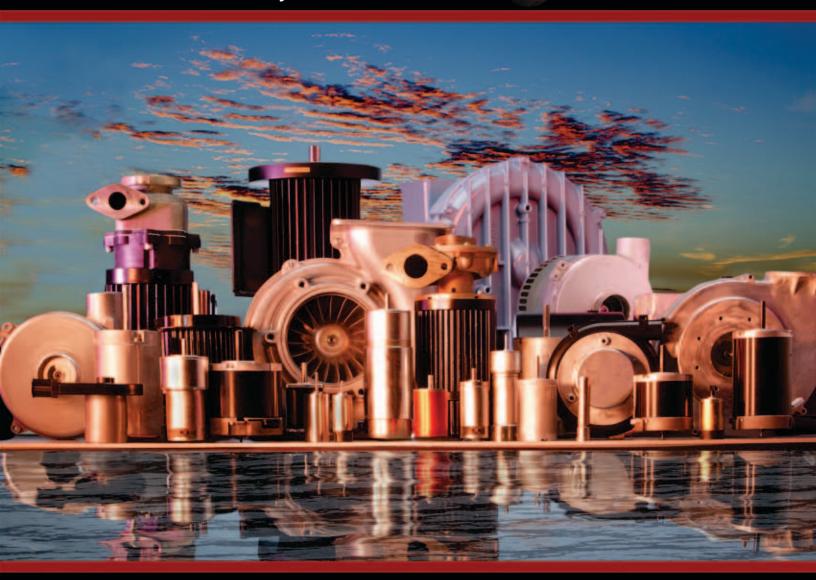


PRODUCT CATALOG

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Allied Electronics
Created for Danee Lackey



WELCOME TO SOLUTION CITY®

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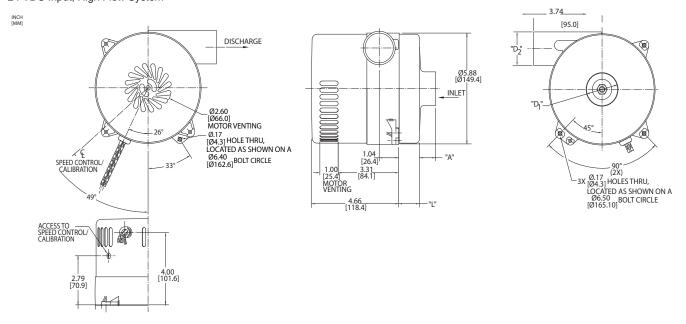
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Low Voltage Brushless DC Blowers

5.7" (145mm) BLDC Bypass Blower

24 VDC Input, High Flow System





		Part/ Model Number					
Specification	Units	150403	150434	150404	150435	150405	150436
Flow	-	High Flow	High Flow	High Flow	High Flow	Ultra High Flow	Ultra High Flow
Stages	-	1	1	2	2	1	1
Input Voltage	VDC	24	24	24	24	24	24
Max Sealed Pressure	in. H2O	34	34	57	57	22	22
Iviax Sealed Flessure	mbar	84.7	84.7	142	142	54.8	54.8
Max Open Flow Rate	CFM	126	126	101	101	190	190
Iviax Open Flow Rate	m3/hr	214.2	214.2	171.7	171.7	323	323
Inlet Diameter D1	Inches	1.75	1.75	1.75	1.75	2.75	2.75
Inlet Diameter D1	mm	44.5	44.5	44.5	44.5	69.9	69.9
Discharge Diameter D2	Inches	1.75	1.75	1.75	1.75	2.5	2.5
Discharge Diameter D2	mm	44.5	44.5	44.5	44.5	63.5	63.5
Longth (L)	Inches	0.50	0.50	1.50	1.50	0.75	0.75
Length (L)	mm	12.7	12.7	38.1	38.1	19.1	19.1
Speed Control	-	Anlg. Spd. Cmd.	Potent. Adjust.	Anlg. Spd. Cmd.	Potent. Adjust.	Anlg. Spd. Cmd.	Potent. Adjust.

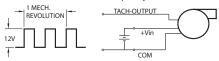
Notes:

- $\bullet \textbf{Temperature} : \textbf{Working Air: } 0^\circ \textbf{C} \textbf{ to } 45^\circ \textbf{C} \textbf{ , Ambient Air: } 0^\circ \textbf{C} \textbf{ to } 45^\circ \textbf{C} \textbf{, Storage: } -40^\circ \textbf{C} \textbf{ to } 85^\circ \textbf{C}.$
- When used as a vacuum, the blower performance might be less then shown herein, depending on the operating point.
- **Weight** = 6 lb / 2.2 Kg

Potentiometer Adjustment (Potent. Adjust.) - The specified supply voltage is applied and the speed is set by adjusting a potentiometer on the side of the blower.

Analog Speed Command (Anlg. Spd. Cmd.) - Blower speed is proportional to an analog speed command signal. The range over which the speed command signal operates can be calibrated within 0-10V by adjusting the sensitivity potentiometer accessed through the side of the blower. The sensitivity adjustment is also useful for precisely calibrating a group of blowers to the same speed for a given operating point and command signal voltage.

Tachometer Output - All of the models listed above come equipped with a tachometer output: a square wave output that is proportional to blower speed. The frequency of the tachometer output signal is 2x the blower's rotational frequency.

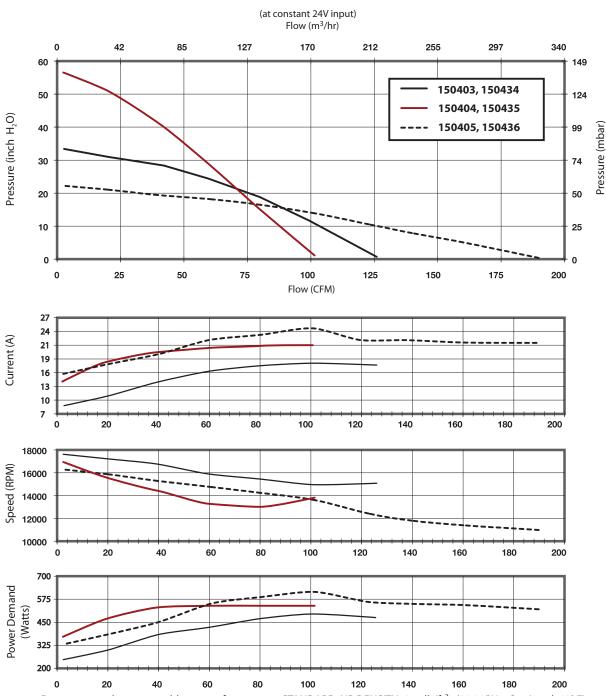






24 VDC Input, High Flow System

Typical Performance



Data presented represents blower performance at STANDARD AIR DENSITY, .075 lb/ft 3 (29.92" Hg, Sea Level, 68° F) Vacuum performance available upon request.

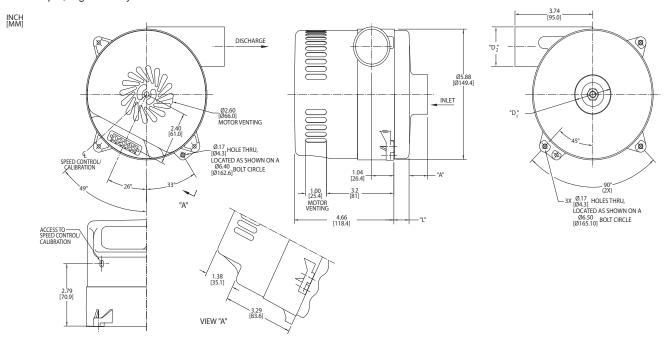


Low Voltage Brushless DC Blowers

5.7" (145mm) BLDC Bypass Blower



48 VDC Input, High Flow System



		Part/ Model Number						
Specification	Units	150414	150444	150415	150445	150416	150446	
Fan System	-	High Airflow	High Airflow	High Airflow	High Airflow	Ultra High Flow	Ultra High Flow	
Stages	-	1	1	2	2	1	1	
Input Voltage	VDC	43-53	43-53	43-53	43-53	43-53	43-53	
Man Carlad Barana	in. H2O	29.5	29.5	51.5	51.5	21.1	21.1	
Max Sealed Pressure	mbar	73.5	73.5	128.3	128.3	52.6	52.6	
NA A : 61	CFM	115.7	115.7	91.3	91.3	160.3	160.3	
Max Airflow	m3/hr	196.7	196.7	155.2	155.2	272.5	272.5	
Inlat Diameter D4	Inches	1.75	1.75	1.75	1.75	2.75	2.75	
Inlet Diameter D1	mm	44.5	44.5	44.5	44.5	69.9	69.9	
Disabassa Disabassa DO	Inches	1.75	1.75	1.75	1.75	2.50	2.50	
Discharge Diameter D2	mm	44.5	44.5	44.5	44.5	63.5	63.5	
Longth (L)	Inches	0.50	0.50	1.50	1.50	0.75	0.75	
Length (L)	mm	12.7	12.7	38.1	38.1	19.1	19.1	
Speed Control	-	Analog Spd. Cmd.	Potent. Adjust.	Analog	Potent. Adjust.	Analog	Potent. Adjust.	

Notes

- Temperature: Working Air: 0°C to 45°C, Ambient Air: 0°C to 45°C, Storage: -40°C to 85°C.
- When used as a vacuum, the blower performance might be less then shown herein, depending on the operating point.
- **Weight** = 6 lb / 2.2 Kg

Potentiometer Adjustment (Potent. Adjust.) - The specified supply voltage is applied and the speed is set by adjusting a potentiometer on the side of the blower.

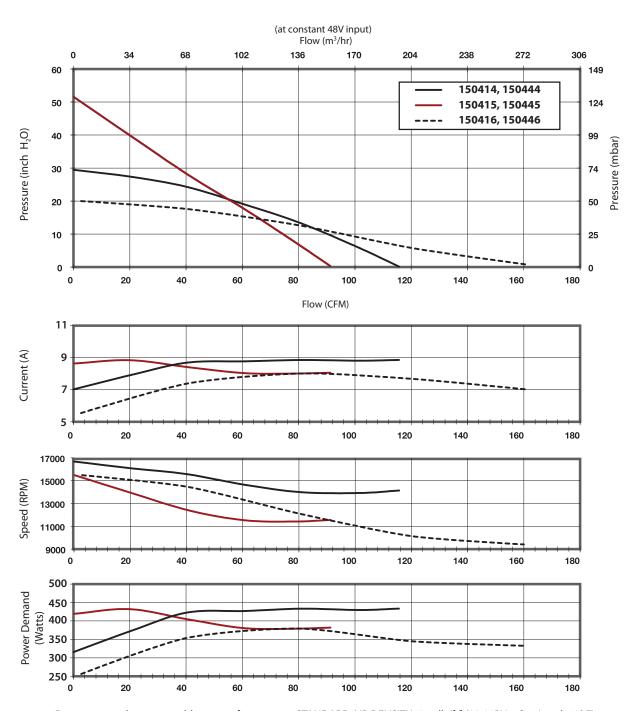
Analog Speed Command (Anlg. Spd. Cmd.) - Blower speed is proportional to an analog speed command signal. The range over which the speed command signal operates can be calibrated within 0-10V by adjusting the sensitivity potentiometer accessed through the side of the blower. The sensitivity adjustment is also useful for precisely calibrating a group of blowers to the same speed for a given operating point and command signal voltage.





48 VDC Input, High Flow System

Typical Performance



Data presented represents blower performance at STANDARD AIR DENSITY, .075 lb/ft 3 (29.92" Hg, Sea Level, 68° F) Vacuum performance available upon request.



5.7" (145mm) BLDC Thru Flow Blower

250 Watt, 120 Volt Standard Flow



33°.

EARTH GROUND

0.17

M.17

HOLE THRU,

LOCATED AS SHOWN ON

Ø6.40 [Ø162.6] BOLT CIRCLE

SEE DETAIL "E" OR "M" NEUTRAL AC INPUT VOLTAGE 108V-132 ATED SPEED HIGH NEUTRAL AC INPUT VOLTAGE LINE 108V-132V INCH DIC REQUIRED LOW - PIN NOT USED -PIN NOT USED ACCESS TO— SPEED CONTROL/ CALIBRATION DETAIL "E" DETAIL "M' (ELECTRICAL) (MECHANICAL) 1.15 POWER/CONTROL CONNECTION DETAILS PRESSURE TAP OPTION ACCESS TO POST HEADER 3.74 DISCHARGE SPEED CONTROI CALIBRATION INLET 2.37 [60.2] Ø5.90 [Ø150.0] 3X 90° MAX. Ø1.25 [Ø31.8] **(** 1 Ø 4X 0.17 HOLES THRU,— LOCATED AS SHOWN ON 06.50 [0165.10] BOLT CIRCLE 3X Ø.48 _ [Ø12.2]

		Part/ Model Number							
Specification	Units	116626	116629	116627	116630				
Stages	-	1	1	2	2				
Max Sealed Vacuum	in. H2O	28.4	28.4	50.0	50.0				
wax Sealed vacuum	mbar	70.7	70.7	124.6	124.6				
M 0 1 15	in. H2O	29.3	29.3	50.6	50.6				
Max Sealed Pressure	mbar	73	73	126	126				
M El D	CFM	64.5	64.5	66	66				
Max Flow Rate	m3/hr	109.7	109.7	112.2	112.2				
anath (I)	Inches	0.69	0.69	1.60	1.60				
_ength (I)	mm	17.5	17.5	40.6	40.6				
anath (I)	Inches	3.16	3.16	4.07	4.07				
Length (L)	mm	80.3	80.3	103.4	103.4				
Speed Control	-	Mechanical	Electrical	Mechanical	Electrical				

.75 [19.1]

Notes:

Input Voltage Range: 108-132 Volts AC RMS, 50/60 Hz., Single Phase.

3X Ø.23 HOLES [Ø5.8] HOLES [9.4] DEEP MINIMUM

EQUALLY SPACED AS SHOWN ON A Ø4.00 BOLT CIRCLE [Ø101.6]

- Input Current: 5 amps AC RMS
- Operating Temperature (Ambient Air and Working Air): 0° C to 50° C
- Storage Temperature: -40 $^{\circ}$ C to 85 $^{\circ}$ C
- Dielectric Testing: 1500 Volts AC RMS 60 Hz applied for one second between input pins and ground, 3mA leakage maximum.
- Speed Control: E (Electrical) Pulse Width Modification or Analog input voltage (user supplied), 0 to 10 Volts DC, 10mA maximum, 3 to 15 Volts DC. Access to sensitivity adjustment for 0 to 10 VDC speed control. (Ref. pin connection).
 - M (Mechanical): A potentiometer is available for speed control of the blower. The potentiometer can be preset for a specific speed. Access for speed adjustment located in blower housing.
- Approximate Weight: 6 Lbs. / 2.2 Kg.
- Regulatory Agency Certification: Underwriters Laboratories, Inc. qualified per UL507 under File E-94403. Canadian Standards Association qualified per C22.2#113 under File LR 43448.
- Miscellaneous: Intake and exhaust tubes, all cooling ducts and vents must not be obstructed. Intake and exhaust must be free of grease, oil and foreign particles. Amp housing 640250-6 w/SL-156 contacts (suppied by customer) mates with post header assembly.

Mating harness available upon request.

Optional IntelliGenTM controller available for customized performance and features including: tachometer output card; Universal AC input (100V-240V).

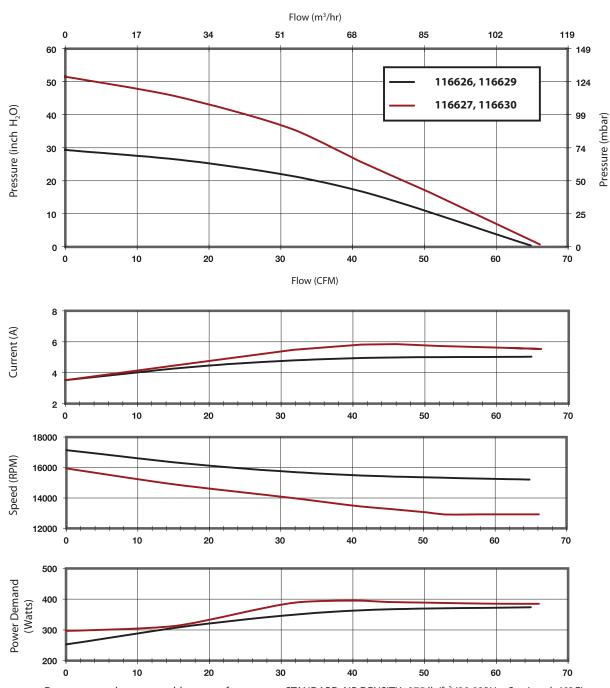
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250 Watt, 120 Volt Standard Flow

Typical Performance



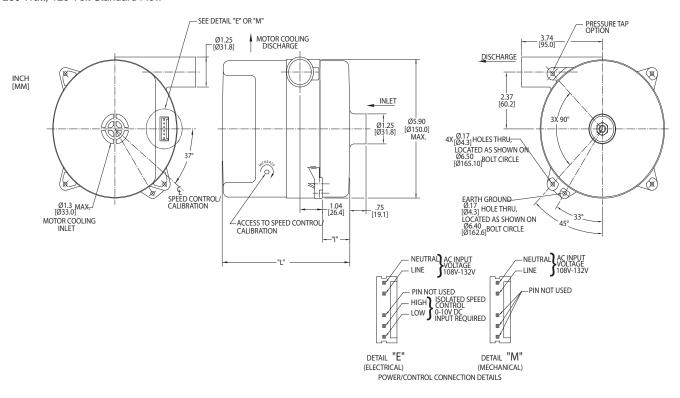
Data presented represents blower performance at STANDARD AIR DENSITY, .075 lb/ft 3 (29.92" Hg, Sea Level, 68° F) Vacuum performance available upon request.



5.7" (145mm) BLDC Bypass Blower

250 Watt, 120 Volt Standard Flow





		Part/ Model Number						
Specification	Units	116634	116640	116633	116639	116632	116638	
Stages	-	1	1	2	2	3	3	
Max Sealed Vacuum	in. H2O	29.5	29.5	40.1	40.1	78.4	78.4	
Max Sealed Vacuum	mbar	73.5	73.5	99.9	99.9	195.3	195.3	
	in. H2O	30.4	30.4	41.3	41.3	80.5	80.5	
Max Sealed Pressure	mbar	75.7	75.7	102.9	102.9	200.5	200.5	
May Flaw Data	CFM	75.9	75.9	65.6	65.6	56.4	56.4	
Max Flow Rate	m3/hr	129	129	111.5	111.5	95.9	95.9	
Langth (I)	Inches	0.33	0.33	1.25	1.25	2.14	2.14	
Length (I)	mm	8.4	8.4	31.8	31.8	54.4	54.4	
Langth (L)	Inches	5.08	5.08	6.35	6.35	6.89	6.89	
Length (L)	mm	129	129	161.3	161.3	175	175	
Speed Control	-	Mechanical	Electrical	Mechanical	Electrical	Mechanical	Electrical	

Notes:

- Input Voltage Range: 108-132 Volts AC RMS, 50/60 Hz., Single Phase.
- Input Current: 5 amps AC RMS
- Operating Temperature (Ambient Air and Working Air): 0° C to 50° C
- Storage Temperature: -40 $^{\circ}$ C to 85 $^{\circ}$ C
- Dielectric Testing: 1500 Volts AC RMS 60 Hz applied for one second between input pins and ground, 3mA leakage maximum.
- Speed Control: E (Electrical) Pulse Width Modification or Analog input voltage (user supplied), 0 to 10 Volts DC, 10mA maximum, 3 to 15 Volts DC. Access to sensitivity adjustment for 0 to 10 VDC speed control. (Ref. pin connection).
 - M (Mechanical): A potentiometer is available for speed control of the blower. The potentiometer can be preset for a specific speed. Access for speed adjustment located in blower housing.
- Approximate Weight: 6 Lbs. / 2.2 Kg.
- Regulatory Agency Certification: Underwriters Laboratories, Inc. qualified per UL507 under File E-94403. Canadian Standards Association qualified per C22.2#113 under File LR 43448.
- Miscellaneous: Intake and exhaust tubes, all cooling ducts and vents must not be obstructed. Intake and exhaust must be free of grease, oil and foreign particles. Amp housing 640250-6 w/SL-156 contacts (supplied by customer) mates with post header assembly.

Mating harness available upon request.

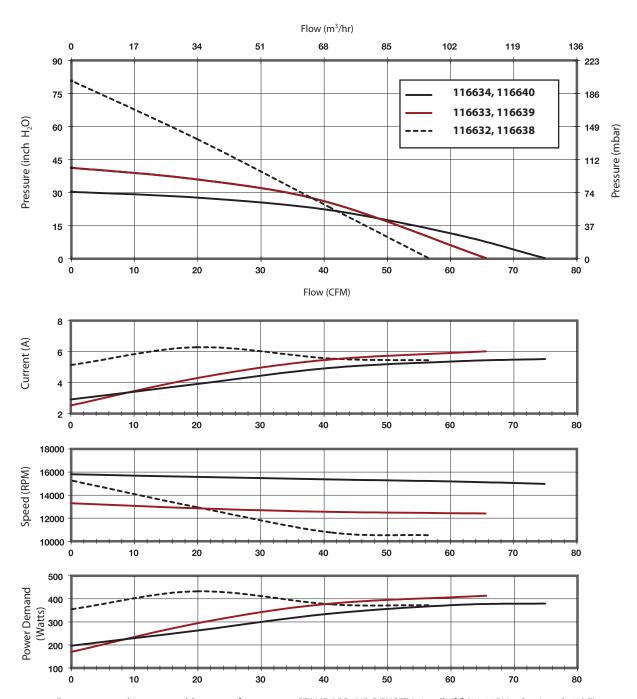
Optional IntelliGenTM controller available for customized performance and features including: tachometer output card; Universal AC input (100V-240V).





250 Watt, 120 Volt Standard Flow

Typical Performance



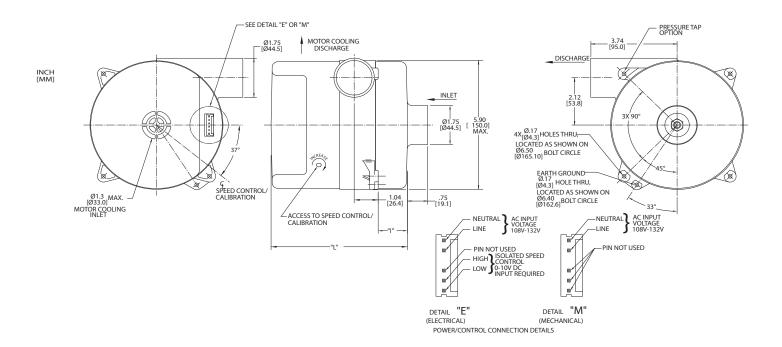
Data presented represents blower performance at STANDARD AIR DENSITY, .075 lb/ft 3 (29.92" Hg, Sea Level, 68° F) Vacuum performance available upon request.



5.7" (145mm) BLDC Bypass Blower

250 Watt, 120 Volt High Flow





		Part/ Model Number						
Specification	Units	116637	116643	116636	116642	116635	116641	
Stages	-	1	1	2	2	3	3	
Max Sealed Vacuum	in. H2O	25.2	25.2	49.7	49.7	67.2	67.2	
Max Sealed Vacuum	mbar	62.8	62.8	123.8	123.8	167.4	167.4	
Max Sealed Pressure	in. H2O	26.0	26.0	51.2	51.2	69.3	69.3	
Max Sealed Pressure	mbar	64.8	64.8	127.5	127.5	172.6	172.6	
May Flaw Data	CFM	130.5	130.5	103.9	103.9	82.3	82.3	
Max Flow Rate	m3/hr	221.9	221.9	176.6	176.6	139.9	139.9	
Longth (I)	Inches	0.47	0.47	1.53	1.53	2.53	2.53	
Length (I)	mm	11.9	11.9	38.9	38.9	64.3	64.3	
Longth (L)	Inches	5.22	5.22	6.27	6.27	7.28	7.28	
Length (L)	mm	132.6	132.6	159.3	159.3	184.9	184.9	
Speed Control	-	Mechanical	Electrical	Mechanical	Electrical	Mechanical	Electrical	

Notes:

- Input Voltage Range: 108-132 Volts AC RMS, 50/60 Hz., Single Phase.
- Input Current: 5 amps AC RMS
- Operating Temperature (Ambient Air and Working Air): 0° C to 50° C
- Storage Temperature: -40° C to 85° C
- Dielectric Testing: 1500 Volts AC RMS 60 Hz applied for one second between input pins and ground, 3mA leakage maximum.
- Speed Control: E (Electrical) Pulse Width Modification or Analog input voltage (user supplied), 0 to 10 Volts DC, 10mA maximum, 3 to 15 Volts DC. Access to sensitivity adjustment for 0 to 10 VDC speed control. (Ref. pin connection).
 - M (Mechanical): A potentiometer is available for speed control of the blower. The potentiometer can be preset for a specific speed. Access for speed adjustment located in blower housing.
- Approximate Weight: 6 Lbs. / 2.2 Kg.
- Regulatory Agency Certification: Underwriters Laboratories, Inc. qualified per UL507 under File E-94403. Canadian Standards Association qualified per C22.2#113 under File LR 43448.
- Miscellaneous: Intake and exhaust tubes, all cooling ducts and vents must not be obstructed. Intake and exhaust must be free of grease, oil and foreign particles. Amp housing 640250-6 w/SL-156 contacts (suppied by customer) mates with post header assembly.

Mating harness available upon request.

Optional IntelliGenTM controller available for customized performance and features including: tachometer output card; Universal AC input (100V-240V).

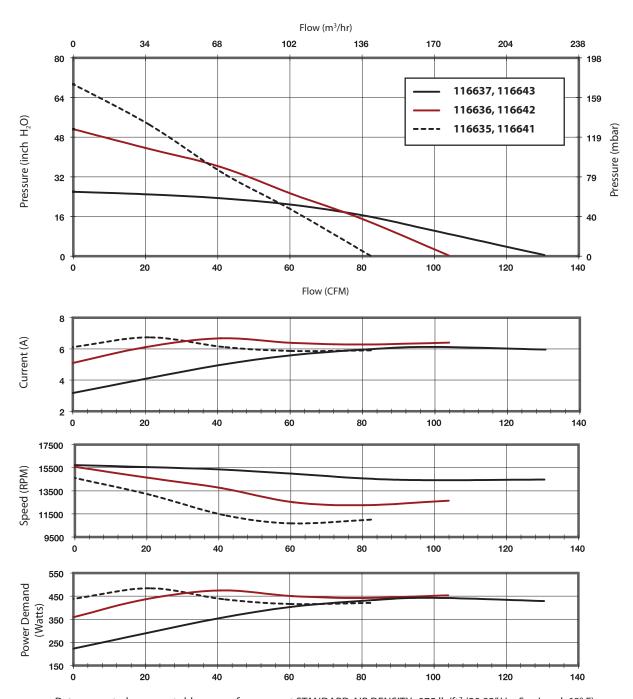
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250 Watt, 120 Volt High Flow

Typical Performance



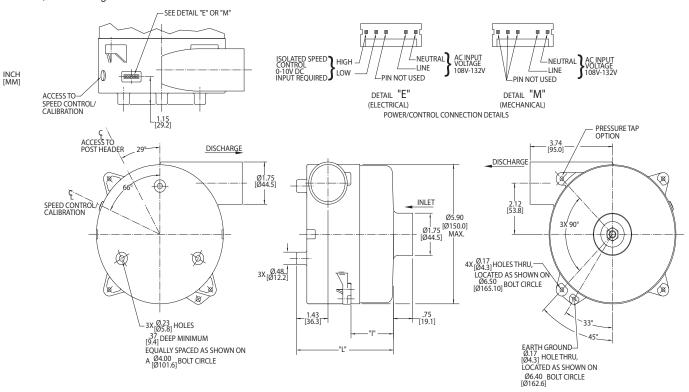
Data presented represents blower performance at STANDARD AIR DENSITY, .075 lb/ft 3 (29.92" Hg, Sea Level, 68° F) Vacuum performance available upon request.



5.7" (145mm) BLDC Thru Flow Blower



250 Watt, 120 Volt High Flow



		Part/ Model Number							
Specification	Units	116644 M	116647 E	116645 M	116648 E				
Stages	-	1	1	2	2				
Max Sealed Vacuum	in. H2O	26.5	26.5	46.7	46.7				
Iviax Sealed vacuum	mbar	66	66	116.3	116.3				
Max Sealed Pressure	in. H2O	27.3	27.3	48.1	48.1				
Iviax Sealed Flessule	mbar	68	68	119.8	119.8				
Max Flow Rate	CFM	130.5	130.5	98.2	98.2				
IVIAX FIOW Rate	m3/hr	221.9	221.9	166.9	166.9				
Length (I)	Inches	0.76	0.76	1.81	1.81				
Lengin (i)	mm	19.3	19.3	46	46				
Longth (L)	Inches	3.23	3.23	4.28	4.28				
Length (L)	mm	82	82	108.7	108.7				
Speed Control	-	Mechanical	Electrical	Mechanical	Electrical				

Notes:

- Input Voltage Range: 108-132 Volts AC RMS, 50/60 Hz., Single Phase.
- Input Current: 5 amps AC RMS
- Operating Temperature (Ambient Air and Working Air): 0° C to 50° C
- Storage Temperature: -40 $^{\circ}$ C to 85 $^{\circ}$ C
- Dielectric Testing: 1500 Volts AC RMS 60 Hz applied for one second between input pins and ground, 3mA leakage maximum.
- Speed Control: E (Electrical) Pulse Width Modification or Analog input voltage (user supplied), 0 to 10 Volts DC, 10mA maximum, 3 to 15 Volts DC. Access to sensitivity adjustment for 0 to 10 VDC speed control. (Ref. pin connection).
 - M (Mechanical): A potentiometer is available for speed control of the blower. The potentiometer can be preset for a specific speed. Access for speed adjustment located in blower housing.
- Approximate Weight: 6 Lbs. / 2.2 Kg.
- Regulatory Agency Certification: Underwriters Laboratories, Inc. qualified per UL507 under File E-94403. Canadian Standards Association qualified per C22.2#113 under File LR 43448.
- Miscellaneous: Intake and exhaust tubes, all cooling ducts and vents must not be obstructed. Intake and exhaust must be free of grease, oil and foreign particles. Amp housing 640250-6 w/SL-156 contacts (suppied by customer) mates with post header assembly.

Mating harness available upon request.

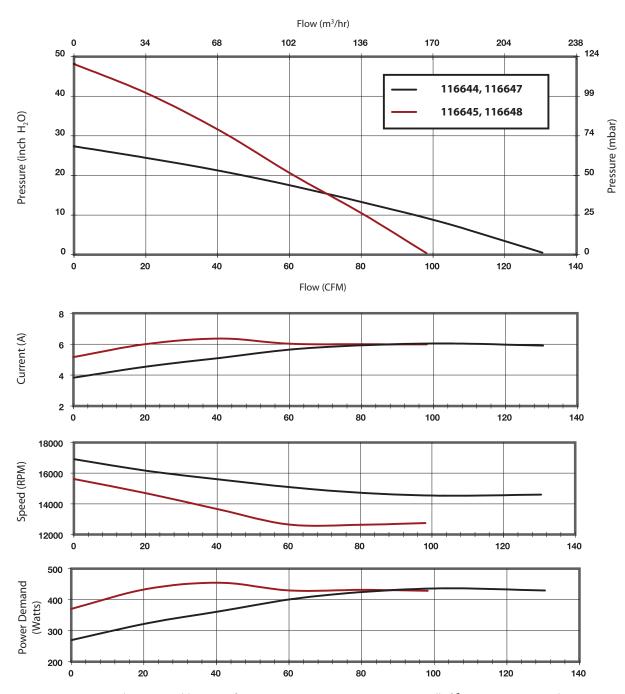
Optional IntelliGenTM controller available for customized performance and features including: tachometer output card; Universal AC input (100V-240V).





250 Watt, 120 Volt High Flow

Typical Performance



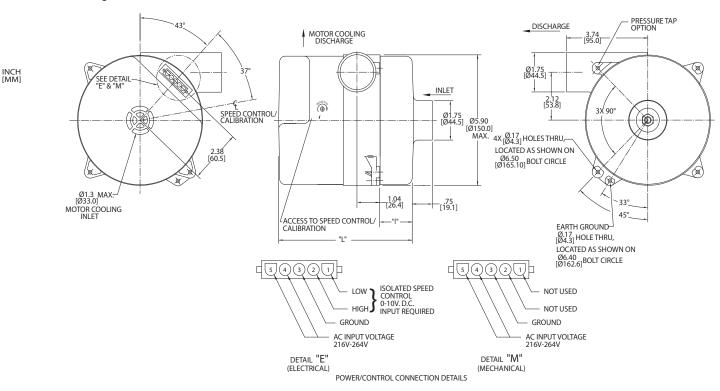
Data presented represents blower performance at STANDARD AIR DENSITY, .075 lb/ft 3 (29.92" Hg, Sea Level, 68° F) Vacuum performance available upon request.



5.7" (145mm) BLDC Bypass Blower

400 Watt, 240 Volt High Flow





				Part/ Mod	el Number		
Specification	Units	117637	117643	117636	117642	117635	117641
Stages	-	1	1	2	2	3	3
Max Sealed Vacuum	in. H2O	22	22	39	39	53	53
IMAX Sealed Vacuum	mbar	54.8	54.8	97.1	97.1	132	132
Max Sealed Pressure	in. H2O	24	24	45	45	61	61
Max Sealed Pressure	mbar	59.8	59.8	112.1	112.1	152	152
Max Flow Rate	CFM	106	106	95	95	90	90
Max Flow Rate	m3/hr	180.2	180.2	161.5	161.5	153	153
Langth (I)	Inches	.47	.47	1.53	1.53	2.53	2.53
Length (I)	mm	11.9	11.9	38.9	38.9	64.3	64.3
Longth (L)	Inches	5.22	5.22	6.27	6.27	7.28	7.28
Length (L)	mm	132.6	132.6	159.3	159.3	184.9	184.9
Speed Control	-	Mechanical	Electrical	Mechanical	Electrical	Mechanical	Electrical













- **Notes:** Input Voltage Range: 216-264 Volts AC RMS, 50/60 Hz., Single Phase. • Input Current: 5 amps AC RMS
- Operating Temperature (Ambient Air and Working Air): 0° C to 50° C
- Storage Temperature: -40° C to 85° C
- Dielectric Testing: 1800 Volts AC RMS 60 Hz applied for one second between input pins and ground, 3mA leakage maximum.
- Speed Control: E (Electrical) Pulse Width Modification or Analog input voltage (user supplied), 0 to 10 Volts DC, 10mA maximum, 3 to 15 Volts DC. Access to sensitivity adjustment for 0 to 10 VDC speed control. (Ref. pin connection).
 - M (Mechanical): A potentiometer is available for speed control of the blower. The potentiometer can be preset for a specific speed. Access for speed adjustment located in blower housing.
- Approximate Weight: 6 Lbs. / 2.2 Kg.
- Regulatory Agency Certification: Underwriters Laboratories, Inc. qualified per UL507 under File E-94403. Canadian Standards Association qualified per C22.2#113 under File LR 43448.
- Miscellaneous: Intake and exhaust tubes, all cooling ducts and vents must not be obstructed. Intake and exhaust must be free of grease, oil and foreign particles. Amp housing 350809-1 with sockets for 18 awg lead wire (suppied by customer) mates with post header assembly. Mating harness available upon request.

Optional IntelliGen™ controller available for customized performance and features including; tachometer output card; Universal AC input (100V-240V).

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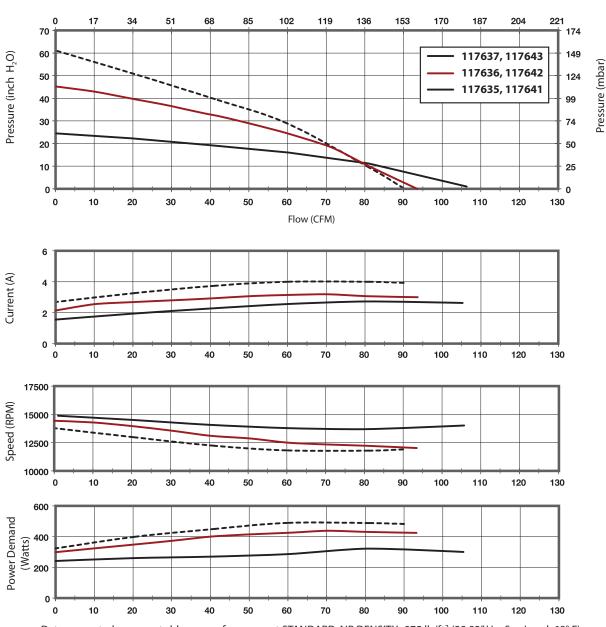




400 Watt, 240 Volt High Flow

Typical Performance

Flow (m³/hr)

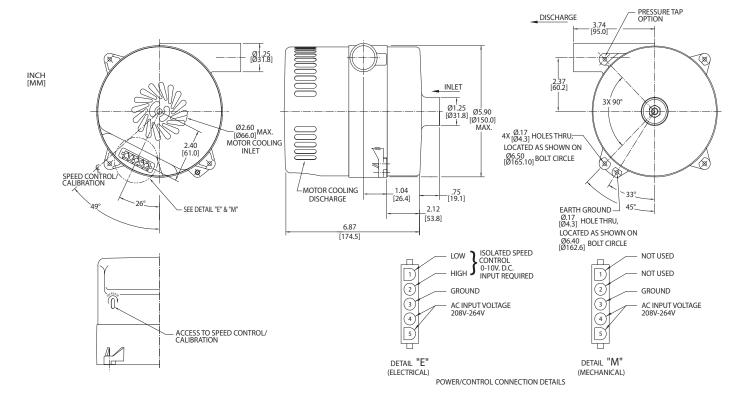


Data presented represents blower performance at STANDARD AIR DENSITY, .075 lb/ft³ (29.92" Hg, Sea Level, 68° F) Vacuum performance available upon request.

5.7" (145mm) BLDC Bypass Blower

1200 Watt, 240 Volt Standard Flow - IntelliGen (TM)





		Part/ Model Number				
Specification	Units	117416	117415			
Stages	-	3	3			
M 0 1 1)/	in. H2O	154	154			
Max Sealed Vacuum	mbar	383.6	383.6			
Max Sealed Pressure	in. H2O	169	169			
Iviax Sealed Pressure	mbar	421	421			
May Flaw Data	CFM	87	87			
Max Flow Rate	m3/hr	147.9	147.9			
Speed Control	-	Mechanical	Electrical			







Notes:

- Input Voltage Range: 208-264 Volts AC RMS, 50/60 Hz., Single Phase, maximum running current 10 Amps RMS.
- Note: Although this unit contains a lock-out feature that detects low voltage conditions, the electronics should not be operated continuously below the input voltage range listed above.
- Operating Temperature (Ambient Air and Working Air): 0° C to 50° C
- Storage Temperature: -40° C to 85° C (Internal electronic controller is thermally protected).
- Dielectric Testing: 1800 Volts AC RMS 60 Hz applied for one second between input pins and ground, 3mA leakage maximum.
- Isolated Speed Control:

Analog Input Voltage Range: 2 to +10 VDC nominal (+13.5 VDC maximum).

Digital Pulse Input: 400 Hz to 20 KHz, 0 to +10 volt pulse nominal, minimum duty cycle 10%, 0 to +13.5 volt maximum. Note: Setting of onboard potentiometer can effect control voltage range and maximum speed can be attained before reaching 10 VDC

- Speed Control Input Current: 5 mA to 20mA at 10 Volts input with multi-turn potentiometer set to minimum resistance (fully clockwise).
- Speed Control Drift with Temperature:

Analog Mode: Typ. +-4% from nominal speed at +23 C.

Digital or Direct Mode: Typ. +-4% from nominal speed at 23 C.

- Approximate Weight: 6 Lbs. / 2.2 Kg.
- Regulatory Agency Certification: Underwriters Laboratories, Inc. qualified per UL507 under File E-94403. Canadian Standard Association qualified per C22.2#113 under File LR 43448.
- Miscellaneous: Intake and exhaust tubes, all cooling ducts and vents must not be obstructed. Intake and exhaust must be free of grease, oil and foreign particles. Amp housing 350809-1 with male pins on 16 awg lead wire (suppied by customer) mates with post header assembly. Mating harness available upon request.

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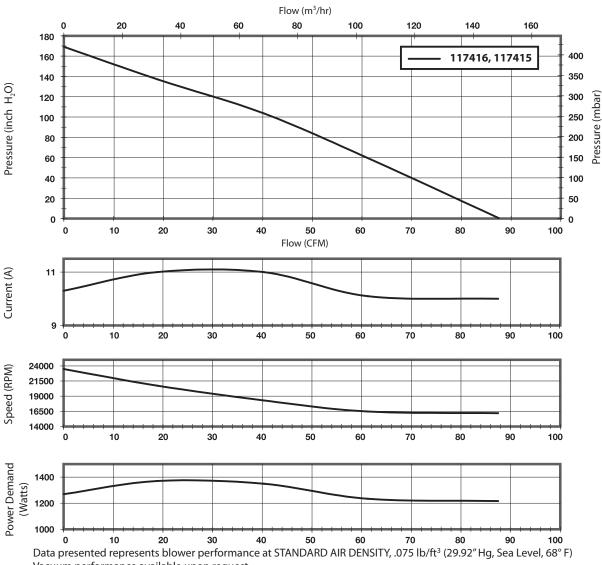


5.7" (145mm) BLDC Bypass Blower



1200 Watt, 240 Volt Standard Flow - IntelliGen (TM)

Typical Performance



Vacuum performance available upon request.

INSTALLATION:

- The blower must be secured using mounting tabs, prior to applying power. This is a high speed device with rapid acceleration.
- · Connections:

All of the Windjammer IntelliGen™ series blowers have a standard 5 pin connector.

A mating connector with leads is supplied with single pack units only. Negative pressure applications will exhibit reduced performance.

Exhaust air must be prohibited from being recycled to inlet air.

If blower is to be cycled frequently, the DC speed command should be used.

For use in industrial applications, use AMETEK Technical & Industrial Products cooling air filters.

- Note: Utilize AMETEK external EMC filter accessory to meet EN61000-4-6 requirement.

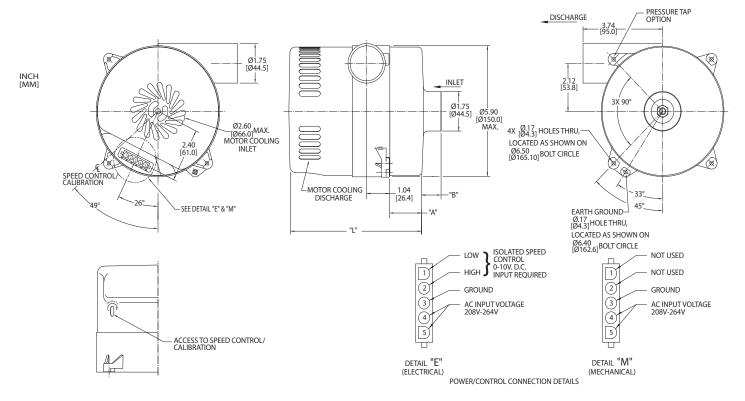
 Option Circuit Connections: Please consult with AMETEK for connection details for all options and custom circuitry.
- Utilizes AMETEK's IntelliGen[™] control electronics.



5.7" (145mm) BLDC Bypass Blower

1200 Watt, 240 Volt High Flow - IntelliGen (TM)





		Part/ Model Number						
Specification	Units	119152	119151	119154	119153	119156	119155	
Flow	-	High Flow	High Flow	High Flow	High Flow	High Flow	Ultra High Flow	
Stages	-	1	1	2	2	3	1	
Max Sealed Vacuum	in. H2O	46	46	80	80	119	42	
wax Sealed vacuum	mbar	114.6	114.6	199.3	199.3	296.4	104.6	
Max Sealed Pressure	in. H2O	56	56	111	111	130	45	
Max Sealed Pressure	mbar	139.5	139.5	276.5	276.5	323.8	112.1	
Max Flow Rate	CFM	180	180	140	140	113	268	
Max Flow Rate	m3/hr	306	306	238	238	192.1	455.6	
Inlat/Outlet Diameter	Inches	1.75	1.75	1.75	1.75	1.75	2.75/2.50	
Inlet/Outlet Diameter	mm	44.5	44.5	44.5	44.5	44.5	69.9/63.5	
Longth (I)	Inches	.47	.47	1.58	1.58	1.19	0.71	
Length (I)	mm	11.9	11.9	40.1	40.1	30.2	18	
Langth (L)	Inches	5.13	5.13	6.19	6.19	7.17	5.37	
Length (L)	mm	130.3	130.3	157.2	157.2	182.1	136.4	
Speed Control	-	Mechanical	Electrical	Mechanical	Electrical	Electrical	Electrical	

Notes:

- Input Voltage Range: 216-264 Volts AC RMS, 50/60 Hz., Single Phase, maximum running current 10 Amps RMS.
- Note: Although this unit contains a lock-out feature that detects low voltage conditions, the electronics should not be operated continuously below the input voltage range listed above Operating Temperature (Ambient Air and Working Air): 0° C to 50° C
- Storage Temperature: -40° C to 85° C (Internal electronic controller is thermally protected).
- Dielectric Testing: 1800 Volts AC RMS 60 Hz applied for one second between input pins and ground, 3mA leakage maximum. Isolated Speed Control:

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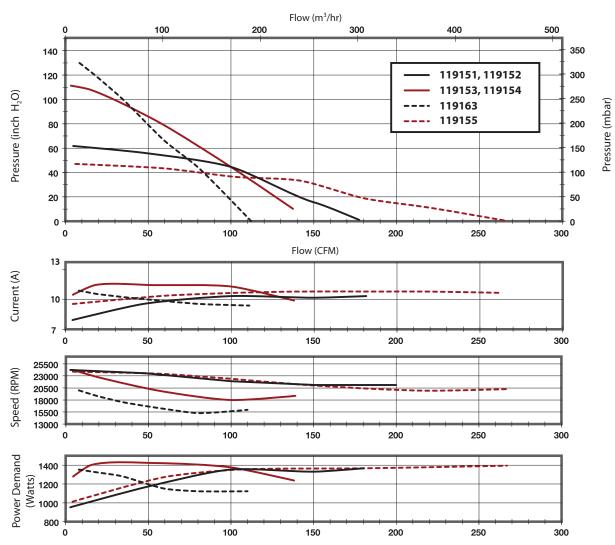
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1200 Watt, 240 Volt High Flow - IntelliGen (TM)

Typical Performance



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Note: Utilize AMETEK external EMC filter accessory to meet EN61000-4-6 requirement.

- Option Circuit Connections: Please consult with AMETEK for connection details for all options and custom circuitry.
- Utilizes AMETEK's IntelliGen™ control electronics.

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AMETEK, Inc.

AMETEK is a leading global manufacturer of electronic instruments and electromechanical devices with annualized sales of more than \$2.5 billion. AMETEK has nearly 11,000 colleagues working at more than 80 manufacturing facilities and more than 60 sales and service centers in the United States and over 30 other countries around the world.

AMETEK Technical & Industrial Products (TIP)

AMETEK Technical & Industrial Products is a world leader in motors, blowers and pumps for masstransit, medical, business machine and computer applications. It also is a leader in regenerative blowers for pressure and vacuum applications used by broad range of industries.

AMETEK supports its customers globally from its manufacturing facilities in Minnesota, New York, North Carolina, Ohio, Pennsylvania, Italy and China. Our brushless DC motors, blowers, controllers, pumps, and fans are ideally suited for a wide range of applications, including medical instruments, robotics, pumps, compressors, office equipment, fans, machine tools, tape drives, or any other precise rotary motion/air delivery applications.

Technical & Industrial Products' product line of regenerative blowers for pressure and vacuum applications services the process, industrial, environmental, waste, and wastewater industrial industry. Typical applications areas include solution agitation and aeration, pneumatic conveying, part hold-down and pick up, part blow off, gas and fume extraction, and process gas handling.

AMETEK Technical & Industrial Products supplies the solution for unique performance, mounting, environmental and agency requirements.





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