Simx

COMMERCIAL FAN CATALOGUE

Air Movement Products
and Expertise

As a leading supplier to the Australian and New Zealand HVAC industry for nearly 30 years, Simx is committed to growing and developing the commercial and industrial fan range. Trusted by HVAC industry professionals, the Alaskon brand denotes quality, service and reliability.

Simx Limited is a privately owned New Zealand company, employing over 70 highly valued team members. Our close alliance with overseas and local suppliers establishes the company as a truly independent and credible supplier of a vast range of electrical ventilation products. The acquisition of the business assets of Alaskon Aira provides many exciting opportunities. Alaskon are an established New Zealand manufacturer and supplier of large commercial and industrial fans for the mechanical services market. The joining of these two companies brings some great benefits to the New Zealand HVAC market, with the merging of the expertise of the Alaskon and Simx teams bringing an increased product offering and better technical support for the commercial and industrial large fan market.

The Alaskon name has been in the NZ market for over 40 years now, and the plan is for it to continue as a brand within the Simx business. Alaskon continues to stand for the best in quality, reliability, performance and technical support. We're really looking forward to what we can achieve in terms of range extension and working with the latest developments in EC fan technology with low sound levels, to give the best technical offering in our market. In simple terms the key objective is to stay flexible and continue to grow by offering the latest and best air movement solutions available in the New Zealand market.

The Simx commitment to customers and suppliers is reflected in our expanding national representatives network. Our investment in two purpose built logistics centres covering the North and South Island lay the foundation for future growth. Established in 1993, we consider our branch in Christchurch to be of key strategic importance. Investment in our supply chain is considered imperative to ensure our service is second to none in the market. We are proud to bring high levels of customer service to both New Zealand and Australian customers.

Simx

alaskon

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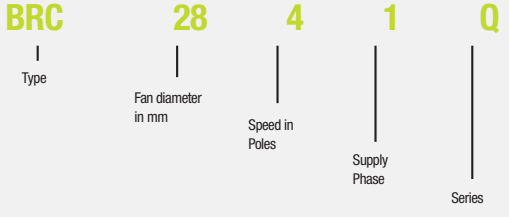
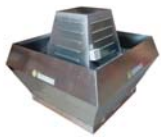
COMMERCIAL FANS

Model number description



ROOF MOUNTED FANS

SELECTION OVERVIEW

			
Model	**BRC-Q & BRS-Q**	**BRM-Q**	**BRM-C**
Type	**Centrifugal Extract & Supply Fans**	**Centrifugal Extract Fans**	**Centrifugal Extract Fans**
Operation	• BRC-Q - Side discharge • BRS-Q - Side input	• Vertical discharge	• Vertical discharge
Sizes	• 1 phase - 190mm - 560mm • 3 phase - 355mm - 630mm	• 1 phase - 355mm - 560mm • 3 phase - 355mm - 630mm	• 3 phase - 355mm - 630mm
Features	• Roof curb installation • Ziehl-Abegg Vpro low sound aerofoil impeller • High aerodynamic efficiency • No tonal noise • Sealed for life ball bearings	• Roof curb installation • Ziehl-Abegg Vpro low sound aerofoil impeller • High aerodynamic efficiency • Low tonal noise • Sealed for life ball bearings	• Full metal construction • Aluminium backward curve centrifugal impeller • High aerodynamic efficiency • Low tonal noise • Sealed for life ball bearings
Cowling	• 1 phase - UV stabilised Rovel polymer • 3 phase - UV stabilised Rovel polymer or fibreglass	• Galvanised sheet steel	• Galvanised sheet steel
Speed Control	• 1 phase - Electronic or autotransformer voltage regulation • 3 phase - Electronic, autotransformer voltage regulation or variable speed drive	• 1 phase - Electronic or autotransformer voltage regulation • 3 phase - Autotransformer voltage regulation or variable speed drive	• Variable speed drive
Motor	• 1 phase - 1921Q and 2221Q fans fitted with three speed motors • 3 phase - Two speed star/delta	• 3 phase - Two speed star/delta external rotor	• TEFC motor positioned out of air stream
IP Rating	• IP54	• IP54	• IP55
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Model		**BTE-Q**	**BRA-CO**
Type	**Thru-Roof Extract & Supply Fans**	**Centrifugal Extract Fan Tubes**	**Relief Air Cowls**
Operation	• Extract or Supply	• Extract	
Sizes		• 1 phase - 190mm - 280mm	• 200mm - 1000mm
Features	• Reversible fan section orientation for extract or supply options • Fan Kit options complete with: - cowling (with or without fan incorporated) - mounting tubes - aquaseal roof flashing - power lead flashing.	• Roof tube mounting • Ziehl-Abegg Vpro low sound aerofoil impeller • High efficiency • No tonal noise • Sealed for life ball bearings	• Bird mesh fitted as standard.
Cowling	• High quality ASA plastic	• UV-stabilised polymer or spun aluminium	• 200mm to 450mm - UV stabilised Rovel polymer • 500mm to 1000mm - UV resistant fibreglass
Speed Control	• Electronic or autotransformer voltage regulation	• Electronic or autotransformer voltage regulation	
Motor	• External rotor	• 1521Q and 2021Q fans fitted with three speed motors	
IP Rating	• IP44	• IP44	
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ROOF MOUNTED FANS

SELECTION OVERVIEW

		
Model	**BRA & BRA-S**	**BRV**
Type	**Axial Extract & Supply Fans**	**Axial Extract Fans**
Operation	• BRA - Side discharge • BRA-S - Side input	• Vertical discharge
Sizes	• BRA • 1 phase - 250mm - 630mm • 3 phase - 560mm - 800mm • BRAS • 1 phase - 250mm - 630mm • 3 phase - 560mm - 100mm	• 3 phase - 560mm - 800mm
Features	• General purpose applications: - factories - warehouses - gymnasiums - large retail spaces • Suitable for moderate air volume and low pressure situations • 1 phase - External rotor motorised impeller • 3 phase - Axial flow aerofoil impeller • Sealed for life ball bearings	• Axial flow aerofoil impeller • Full metal construction • Sealed for life ball bearings • Smoke spill version available
Cowling	• 1 phase - UV stabilised Rovel polymer or polyethylene • 3 phase - UV stabilised fibreglass	• Galvanised steel
Speed Control	• 1 phase - Electronic or autotransformer voltage regulation • 3 phase - Variable speed drive	• Variable speed drive
IP Rating	• 1 phase - IP54 • 3 phase - IP55	• IP55
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DUCT MOUNTED INLINE FANS

SELECTION OVERVIEW

			
Model	**BIQ-Q**	**BAF**	**BAX**
Type	**Boxed Centrifugal Extract & Supply**	**Flanged Axial Extract Fans**	**Cased Axial Extract Fans**
Operation			
Sizes	• 1 phase - 250mm - 560mm • 3 phase - 355mm - 630mm	• 1 phase - 250mm - 630mm	• 3 phase - 315mm - 1000mm
Features	• Suitable for moderate pressure and flow situations • Ziehl-Abegg Vpro low sound aerofoil impeller • High aerodynamic efficiency • No tonal noise • Sealed for life ball bearings	• General purpose applications • Suitable for moderate air volume and low pressure situations • External rotor motorised impeller • Sickle shaped low sound impeller • Sealed for life ball bearings.	• Suitable for general air movement applications • Axial flow aerofoil impeller
Case	• Galvanised steel	• Galvanised steel	• Hot dipped galvanised steel
Speed Control	• 1 phase - Electronic or autotransformer voltage regulation • 3 phase - Electronic, autotransformer voltage regulation or variable speed drive	• Electronic or autotransformer voltage regulation	• Variable speed drive
Motor	• 3 phase - Two speed star/delta	• External rotor	• TEFC
IP Rating	• IP54	• IP54	• IP55
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DUCT MOUNTED INLINE FANS

SELECTION OVERVIEW

			
Model	**KD**	**IMF**	**K-Series**
Type	**Cased Mixed Flow Extract Fans**	**Mixed Flow Arctic Fans**	**Centrifugal Extract Fans**
Operation			
Sizes	• 1 & 3 phase - 250mm - 500mm	• 1 phase - 150mm - 315mm	• 1 phase
Features	• High quality external rotor ball bearing motors • Suitable for high airflows with low relative noise applications • Integrated thermal contacts • Brackets supplied	• General purpose applications: - offices - toilets - apartments - small retail spaces • Suitable for moderate air volume and low pressure situations • Sealed for life ball bearings	• High efficiency backward curved motorised impeller. • Suitable for outdoor applications. • Full metal construction • Sealed for life ball bearings
Case	• Powder coated metal	• ABS plastic	• Galvanised metal
Speed Control	• 1 phase - Electronic or autotransformer voltage regulation • 3 phase - Autotransformer	• Electronic or autotransformer voltage regulation	• Electronic or autotransformer voltage regulation
Motor	• External rotor		• External rotor
IP Rating		• IP44	• IP44
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Model	**Simx WhisperVent**
Type	**Low Profile Centrifugal Fans**
Operation	
Sizes	• 1 phase - 150mm
Features	• Backward curved centrifugal motorised impeller. • Suitable for domestic and commercial applications, • Easy installation in confined spaces. • Sealed for life ball bearings
Case	• Plastic
Speed Control	• Electronic or autotransformer voltage regulation • On-board switch for three speed operation selection
Motor	• External rotor
IP Rating	• IP44
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PLATE & WALL MOUNTED FANS

SELECTION OVERVIEW

		
Model	**BAP**	**Simx**
Type	**Axial Plate Mounted Extract Fans**	**External Wall Mounted Extract Fans**
Operation		
Sizes	• 1 phase - 250mm - 630mm	• 1 phase - 150mm • 1 phase 3 speed - 150mm
Features	• General purpose applications • Suitable for moderate air volume and low pressure situations • External rotor motorised impeller • Standard airflow in Form A. Form B on request	• Residential and light commercial applications • Suitable where high performance, low noise solution is required • Specific applications include apartments where space is limited
Case	• Powder coated metal	• Powder coated metal
Speed Control	• Electronic or autotransformer voltage regulation	• Electronic or autotransformer voltage regulation
Motor	• External rotor	• External rotor
IP Rating	• IP44	• IP44
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CORROSION RESISTANT FANS

SELECTION OVERVIEW

		
Model	**SEAT**	**STORM**
Type	**Polypropylene Fans**	**Polypropylene Fans**
Operation		
Sizes	• 3 phase - 150mm - 350mm	• 3 phase - 150mm - 350mm
Features	• Injection moulded PPH forward curved centrifugal impeller • Single block high density UV treated polypropylene housing • Discharge positions in 45° increments • Motor position outside of airstream • Left and right fitting available. • Compact low weight design	• Injection moulded PPH forward curved centrifugal impeller • Single block high density UV treated polypropylene housing • Discharge positions in 45° increments • Motor position outside of airstream • Left and right fitting available. • Compact low weight design
Case	• Hot dip galvanised steel	• Hot dip galvanised steel
Speed Control	• Variable speed drive	• Variable speed drive
Motor	• TEFC	• TEFC
IP Rating	• IP55	• IP55
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EVAPORATIVE COOLERS & THRU WALL FAN KITS

SELECTION OVERVIEW

		
Model	**AL**	**Manrose**
Type	**Evaporative Coolers**	**Classic Thru Wall Fan Kits**
Operation		• XPS Commercial and Auto Shutter
Sizes		
Features	• High efficiency (* 80%+) long life 75mm CELPAD pads with easy grip handles for quick removal. • Low water content ABS non-corrosive water reservoir. • Heavy duty, centre hung, forward curve, belt driven blowers. • Sealed for life ball bearings	• Ducting straight through exterior wall • Ball bearing motors
Case	• Aluminium	
Speed Control	• Variable speed drive	
Motor	• TEFC	
IP Rating	• IP55	
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VIBRATION ISOLATION MOUNTS / SPEED CONTROLLERS / TIMERS

SELECTION OVERVIEW

			
Model	**ARM**	**ASM-R**	**ASM-H**
Type	**Rubber**	**Spring - Restrained**	**Spring - Hanging**
Sizes	• 10-60 kg	• 30-250 kg	• 10-40 kg
Features	• Ideal for fans and pumps • Non-slip base • Excellent elastic ability • Loading capacity marked • Restraining bolt and washer included	• Ideal for fans and pumps • Non-slip base • Integrated seismic restraining cage • Loading capacity marked • Levelling bolt and washer included	• Ideal for fans • Spring and rubber for effective isolation • Integrated seismic restraining cage • Loading capacity marked • Bolts and washer included
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Model	**SCE**	**RE & RD**	
Type	**Electronic Speed Controller**	**Five Step Speed Controller**	**Fan Timers**
Features	• 1 phase 230V speed controller • Controls speed from 100% to approx 30% of full speed • Maximum loads: - SCE-2.0: 500W, 2A - SCE-5.0: 1000W, 5A • Minimum loads: - SCE-2.0: 40W, 0.16A - SCE-5.0: 100W, 0.5A • Operating range 0-40°C • Standard plate mounting • Suppressed to minimise radio frequency interference	• RE: 1 phase - 5.0-14.0A • RD: 3 phase - 1.0-7.0A • Transformer based controllers for voltage controllable fans • 5-step switch for manual speed control • Integrated power ON lamp. • Automatic switch ON after power failure • Separate motor protection recommended for motors with thermocontacts	**Time Air Fan Timer** • Automatically switch OFF after approximately 7 minutes **Fully Adjustable Run-On Fan Timer** • Timing switch 1 sec to 90 mins • Adjustable Run Timer & Start Delay
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BRC-Q ROOF MOUNTED CENTRIFUGAL EXTRACT FANS

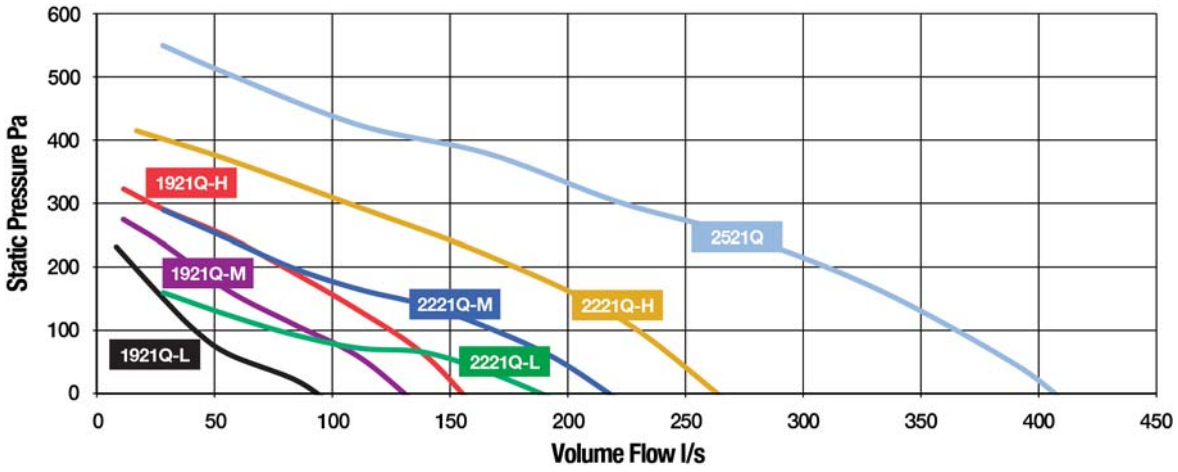
SIDE DISCHARGE - SIZES 190MM - 560MM SINGLE PHASE

- Ziehl-Abegg Vpro low sound aerofoil impeller
- High aerodynamic efficiency
- No tonal noise
- UV stabilised Rovel polymer cowling
- Speed controllable
- Sealed for life ball bearings
- BRC1921Q and BRC2221Q fitted with three speed motors

BRC-Q Roof Mounted Fan

PERFORMANCE DATA

2-Pole



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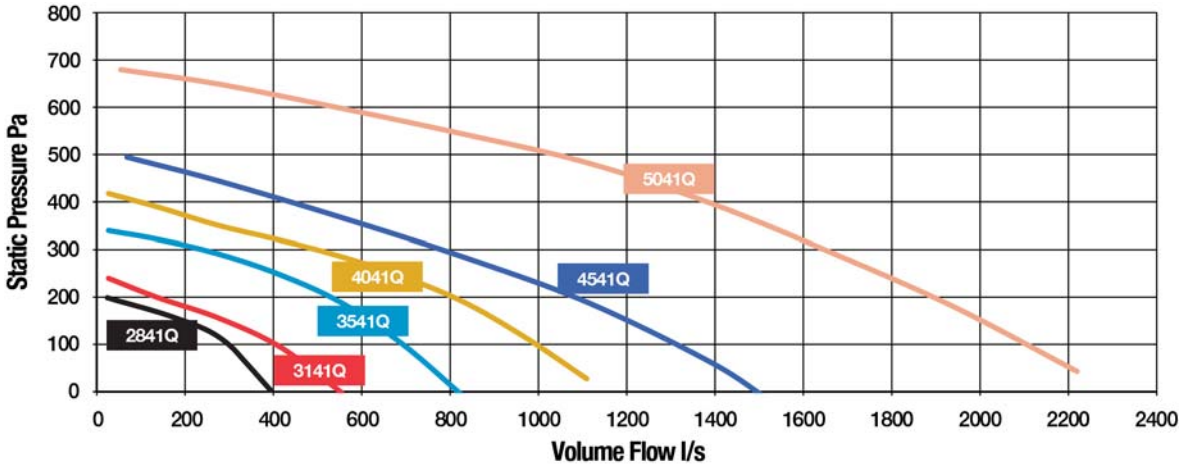

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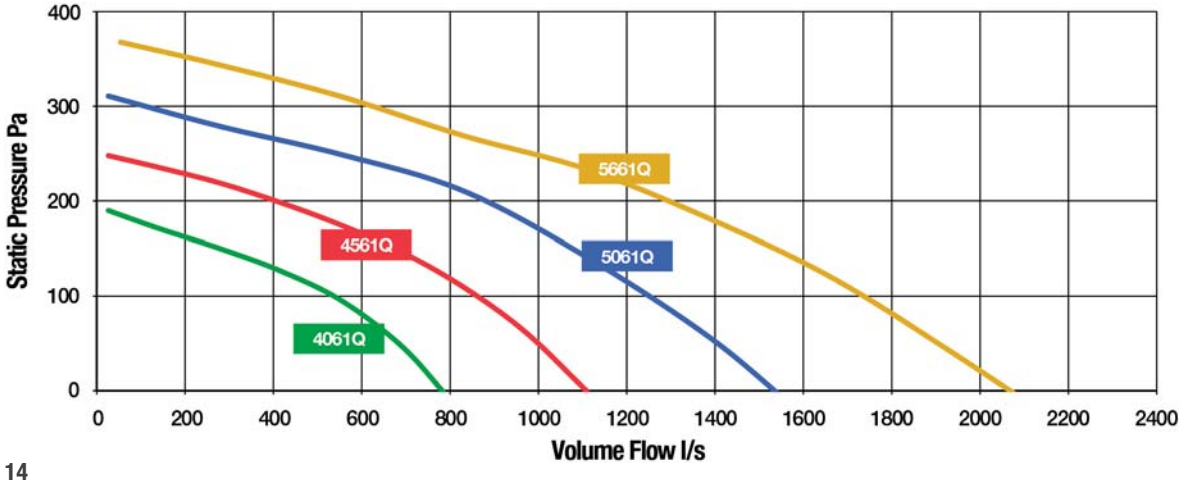
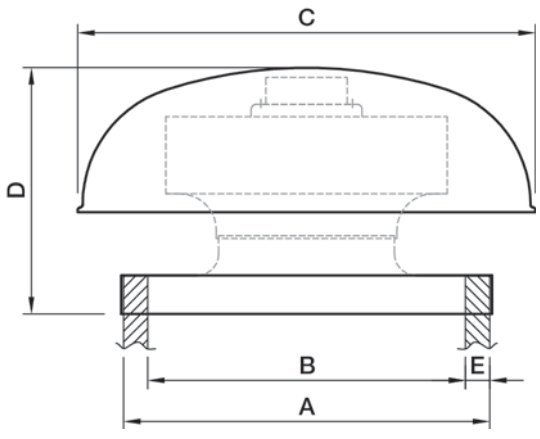


ELECTRICAL & ACOUSTIC DATA

Model No.	Speed (rev/min)	230V/50Hz/1Φ			Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)								Order Code
		Motor Input (kW)	Full Load Current (A)	Max Temp (ºC)		63	125	250	500	1k	2k	4k	8k	
BRC1921Q-H	2500	0.06	0.26	60	42	71	68	63	58	57	55	51	44	FAN4370
BRC1921Q-M	2010	0.05	0.25	60	37	69	66	60	51	51	50	48	35	FAN4376
BRC1921Q-L	1470	0.05	0.24	60	30	67	62	52	43	43	42	27	26	FAN4375
BRC2221Q-H	2560	0.1	0.45	60	44	76	69	62	61	57	56	53	49	FAN4377
BRC2221Q-M	2020	0.09	0.41	60	39	66	60	57	55	52	52	51	43	FAN4379
BRC2221Q-L	1480	0.08	0.38	60	35	61	61	48	51	53	47	41	37	FAN4378
BRC2521Q	2420	0.2	0.86	60	47	60	61	61	59	55	54	54	41	FAN3804
BRC2841Q	1360	0.11	0.53	60	39	59	70	60	61	55	51	53	43	FAN3546
BRC3141Q	1240	0.14	0.62	60	40	67	73	70	68	61	58	54	50	FAN3811
BRC3541Q	1390	0.27	1.3	60	42	66	62	57	54	50	46	38	38	FAN3814
BRC4041Q	1280	0.43	1.9	60	43	65	73	70	69	62	57	56	59	FAN3817
BRC4061Q	890	0.17	0.76	60	39	67	62	64	55	53	49	44	33	FAN3819
BRC4541Q	1230	0.62	2.8	60	47	68	77	74	73	65	62	58	56	FAN3821
BRC4561Q	920	0.3	1.4	60	41	61	70	66	65	57	54	49	46	FAN3823
BRC5041Q	1340	1.3	5.8	60	52	68	80	78	69	68	63	60	58	FAN3825
BRC5061Q	910	0.45	2.2	60	41	71	71	72	65	63	58	54	51	FAN3827
BRC5661Q	860	0.66	3	60	45	74	74	71	62	61	56	53	49	FAN3830

DIMENSIONAL DATA

Model No.	Dimensions (mm)					Weight (kg)
	A*	B*	C	D	E	
BRC1921Q	300	200	400	220	50	5
BRC2221Q	300	200	400	220	50	8
BRC2521Q	400	300	480	253	50	11
BRC2841Q	400	300	480	253	50	12
BRC3141Q	475	375	600	259	50	14
BRC3541Q	550	450	710	355	50	18
BRC4041Q	550	450	710	355	50	20
BRC4061Q	550	450	710	355	50	20
BRC4541Q	650	550	844	390	50	31
BRC4561Q	650	550	844	390	50	29
BRC5041Q	650	550	844	480	50	41
BRC5061Q	650	550	844	480	50	37
BRC5661Q	750	650	950	550	50	43



*** Upstand Construction Details**

BRC-Q ROOF MOUNTED CENTRIFUGAL EXTRACT FANS

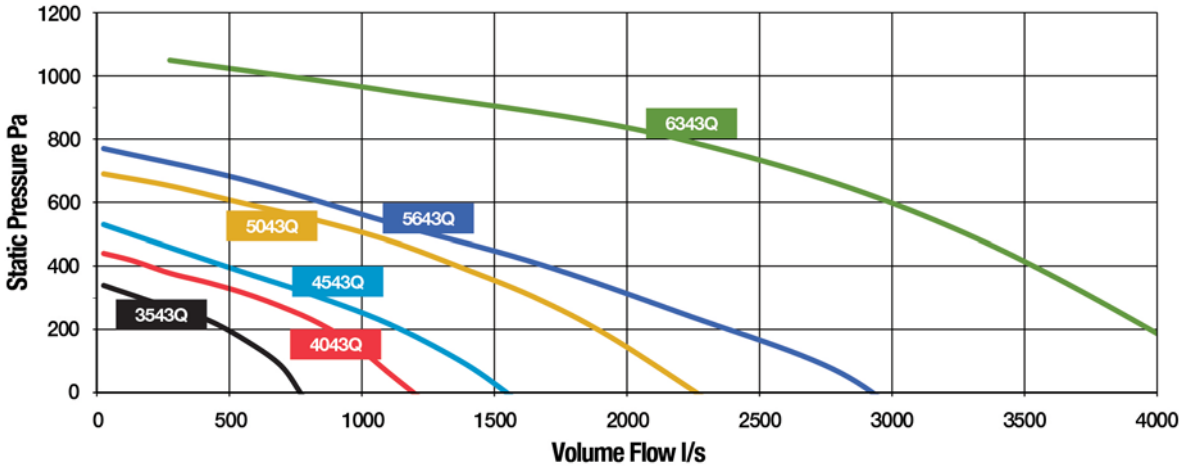
SIDE DISCHARGE - SIZES 355MM - 630MM THREE PHASE

- Ziehl-Abegg Vpro low sound aerofoil impeller.
- High aerodynamic efficiency.
- No tonal noise.
- UV stabilised Rovel polymer or fibreglass cowling.
- Speed controllable.
- Sealed for life ball bearings.
- Motors are two speed star/delta.

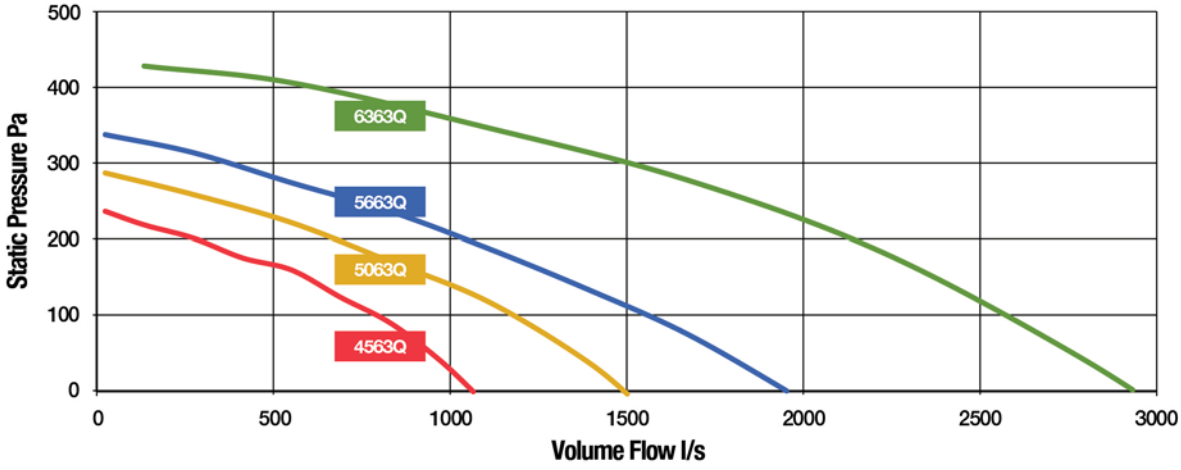
BRC-Q Roof Mounted Fan

PERFORMANCE DATA

4-Pole



6-Pole

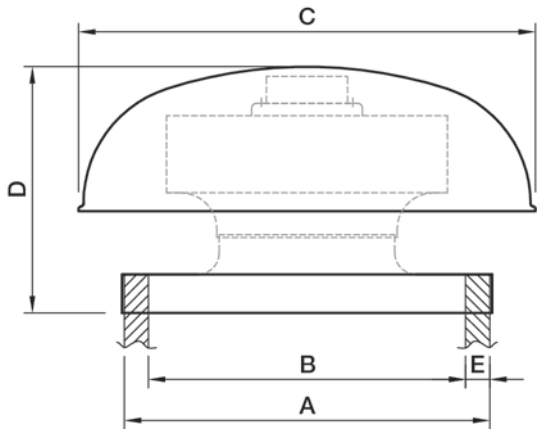


ELECTRICAL & ACOUSTIC DATA

Model No.	Speed (rev/ min)	400V/50Hz/3Φ			Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)								Order Code
		Motor Input (kW)	Full Load Current (A)	Max Temp (°C)		63	125	250	500	1k	2k	4k	8k	
BRC3543Q	1340	0.24	0.47	60	42	74	72	62	59	56	51	53	51	FAN4380
BRC3543Q-L	1060	0.16	0.27	60	36	68	66	56	53	50	45	47	45	FAN4381
BRC4043Q	1320	0.44	0.77	60	43	71	69	63	62	55	52	48	53	FAN3818
BRC4043Q-L	1010	0.31	0.5	60	39	67	65	59	58	51	48	44	49	FAN4382
BRC4563Q	880	0.25	0.58	60	40	74	67	59	57	51	53	46	35	FAN4384
BRC4563Q-L	610	0.14	0.3	60	32	66	59	51	49	43	45	38	27	FAN4385
BRC4543Q	1250	0.65	1.3	55	47	76	72	71	64	57	53	49	51	FAN3822
BRC4543Q-L	890	0.36	0.67	55	38	67	63	62	55	48	44	40	42	FAN4383
BRC5063Q	870	0.42	0.93	55	44	74	68	61	58	53	51	49	44	FAN4387
BRC5063Q-L	590	0.23	0.49	55	40	70	64	57	54	49	47	45	40	FAN4388
BRC5043Q	1330	1.2	2.2	55	54	81	78	72	69	70	56	52	56	FAN3826
BRC5043Q-L	1040	0.83	1.4	55	48	75	72	66	63	64	50	46	50	FAN4386
BRC5663Q	800	0.61	1.05	40	43	75	69	67	59	57	51	53	50	FAN3831
BRC5663Q-L	550	0.33	0.55	40	32	68	62	60	52	50	44	46	43	FAN4390
BRC5643Q	1180	1.7	3.3	50	52	76	81	73	68	63	58	56	62	FAN3829
BRC5643Q-L	800	0.82	1.6	50	43	67	72	64	59	54	49	47	53	FAN4389
BRC6363Q	850	1.1	2.2	60	46	81	75	71	62	59	57	56	52	FAN2905
BRC6363Q-L	640	0.65	1.15	60	39	75	64	61	54	53	48	55	42	FAN2929
BRC6343Q	1360	3.9	6.6	50	61	86	87	82	77	78	71	69	64	FAN4391
BRC6343Q-L	1100	2.8	4.6	50	57	82	83	78	73	74	67	65	60	FAN4392

DIMENSIONAL DATA

Model No.	Dimensions (mm)					Weight (kg)
	A*	B*	C	D	E	
BRC3543Q	550	450	710	355	50	18
BRC4043Q	550	450	710	355	50	20
BRC4543Q	650	550	844	390	50	26
BRC4563Q	650	550	844	390	50	26
BRC5043Q	650	550	844	480	50	32
BRC5063Q	650	550	844	480	50	29
BRC5663Q	750	650	950	550	50	37
BRC5643Q	750	650	950	550	50	40
BRC6363Q	850	750	1200	660	50	58
BRC6343Q	850	750	1200	660	50	64



*** Upstand Construction Details**

BRS-Q ROOF MOUNTED CENTRIFUGAL SUPPLY FANS

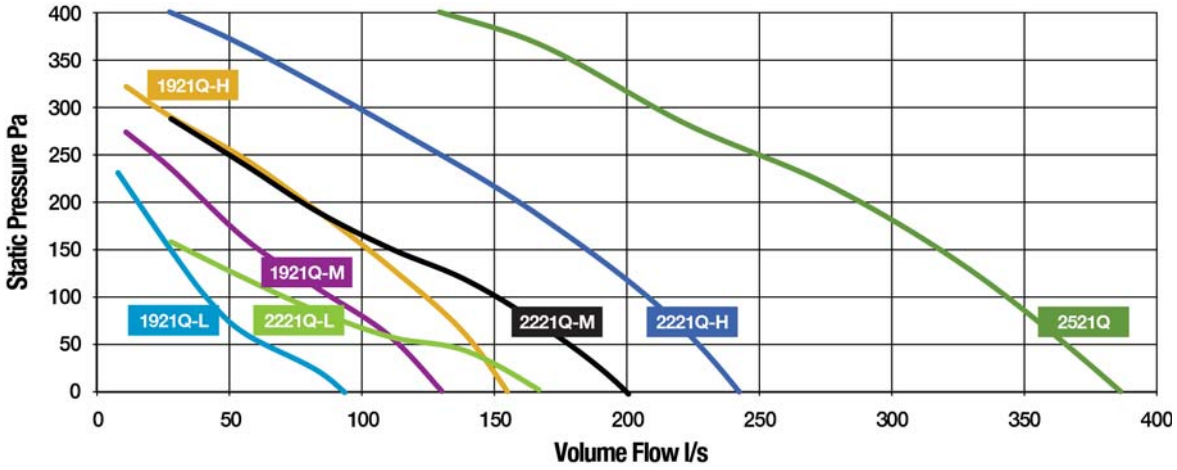
SIDE INPUT - SIZES 190MM - 560MM SINGLE PHASE

- Ziehl-Abegg Vpro low sound aerofoil impeller.
- High aerodynamic efficiency.
- No tonal noise.
- UV stabilised Rovel polymer cowling.
- Speed controllable.
- Sealed for life ball bearings.
- BRS1921Q and BRS2221Q fitted with three speed motors.

BRS-Q Roof Mounted Fan

PERFORMANCE DATA

2-Pole



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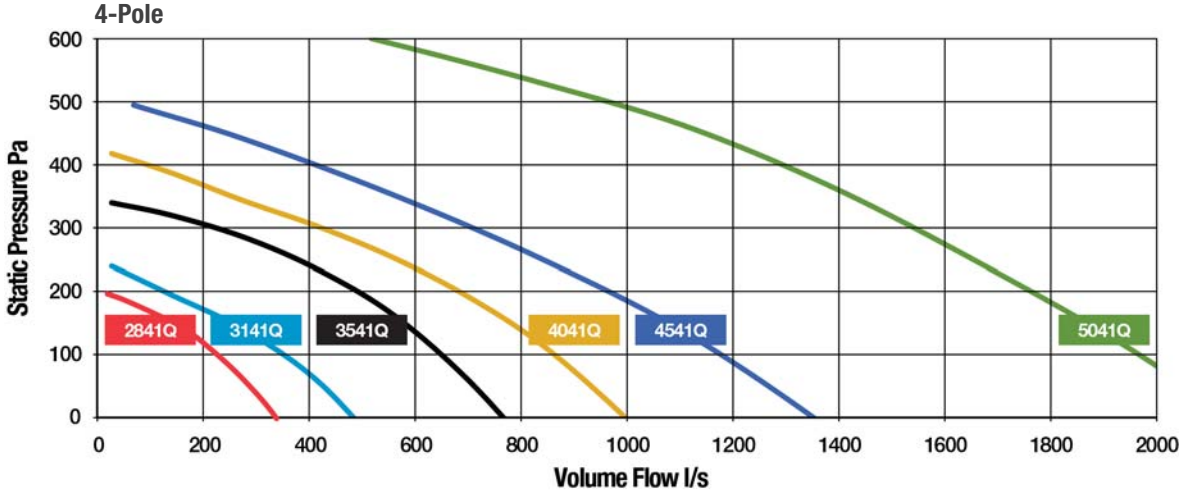
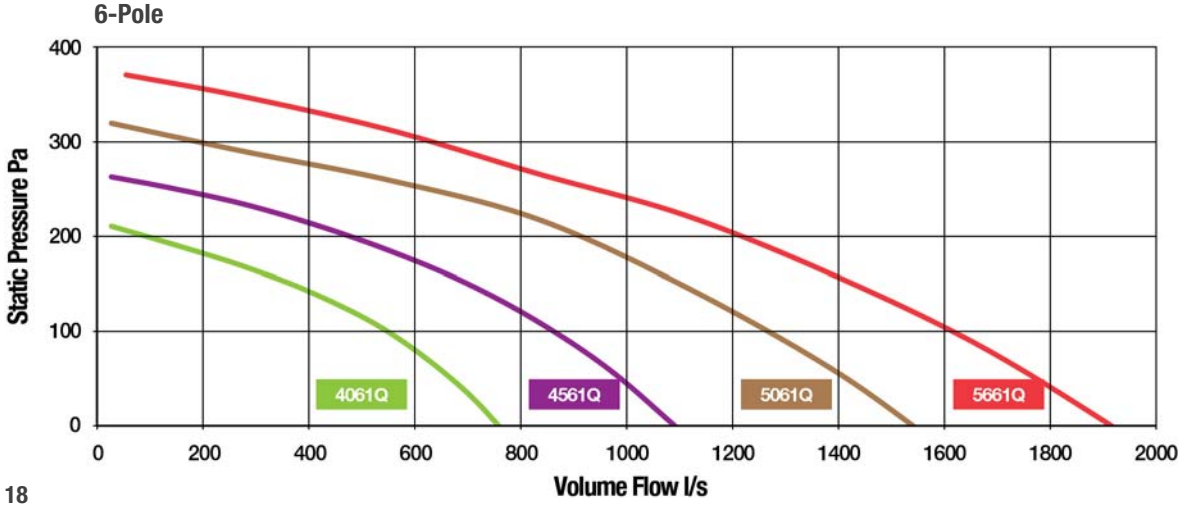


6-Pole



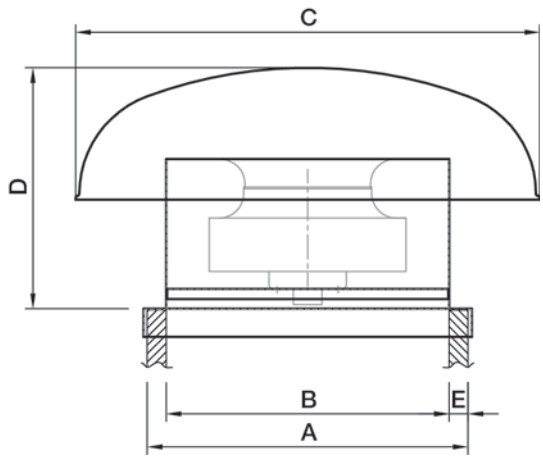
ELECTRICAL & ACOUSTIC DATA

Model No.	Speed (rev/min)	230V/50Hz/1Φ			Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)								Order Code
		Motor Input (kW)	Full Load Current (A)	Max Temp (ºC)		63	125	250	500	1k	2k	4k	8k	
BRS1921Q-H	2500	0.06	0.26	60	42	71	68	63	58	57	55	51	44	FAN3029
BRS1921Q-M	2010	0.05	0.25	60	37	69	66	60	51	51	50	48	35	FAN3857
BRS1921Q-L	1470	0.05	0.24	60	30	67	62	52	43	43	42	27	26	FAN3030
BRS2221Q-H	2560	0.1	0.45	60	44	76	69	62	61	57	56	53	49	FAN3034
BRS2221Q-M	2020	0.09	0.41	60	39	66	60	57	55	52	52	51	43	FAN3041
BRS2221Q-L	1480	0.08	0.38	60	35	61	61	48	51	53	47	41	37	FAN3038
BRS2521Q	2420	0.2	0.86	60	47	60	61	61	59	55	54	54	41	FAN3863
BRS2841Q	1360	0.11	0.53	60	39	59	70	60	61	55	51	53	43	FAN3044
BRS3141Q	1240	0.14	0.62	60	40	67	73	70	68	61	58	54	50	FAN3867
BRS3541Q	1390	0.27	1.3	60	42	66	62	57	54	50	46	38	38	FAN3419
BRS4041Q	1280	0.43	1.9	60	43	65	73	70	69	62	57	56	59	FAN3873
BRS4061Q	890	0.17	0.76	60	39	67	62	64	55	53	49	44	33	FAN3875
BRS4541Q	1230	0.62	2.8	60	47	68	77	74	73	65	62	58	56	FAN3061
BRS4561Q	920	0.3	1.4	60	41	61	70	66	65	57	54	49	46	FAN3878
BRS5041Q	1340	1.3	5.8	60	52	68	80	78	69	68	63	60	58	FAN3098
BRS5061Q	910	0.45	2.2	60	41	71	71	72	65	63	58	54	51	FAN3879
BRS5661Q	860	0.66	3	60	45	74	74	71	62	61	56	53	49	FAN3109

BRS1921Q and BRS2221Q are fitted with three speed motors.

DIMENSIONAL DATA

Model No.	Dimensions (mm)					Weight (kg)
	A*	B*	C	D	E	
BRS1921Q	400	300	480	253	72	7
BRS2221Q	400	300	480	253	72	8
BRS2521Q	475	375	600	259	72	13
BRS2841Q	475	375	600	259	72	14
BRS3141Q	550	450	710	355	75	16
BRS3541Q	650	550	844	390	75	20
BRS4041Q	650	550	844	390	75	22
BRS4541Q	750	650	844	460	75	43
BRS4561Q	750	650	844	460	75	41
BRS5041Q	850	750	950	570	75	53
BRS5061Q	850	750	950	570	75	49
BRS5661Q	850	750	950	570	75	55



*** Upstand Construction Details**

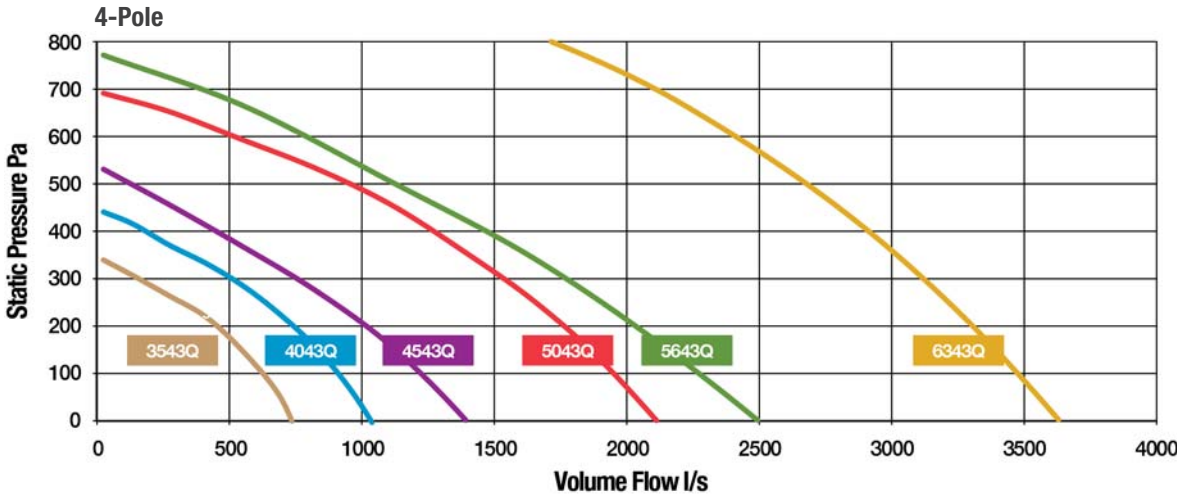
BRS-Q ROOF MOUNTED CENTRIFUGAL SUPPLY FANS

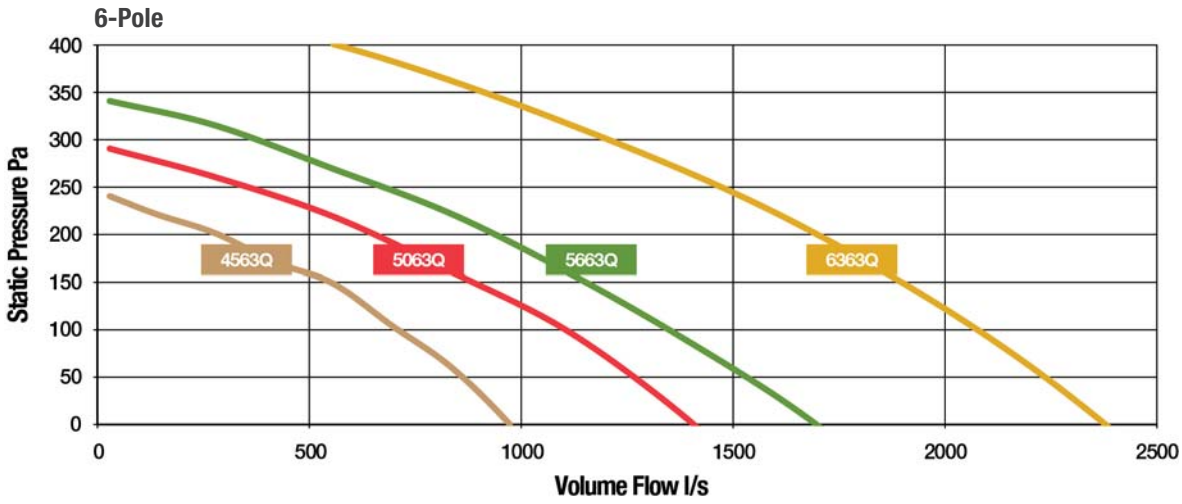
SIDE INPUT - SIZES 355MM - 630MM THREE PHASE

- Ziehl-Abegg Vpro low sound aerofoil impeller.
- High aerodynamic efficiency.
- No tonal noise.
- UV stabilised Rovel polymer or fibreglass cowling.
- Speed controllable.
- Sealed for life ball bearings.
- Motors are two speed star/delta.

BRC-Q Roof Mounted Fan

PERFORMANCE DATA



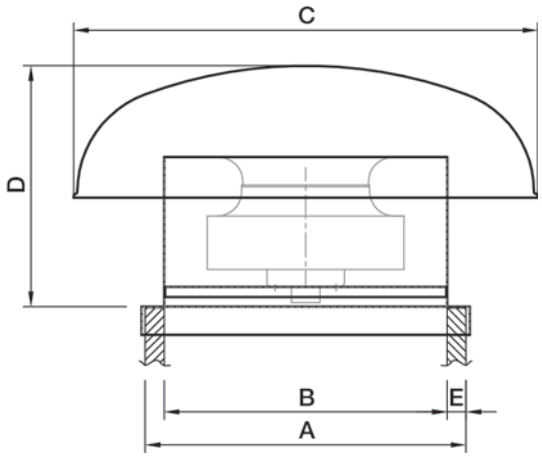


ELECTRICAL & ACOUSTIC DATA

Model No.	Speed (rev/min)	400V/50Hz/3Φ			Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)								Order Code
		Motor Input (kW)	Full Load Current (A)	Max Temp (ºC)		63	125	250	500	1k	2k	4k	8k	
BRS3543Q	1340	0.24	0.47	60	42	74	72	62	59	56	51	53	51	FAN3045
BRS3543Q-L	1060	0.16	0.27	60	36	68	66	56	53	50	45	47	45	FAN3047
BRS4043Q	1320	0.44	0.77	60	43	71	69	63	62	55	52	48	53	FAN3050
BRS4043Q-L	1010	0.31	0.5	60	39	67	65	59	58	51	48	44	49	FAN3052
BRS4563Q	880	0.25	0.58	60	40	74	67	59	57	51	53	46	35	FAN3088
BRS4563Q-L	610	0.14	0.3	60	32	66	59	51	49	43	45	38	27	FAN3094
BRS4543Q	1250	0.65	1.3	55	47	76	72	71	64	57	53	49	51	FAN3877
BRS4543Q-L	890	0.36	0.67	55	38	67	63	62	55	48	44	40	42	FAN3068
BRS5063Q	870	0.42	0.93	55	44	74	68	61	58	53	51	49	44	FAN3105
BRS5063Q-L	590	0.23	0.49	55	40	70	64	57	54	49	47	45	40	FAN3106
BRS5043Q	1330	1.2	2.2	55	54	81	78	72	69	70	56	52	56	FAN3099
BRS5043Q-L	1040	0.83	1.4	55	48	75	72	66	63	64	50	46	50	FAN3102
BRS5663Q	800	0.61	1.05	40	43	75	69	67	59	57	51	53	50	FAN3119
BRS5663Q-L	550	0.33	0.55	40	32	68	62	60	52	50	44	46	43	FAN3121
BRS5643Q	1180	1.7	3.3	50	52	76	81	73	68	63	58	56	62	FAN3881
BRS5643Q-L	800	0.82	1.6	50	43	67	72	64	59	54	49	47	53	FAN3107
BRS6363Q	850	1.1	2.2	60	46	81	75	71	62	59	57	56	52	FAN3123
BRS6363Q-L	640	0.65	1.15	60	39	75	64	61	54	53	48	55	42	FAN3126
BRS6343Q	1360	3.9	6.6	50	61	86	87	82	77	78	71	69	64	FAN3884
BRS6343Q-L	1100	2.8	4.6	50	57	82	83	78	73	74	67	65	60	FAN3122

DIMENSIONAL DATA

Model No.	Dimensions (mm)					Weight (kg)
	A*	B*	C	D	E	
BRS3543Q	650	550	844	390	75	20
BRS4043Q	650	550	844	390	75	22
BRS4543Q	750	650	960	460	75	43
BRS4563Q	750	650	960	460	75	41
BRS5043Q	850	750	1150	570	75	53
BRS5063Q	850	750	1150	570	75	49
BRS5663Q	850	750	1150	570	75	55
BRS5643Q	850	750	1150	570	75	62
BRS6363Q	950	850	1530	710	75	75
BRS6343Q	950	850	1530	710	75	81



*** Upstand Construction Details**

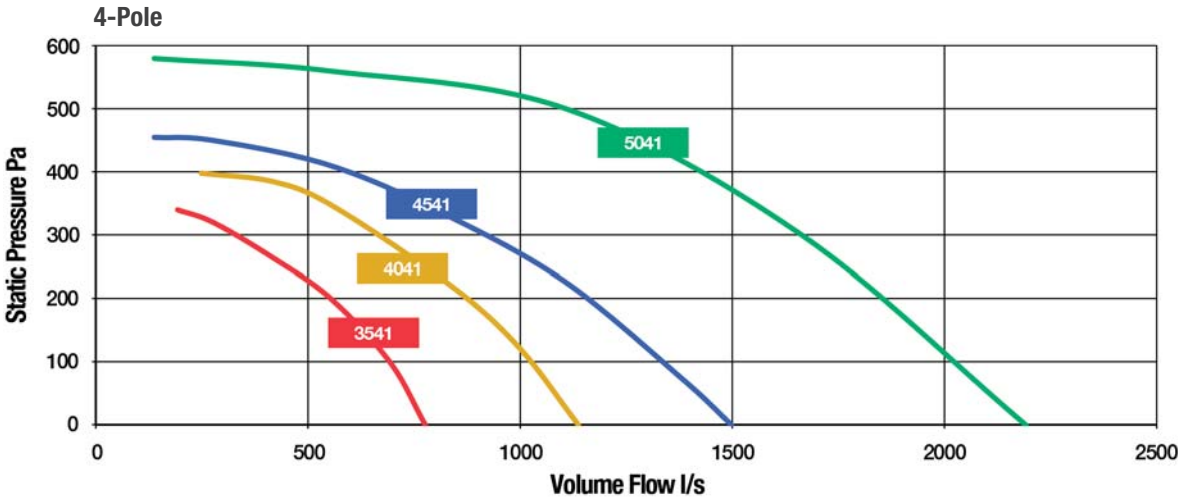
BRM-Q ROOF MOUNTED CENTRIFUGAL EXTRACT FANS

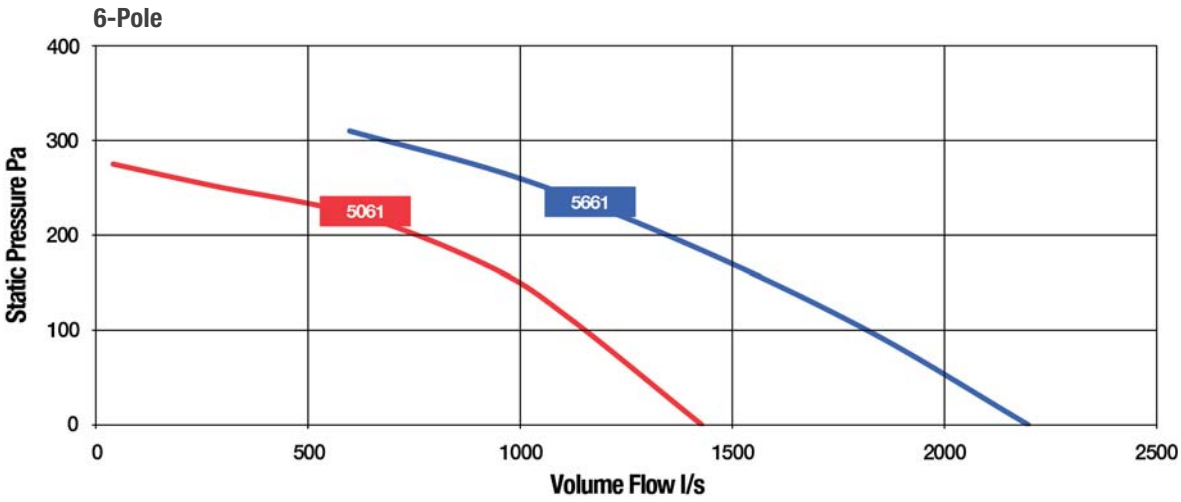
VERTICAL DISCHARGE - SIZES 355MM - 560MM SINGLE PHASE

- Ziehl-Abegg Vpro low sound aerofoil impeller.
- High aerodynamic efficiency.
- Low tonal noise.
- Galvanised sheet steel cowling.
- Speed controllable.
- Sealed for life ball bearings.

BRM Roof Mounted Fan

PERFORMANCE DATA



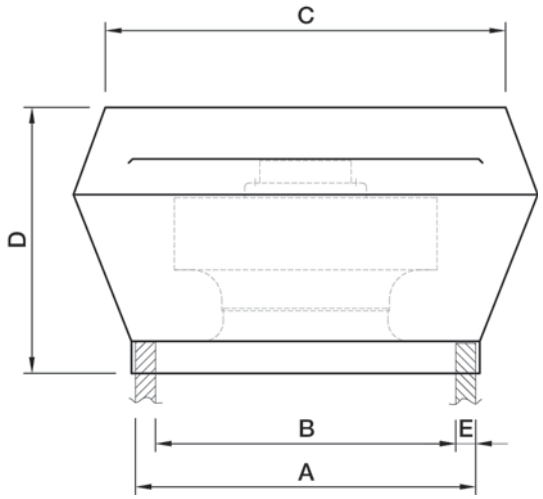


ELECTRICAL & ACOUSTIC DATA

Model No.	Speed (rev/ min)	230V/50Hz/1Φ			Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)								Order Code
		Motor Input (W)	Full Load Current (A)	Max Temp (ºC)		63	125	250	500	1k	2k	4k	8k	
BRM3541Q	1390	0.27	1.3	60	42	66	62	57	54	50	46	38	38	FAN3836
BRM4041Q	1280	0.43	1.9	60	43	65	73	70	69	62	57	56	59	FAN3839
BRM4061Q	890	0.17	0.76	60	39	67	62	64	55	53	49	44	33	FAN2943
BRM4541Q	1230	0.62	2.8	60	47	68	77	74	73	65	62	58	56	FAN3842
BRM4561Q	920	0.3	1.4	60	41	61	70	66	65	57	54	49	46	FAN2958
BRM5041Q	1340	1.3	5.8	60	52	68	80	78	69	68	63	60	58	FAN3845
BRM5061Q	910	0.45	2.2	60	41	71	71	72	65	63	58	54	51	FAN3847
BRM5661Q	860	0.66	3	60	45	74	74	71	62	61	56	53	49	FAN3000

DIMENSIONAL DATA

Model No.	Dimensions (mm)					Weight kg
	A	B	C	D	E	
BRM3541Q	550	450	600	454	50	24
BRM4041Q	550	450	600	454	50	32
BRM4541Q	650	550	720	561	50	46
BRM5041Q	650	550	720	561	50	52
BRM5061Q	650	550	720	561	50	48
BRM5661Q	750	650	950	609	50	50



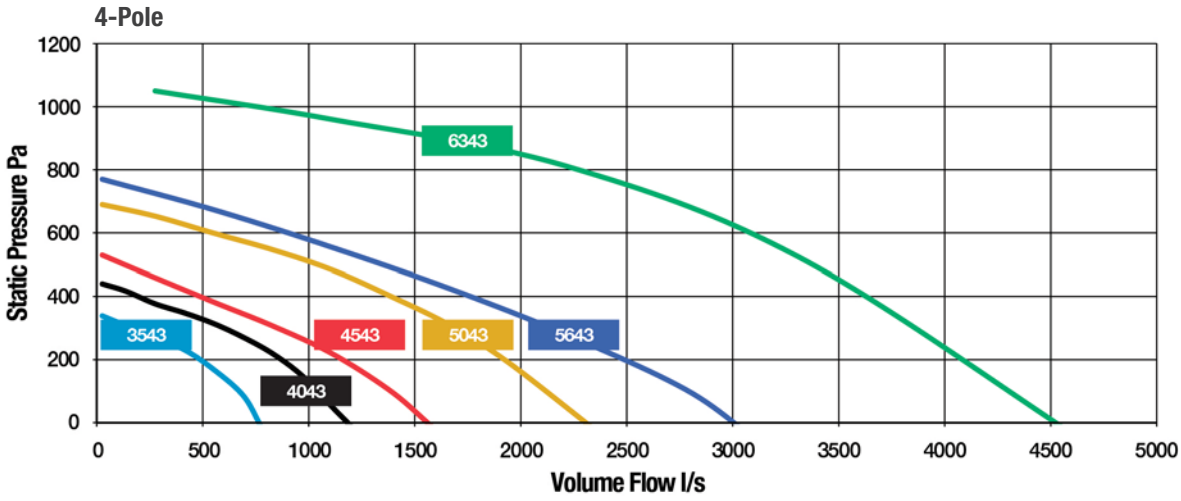
BRM-Q ROOF MOUNTED CENTRIFUGAL EXTRACT FAN

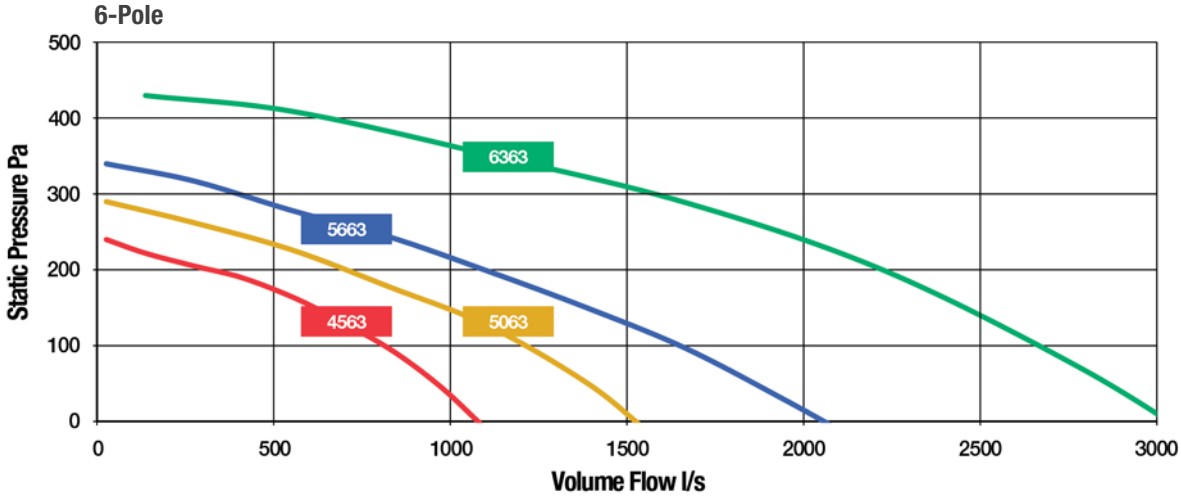
VERTICAL DISCHARGE - SIZES 355MM - 630MM THREE PHASE

- Ziehl-Abegg Vpro low sound aerofoil impeller.
- High aerodynamic efficiency.
- Low tonal noise.
- Galvanised sheet steel cowling.
- Speed controllable.
- Sealed for life ball bearings.
- Motors are two speed star/delta.

BRM Roof Mounted Fan

PERFORMANCE DATA



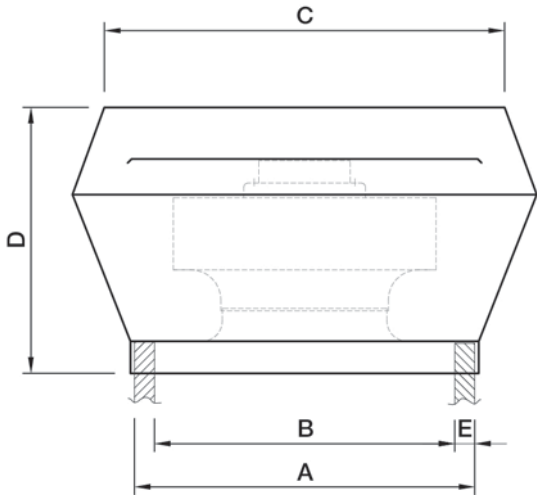


ELECTRICAL & ACOUSTIC DATA

Model No.	Speed (rev/min)	400V/50Hz/3Φ			Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)								Order Code
		Motor Input (kW)	Full Load Current (A)	Max Temp (°C)		63	125	250	500	1k	2k	4k	8k	
BRM3543Q	1340	0.24	0.47	60	42	74	72	62	59	56	51	53	51	FAN2931
BRM4043Q	1320	0.44	0.77	60	43	71	69	63	62	55	52	48	53	FAN2937
BRM4563Q	880	0.25	0.58	60	40	74	67	59	57	51	53	46	35	FAN2958
BRM4563Q-L	610	0.14	0.3	60	32	66	59	51	49	43	45	38	27	FAN2965
BRM4543Q	1250	0.65	1.3	55	47	76	72	71	64	57	53	49	51	FAN3843
BRM4543Q-L	890	0.36	0.67	55	38	67	63	62	55	48	44	40	42	FAN2954
BRM5063Q	870	0.42	0.93	55	44	74	68	61	58	53	51	49	44	FAN3848
BRM5063Q-L	590	0.23	0.49	55	40	70	64	57	54	49	47	45	40	FAN2981
BRM5043Q	1330	1.2	2.2	55	54	81	78	72	69	70	56	52	56	FAN3846
BRM5043Q-L	1040	0.83	1.4	55	48	75	72	66	63	64	50	46	50	FAN2979
BRM5663Q	800	0.61	1.05	40	43	75	69	67	59	57	51	53	50	FAN3853
BRM5663Q-L	550	0.33	0.55	40	32	68	62	60	52	50	44	46	43	FAN3004
BRM5643Q	1180	1.7	3.3	50	52	76	81	73	68	63	58	56	62	FAN3849
BRM5643Q-L	800	0.82	1.6	50	43	67	72	64	59	54	49	47	53	FAN2982
BRM6363Q	850	1.1	2.2	60	46	81	75	71	62	59	57	56	52	FAN3011
BRM6363Q-L	640	0.65	1.15	60	39	75	64	61	54	53	48	55	42	FAN3021
BRM6343Q	1360	3.9	6.6	50	61	86	87	82	77	78	71	69	64	FAN3854
BRM6343Q-L	1100	2.8	4.6	50	57	82	83	78	73	74	67	65	60	FAN3009

DIMENSIONAL DATA

Model No.	Dimensions (mm)					Weight
	A	B	C	D	E	kg
BRM3543Q	550	450	600	454	50	24
BRM4043Q	550	450	600	454	50	32
BRM4543Q	650	550	720	561	50	46
BRM4563Q	650	550	720	561	50	46
BRM5043Q	650	550	720	561	50	52
BRM5063Q	650	550	720	561	50	48
BRM5643Q	750	650	950	609	50	50
BRM5663Q	750	650	950	609	50	50
BRM6343Q	850	750	1000	664	50	68
BRM6363Q	850	750	1000	664	50	68



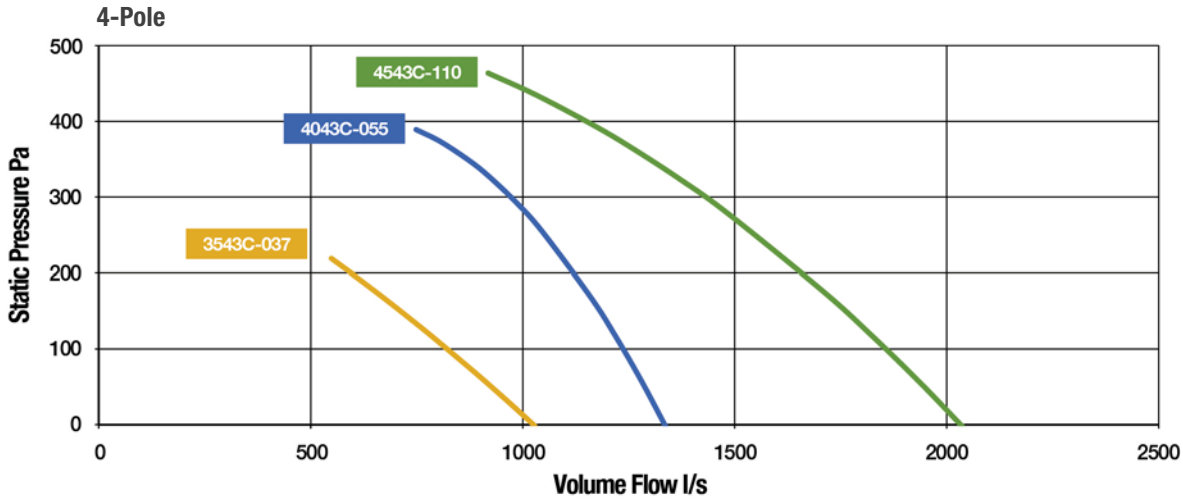
BRM-C ROOF MOUNTED CENTRIFUGAL EXTRACT FANS

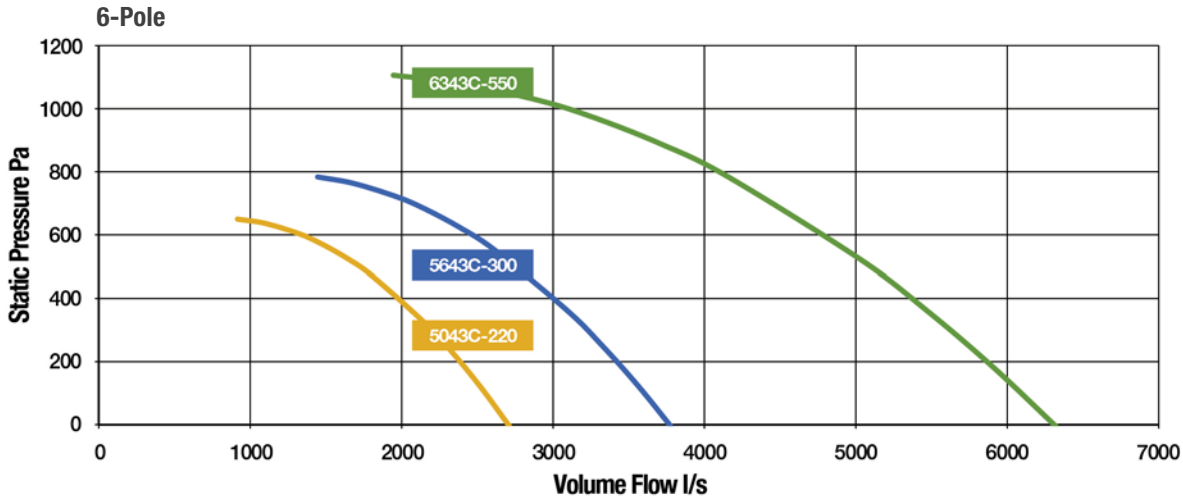
VERTICAL DISCHARGE - SIZES 355MM - 630MM THREE PHASE

- Aluminium backward curve centrifugall impeller.
- High aerodynamic efficiency.
- Full metal construction.
- Galvanised sheet steel cowling.
- Motor out of air stream.
- Suitable for speed drive.
- Sealed for life ball bearings.

BRM-C Roof Mounted Fan

PERFORMANCE DATA



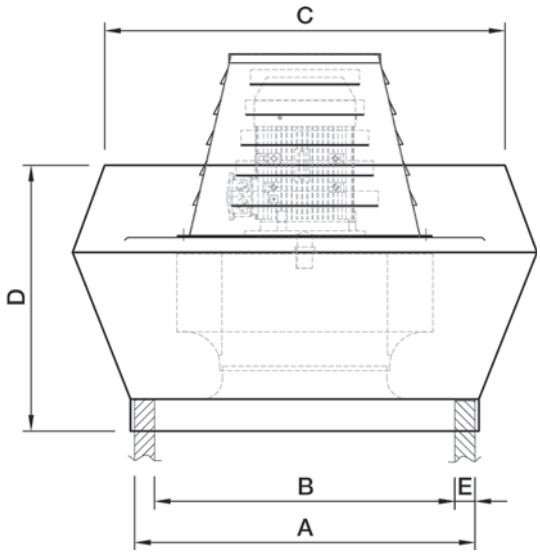


ELECTRICAL & ACOUSTIC DATA

Model No.	Speed (rev/min)	400V/50Hz/3Φ			Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)								Order Code
		Motor Input (kW)	Full Load Current (A)	Max Temp (ºC)		63	125	250	500	1k	2k	4k	8k	
BRM3543C-037	1440	0.37	1.1	50	45	58	62	65	62	59	59	56	52	FAN3838
BRM4043C-055	1440	0.55	1.4	50	47	61	67	67	64	61	61	61	56	FAN6704
BRM4543C-110	1440	1.1	2.2	50	53	63	71	72	69	68	66	64	64	FAN6705
BRM5043C-220	1440	2.2	4.3	50	56	63	78	76	72	73	69	66	66	FAN6706
BRM5643C-300	1440	3.0	6.0	50	59	67	82	80	76	75	73	68	69	FAN6353
BRM6343C-550	1440	5.5	9.8	50	62	66	79	78	76	77	77	72	70	FAN6701

DIMENSIONAL DATA

Model No.	Dimensions (mm)					Weight
	A	B	C	D	E	kg
BRM3543C-037	550	450	600	454	50	48
BRM4043C-055	550	450	600	454	50	56
BRM4543C-110	650	550	720	561	50	75
BRM5043C-220	650	550	720	561	50	85
BRM5643C-300	750	650	950	609	50	92
BRM6343C-550	850	750	1000	664	50	128



THRU-ROOF MOUNTED CENTRIFUGAL FANS

SIZES: 250MM SINGE PHASE

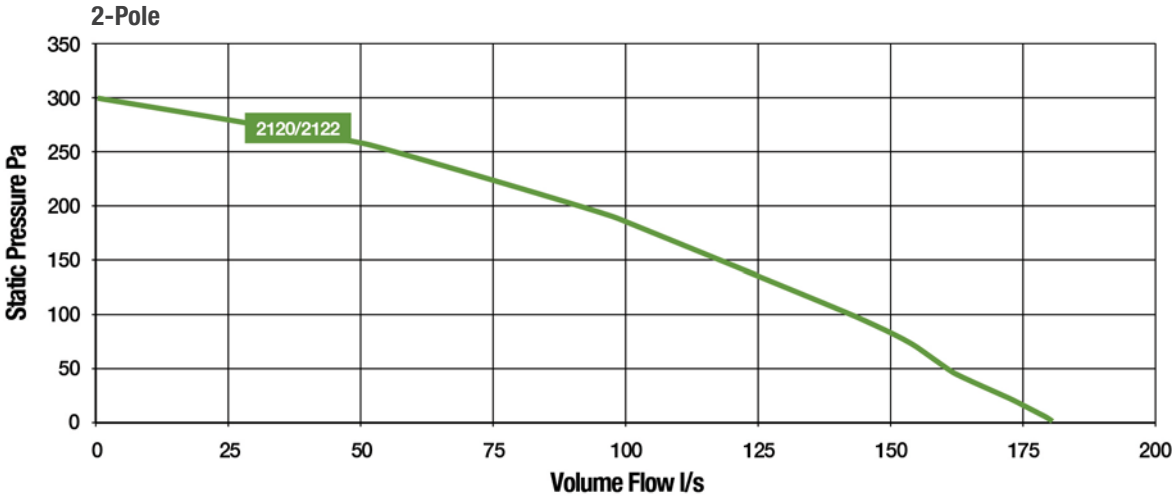
- An ASA plastic cowl is available with or without fan.
- Kits are complete with an ASA plastic cowl (with or without fan), mounting tubes, aquaseal roof flashing & power lead flashing.
- The fan section orientation can be reversed to facilitate extract or supply.
- Supported by a 2 year warranty.

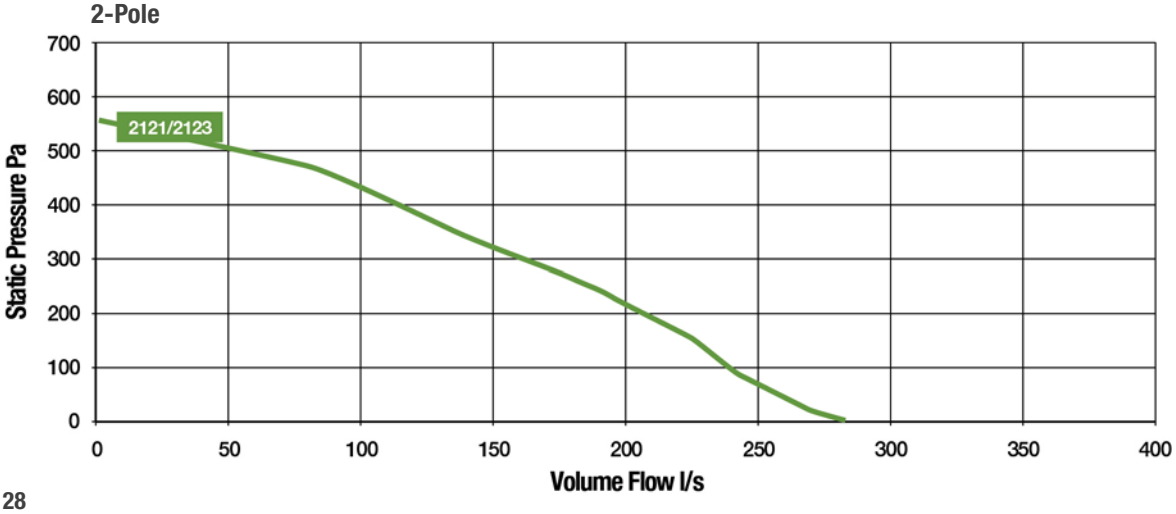
250 mm Hyper Fan System

250mm Fan Kit

Description	Performance	Order Code
Cowl with Fan	178 l/s, 640 m^3/hr	FAN2120
Cowl with Fan (High Performance)	265 l/s, 954 m^3/hr	FAN2121
Kit with Fan	178 l/s, 640 m^3/hr	FAN2122
Kit with Fan (High Performance)	265 l/s, 954 m^3/hr	FAN2123
Cowl	-	DCT2238
Kit	-	DCT2241
Filter Ring	-	DCT2254
Insect Mesh	-	DCT2253

PERFORMANCE DATA





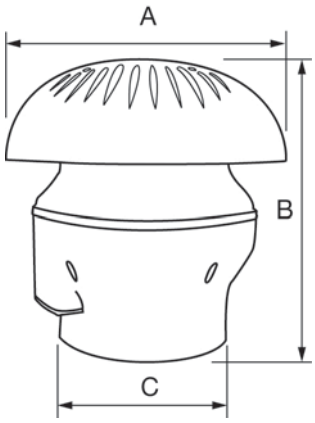
ELECTRICAL & ACOUSTIC DATA

Model No. - Extract	Speed (rev/ min)	220-240V/50Hz/1Φ		Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)							Order Code
		Motor Input (kW)	Max Temp (ºC)		125	250	500	1k	2k	4k	8k	
FAN2120	2600	0.75	40	54	62.4	62.3	67.1	61.9	60.6	58.1	48.5	
FAN2121	2650	1.35	60	58	69.9	72.8	69.5	68.3	65.6	62.7	54.6	
FAN2122	2600	0.75	40	54	62.4	62.3	67.1	61.9	60.6	58.1	48.5	
FAN2123	2650	1.35	60	58	69.9	72.8	69.5	68.3	65.6	62.7	54.6	

Model No. - Supply	Speed (rev/ min)	220-240V/50Hz/1Φ		Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)							Order Code
		Motor Input (kW)	Max Temp (ºC)		125	250	500	1k	2k	4k	8k	
FAN2120	2600	0.75	40	56	65.7	67.5	69.0	62.9	60.1	51.9	43.2	
FAN2121	2650	1.35	60	61	73.3	76.5	74.7	70.8	65.5	60.2	51.1	
FAN2122	2600	0.75	40	56	65.7	67.5	69.0	62.9	60.1	51.9	43.2	
FAN2123	2650	1.35	60	61	73.3	76.5	74.7	70.8	65.5	60.2	51.1	

DIMENSIONAL DATA

Duct Size	Dimensions (mm)			Weight (kg)
	A	B	C	
250mm	400	400	248	5



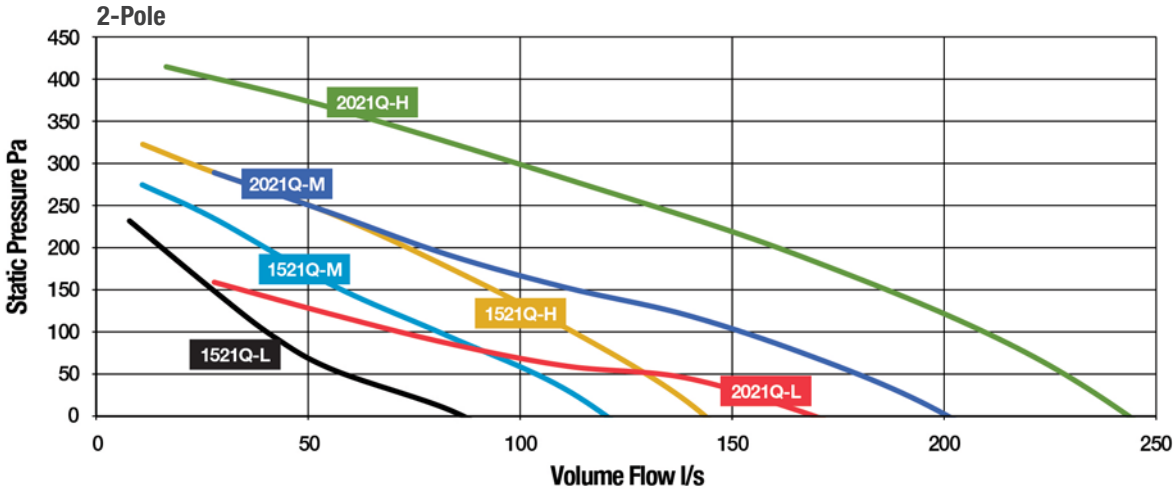
BTE-Q ROOF MOUNTED CENTRIFUGAL EXTRACT FAN TUBES

SIZES 190MM - 280MM SINGLE PHASE

- Ziehl-Abegg Vpro low sound aerofoil impeller.
- High aerodynamic efficiency.
- No tonal noise.
- Speed controllable.
- BTE1521Q and BTE2021Q fitted with three speed motors as standard.
- Sealed for life ball bearings.

BTE-Q Extract Fan Tube

PERFORMANCE DATA

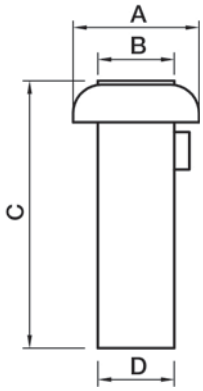


ELECTRICAL & ACOUSTIC DATA

Model No.	Impellor Diameter (mm)	Speed (rev/ min)	230V/50Hz/1Φ			Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)								Order Code
			Motor Input (kW)	Full Load Current (A)	Max Temp (ºC)		63	125	250	500	1k	2k	4k	8k	
BTE1521Q-H	190	2500	0.06	0.26	60	42	71	68	63	58	57	55	51	44	FAN3261
BTE1521Q-M	190	2010	0.05	0.25	60	37	69	66	60	51	51	50	48	35	FAN3266
BTE1521Q-L	190	1470	0.05	0.24	60	30	67	62	52	43	43	42	27	26	FAN3264
BTE2021Q-H	220	2560	0.1	0.45	60	44	76	69	62	61	57	56	53	49	FAN3268
BTE2021Q-M	220	2020	0.09	0.41	60	39	66	60	57	55	52	52	51	43	FAN3311
BTE2021Q-L	220	1480	0.08	0.38	60	35	61	61	48	51	53	47	41	37	FAN3307

DIMENSIONAL DATA

Model No.	Dimensions (mm)				Weight (kg)
	A	B	C	D	
BTE1521Q	275	150	600	150	4
BTE2021Q	330	200	600	200	6



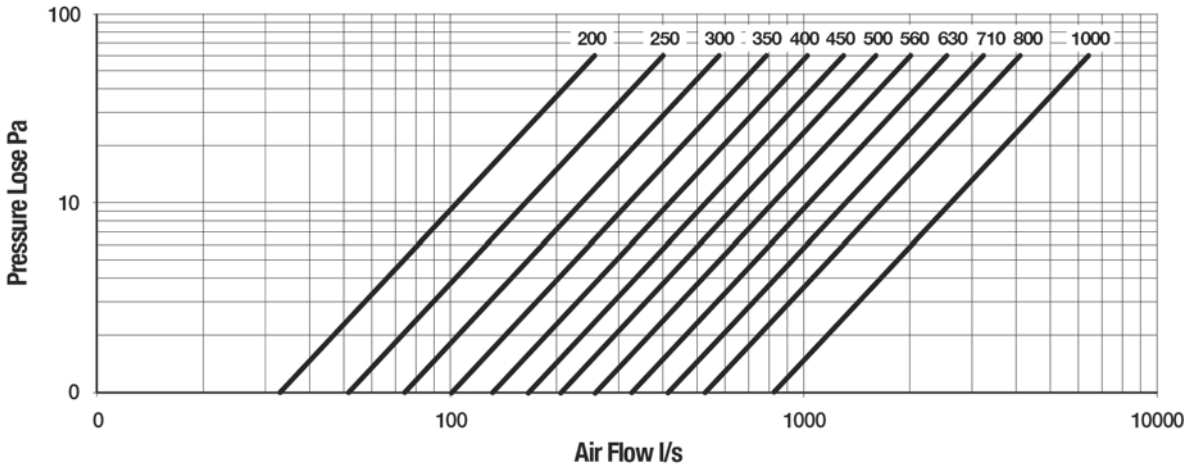
BRA-CO ROOF MOUNTED RELIEF AIR COWLS

SIZES 200MM - 900MM

- UV stabilised Rovel polymer sizes 200mm to 450mm.
- Sizes 500mm to 900mm are UV resistant polythelene.
- All sizes have bird mesh fitted as standard.

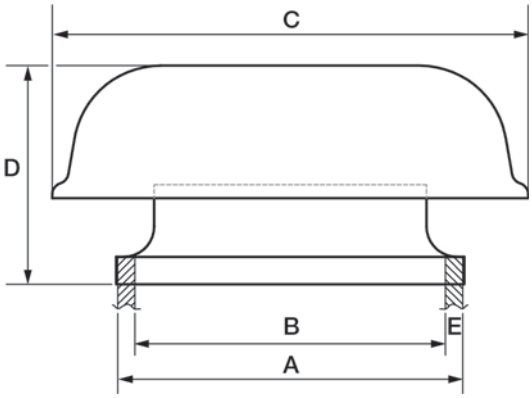
BRA-CO Relief Air Cowl

PERFORMANCE DATA



DIMENSIONAL DATA

Model No.	Dia (mm)	Dimensions (mm)					Weight (kg)	Order Code
		A	B	C	D	E		
BRA200CO	200	300	200	410	235	50	2	FAN3749
BRA250CO	250	400	300	480	253	50	2.5	FAN3750
BRA300CO	300	450	350	600	259	50	3	FAN3752
BRA350CO	350	530	430	710	338	50	4.5	FAN6707
BRA400CO	400	580	480	710	361	50	6	FAN6658
BRA450CO	450	630	530	844	402	50	8	FAN6659



Model No.	Dia (mm)	Dimensions (mm)					Weight (kg)	Order Code
		A	B	C	D	E		
BRA500CO	500	660	560	950	502	50	11	FAN6405
BRA560CO	560	730	630	950	502	50	14	FAN6406
BRA630CO	630	810	710	1200	582	50	18	FAN6407
BRA710CO	710	880	780	1200	602	50	22	FAN6408
BRA800CO	800	1010	910	1400	681	50	28	FAN6409
BRA1000CO	1000	1190	1090	1640	706	50	36	FAN6410

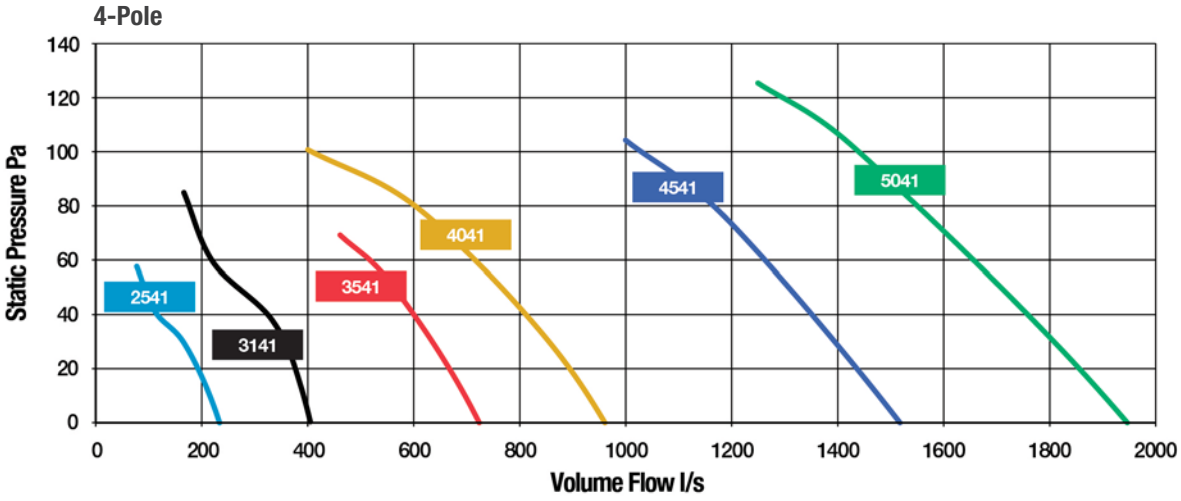
BRA ROOF MOUNTED AXIAL EXTRACT FANS

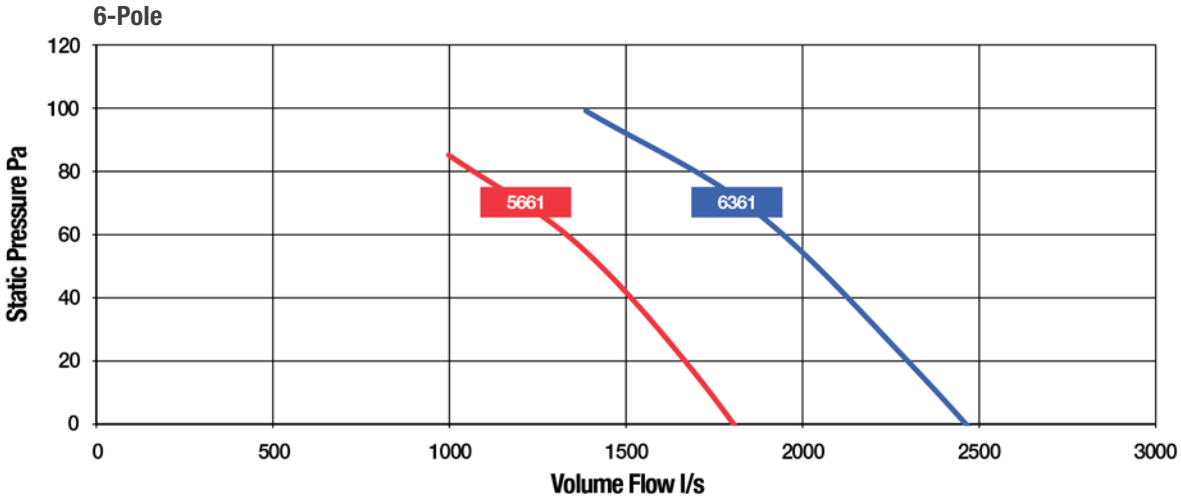
SIDE DISCHARGE - SIZES 250MM - 630MM SINGLE PHASE

- External rotor motorised impeller.
- Sickle shaped low sound impeller.
- UV stabilised Rovel polymer or polyethylene cowling.
- Speed controllable.
- Sealed for life ball bearings.
- Supply air versions are available.

BRA Roof Mounted Fan

PERFORMANCE DATA



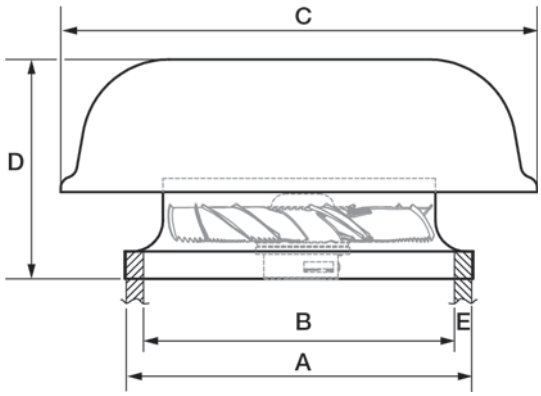


ELECTRICAL & ACOUSTIC DATA

Model No.	Speed (rev/min)	230V/50Hz/1Φ			Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)								Order Code
		Motor Input (W)	Full Load Current (A)	Max Temp (ºC)		63	125	250	500	1k	2k	4k	8k	
BRA2541	1390	69	0.53	50	40	62	59	61	60	58	56	54	43	FAN3751
BRA3041	1250	75	0.32	50	38	66	64	59	55	52	50	46	38	FAN3753
BRA3541	1340	165	0.73	60	42	76	68	61	57	57	55	52	46	FAN3759
BRA4041	1430	160	0.73	40	49	76	72	66	65	65	61	57	52	FAN3762
BRA4541	1310	490	2.36	60	48	75	68	64	63	63	63	59	57	FAN3769
BRA5041	1300	680	3.0	60	47	77	72	63	61	61	60	58	52	FAN3774
BRA5661	895	410	1.8	60	46	68	75	61	62	64	58	51	49	FAN3780
BRA6361	860	600	2.62	50	46	71	68	63	64	62	58	52	52	FAN3786

DIMENSIONAL DATA

Model No.	Dia (mm)	Dimensions (mm)					Weight (kg)
		A*	B*	C	D	E	
BRA2541	250	400	300	480	253	50	8
BRA3041	300	460	360	600	259	50	14
BRA3541	350	530	430	710	355	50	18
BRA4041	400	580	480	710	355	50	18
BRA4541	450	630	530	844	390	50	31
BRA5041	500	660	560	970	435	50	36
BRA5661	560	730	630	1150	470	50	41
BRA6361	630	810	750	1150	470	50	43



*** Upstand Construction Details**

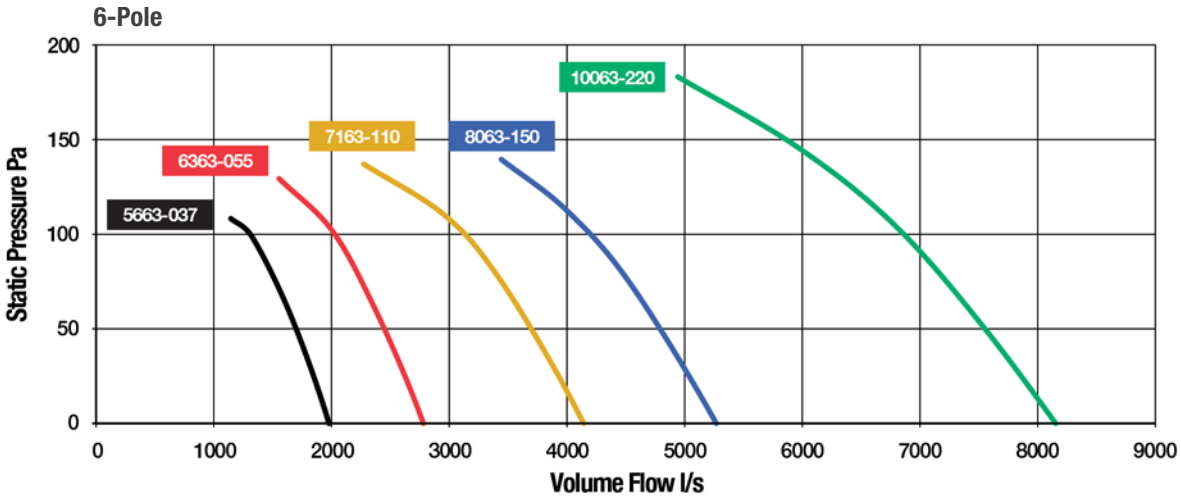
BRA ROOF MOUNTED AXIAL EXTRACT FANS

SIDE DISCHARGE - SIZES 560MM - 800MM THREE PHASE

- Axial flow aerofoil impeller.
- UV stabilised polyethylene cowling.
- Speed controllable by frequency drive.
- Sealed for life ball bearings.

BRA Roof Mounted Fan

PERFORMANCE DATA

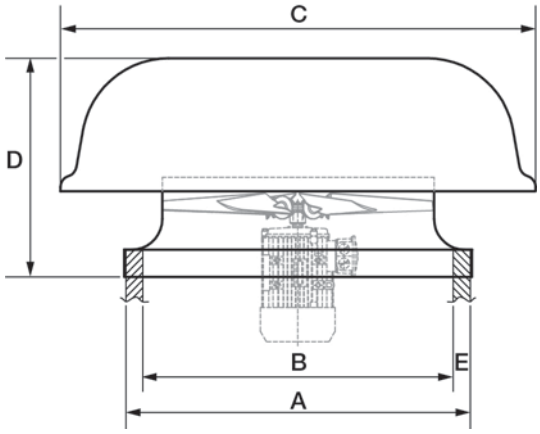


ELECTRICAL & ACOUSTIC DATA

Model No.	Speed (rev/min)	400V/50Hz/3Φ			Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)								Order Code
		Motor Input (W)	Full Load Current (A)	Max Temp (°C)		63	125	250	500	1k	2k	4k	8k	
BRA5663-037	560	0.37	1.05	50	54	69	68	69	68	68	67	69	66	FAN4360
BRA6363-055	960	0.55	1.6	50	56	71	71	71	70	70	70	71	68	FAN3788
BRA7163-110	960	1.1	2.5	50	59	75	75	74	73	73	73	73	70	FAN3793
BRA8063-150	960	1.5	3.4	50	62	80	79	77	77	78	77	76	72	FAN3797
BRA10063-220	960	3.0	6.1	50	71	85	87	90	88	88	84	81	73	FAN2520

DIMENSIONAL DATA

Model No.	Dia (mm)	Dimensions (mm)					Weight (kg)
		A	B	C	D	E	
BRA5663-037	560	730	630	950	502	50	42
BRA6363-055	630	810	710	1200	582	50	45
BRA7163-110	710	880	780	1200	602	50	61
BRA8063-150	800	1010	910	1400	681	50	65
BRA10063-220	1000	1190	1090	1640	706	50	78



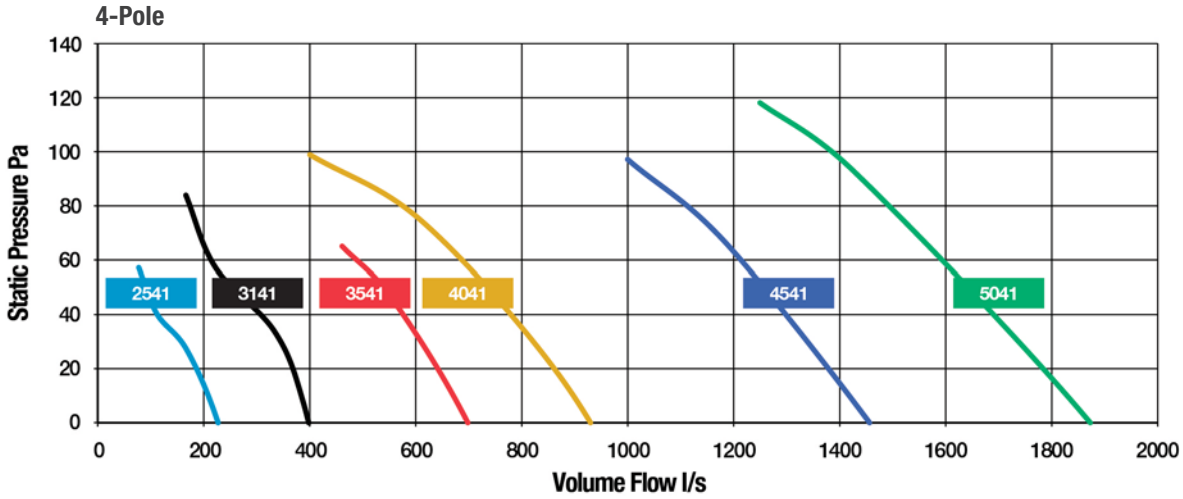
BRA-S ROOF MOUNTED AXIAL SUPPLY FANS

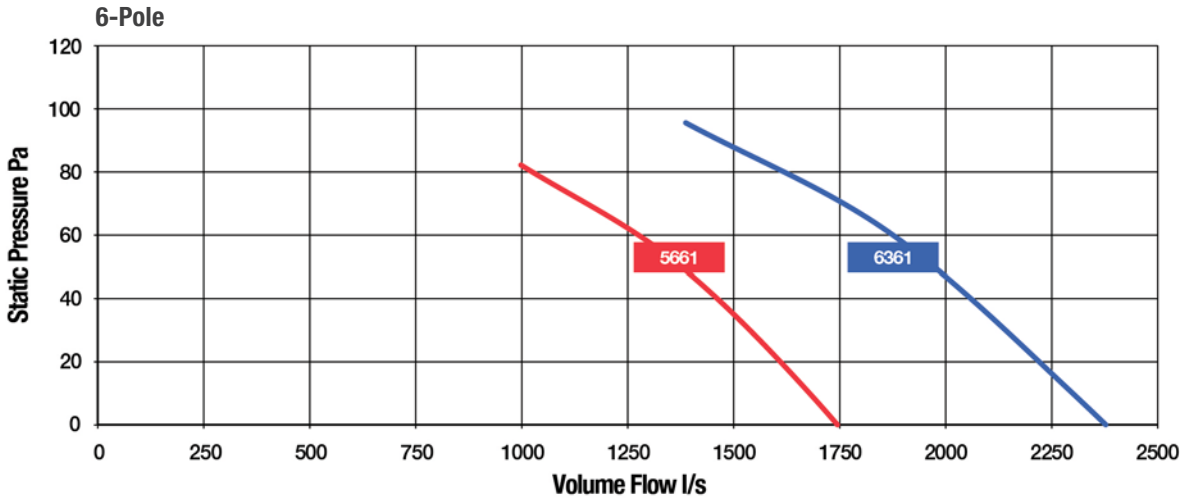
SIDE DISCHARGE - SIZES 250MM - 630MM SINGLE PHASE

- External rotor motorised impeller.
- Sickle shaped low sound impeller.
- UV stabilised Rovel polymer or polyethylene cowling.
- Speed controllable.
- Sealed for life ball bearings.
- Supply air versions are available.

BRA_S Roof Mounted Fan

PERFORMANCE DATA



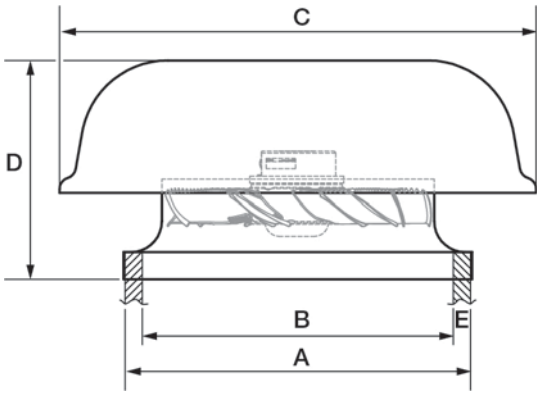


ELECTRICAL & ACOUSTIC DATA

Model No.	Speed (rev/ min)	230V/50Hz/1Φ			Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)								Order Code
		Motor Input (W)	Full Load Current (A)	Max Temp (ºC)		63	125	250	500	1k	2k	4k	8k	
BRA2541S	1390	69	0.53	50	40	62	59	61	60	58	56	54	43	FAN6724
BRA3041S	1250	75	0.32	50	38	66	64	59	55	52	50	46	38	FAN6725
BRA3541S	1340	165	0.73	60	42	76	68	61	57	57	55	52	46	FAN6726
BRA4041S	1430	160	0.73	40	49	76	72	66	65	65	61	57	52	FAN6727
BRA4541S	1310	490	2.36	60	48	75	68	64	63	63	63	59	57	FAN6728
BRA5041S	1300	680	3.0	60	47	77	72	63	61	61	60	58	52	FAN6729
BRA5661S	895	410	1.8	60	46	68	75	61	62	64	58	51	49	FAN6730
BRA6361S	860	600	2.62	50	46	71	68	63	64	62	58	52	52	FAN6731

DIMENSIONAL DATA

Model No.	Dia (mm)	Dimensions (mm)					Weight kg
		A	B	C	D	E	
BRA2541S	250	400	300	480	253	50	8
BRA3041S	300	475	375	600	259	50	14
BRA3541S	350	530	430	710	338	50	18
BRA4041S	400	580	480	710	361	50	18
BRA4541S	450	630	530	844	402	50	31
BRA5041S	500	660	560	950	502	50	36
BRA5661S	560	730	630	950	502	50	41
BRA6361S	630	810	710	1200	582	50	43



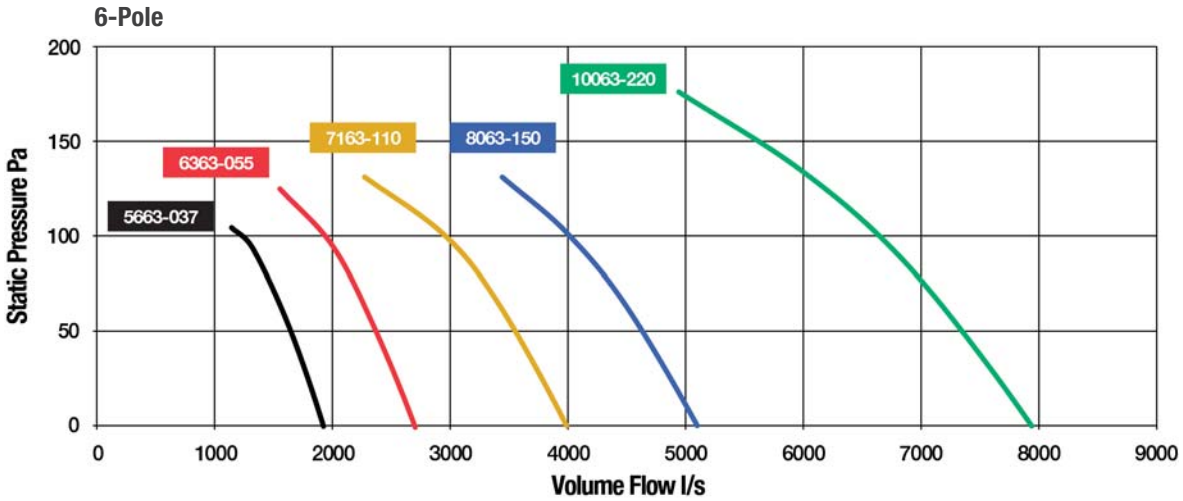
BRA-S ROOF MOUNTED AXIAL SUPPLY FANS

SIDE DISCHARGE - SIZES 560MM - 100MM THREE PHASE

- Axial flow aerofoil impeller.
- UV stabilised polyethylene cowling.
- Speed controllable by frequency drive.
- Sealed for life ball bearings.

BRA_S Roof Mounted Fan

PERFORMANCE DATA

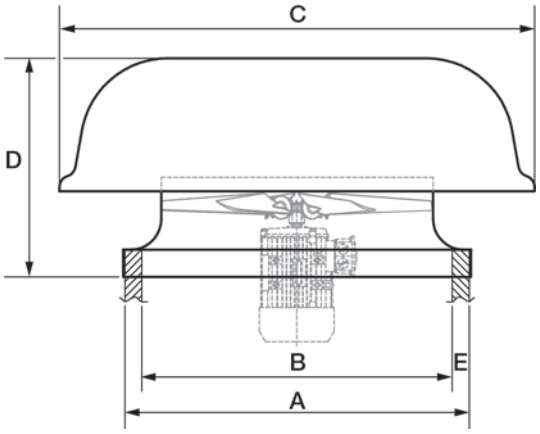


ELECTRICAL & ACOUSTIC DATA

Model No.	Speed (rev/min)	400V/50Hz/3Φ			Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)								Order Code
		Motor Input (W)	Full Load Current (A)	Max Temp (ºC)		63	125	250	500	1k	2k	4k	8k	
BRA5663S-037	560	0.37	1.05	50	54	69	68	69	68	68	67	69	66	FAN6732
BRA6363S-055	960	0.55	1.6	50	56	71	71	71	70	70	70	71	68	FAN6733
BRA7163S-110	960	1.1	2.5	50	59	75	75	74	73	73	73	73	70	FAN6734
BRA8063S-150	960	1.5	3.4	50	62	80	79	77	77	78	77	76	72	FAN6735
BRA10063S-220	960	3.0	6.1	50	71	85	87	90	88	88	84	81	73	FAN6736

DIMENSIONAL DATA

Model No.	Dia (mm)	Dimensions (mm)					Weight (kg)
		A	B	C	D	E	
BRA5663S-037	560	730	630	950	502	50	42
BRA6363S-055	630	810	710	1200	582	50	45
BRA7163S-110	710	880	780	1200	602	50	61
BRA8063S-150	800	1010	910	1400	681	50	65
BRA10063S-220	1000	1190	1090	1640	706	50	78



BRV ROOF MOUNTED AXIAL EXTRACT FANS

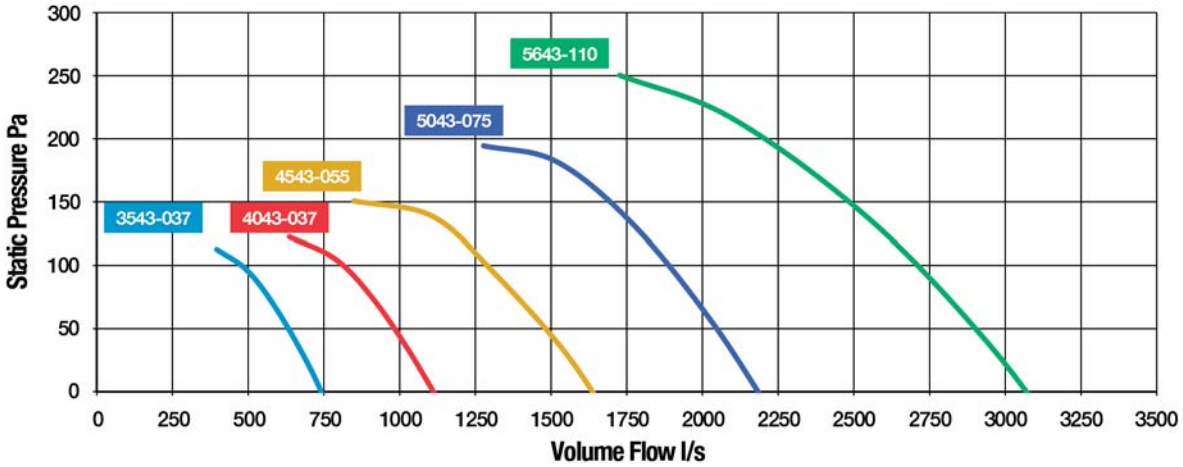
VERTICAL DISCHARGE - SIZES 350MM - 1000MM THREE PHASE

- Axial flow aerofoil impeller.
- Speed controllable by speed drive.
- Full metal construction.
- Sealed for life ball bearings.
- Smoke spill version available on request.

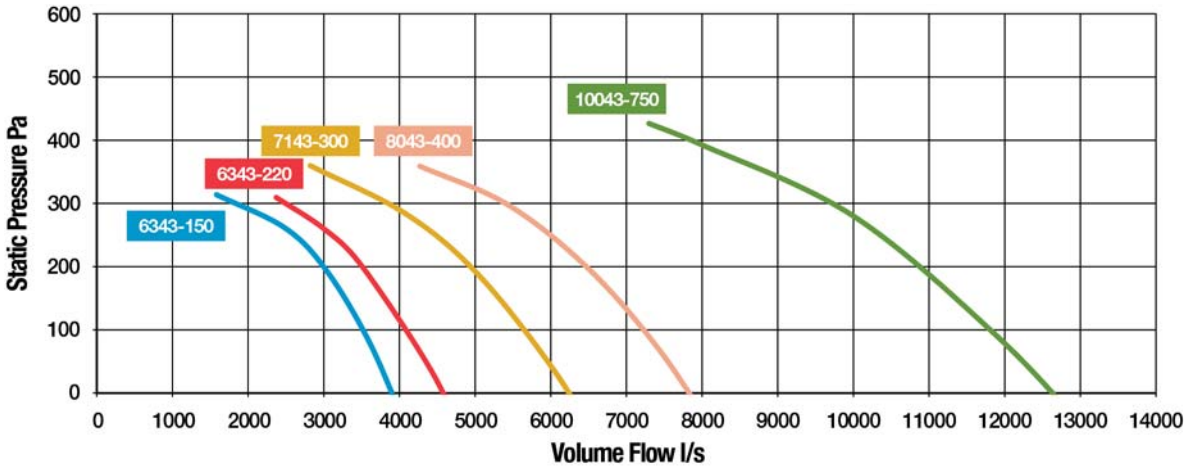
BRV Roof Mounted Fan

PERFORMANCE DATA

4-Pole, 350mm - 560mm



4-Pole, 630mm - 1000mm

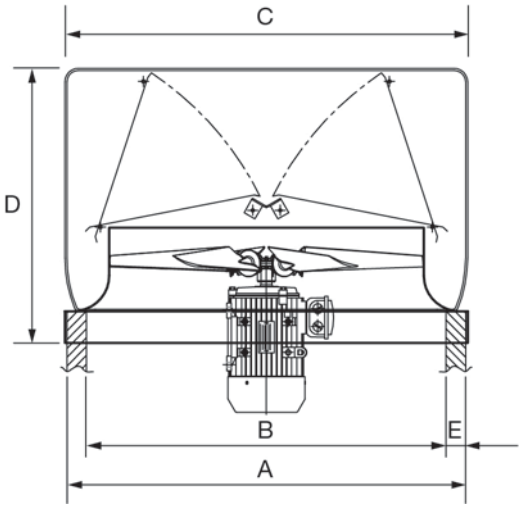


ELECTRICAL & ACOUSTIC DATA

Model No.	Speed (rev/ min)	400V/50Hz/3Φ			Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)								Order Code
		Motor Input (W)	Full Load Current (A)	Max Temp (ºC)		63	125	250	500	1k	2k	4k	8k	
BRV3543-037	1440	0.37	1.1	50	48	66	64	62	63	62	62	63	59	FAN6708
BRV4043-037	1440	0.37	1.1	50	51	69	68	66	66	66	66	65	60	FAN6709
BRV4543-055	1440	0.55	1.4	50	57	72	70	72	72	72	70	72	69	FAN6710
BRV5043-075	1440	0.75	1.7	50	60	75	73	75	75	75	74	75	72	FAN6711
BRV5643-110	1440	1.1	2.2	50	62	77	76	77	77	77	76	77	74	FAN6712
BRV6343-150	1440	1.5	3.2	50	65	83	79	80	81	80	79	80	76	FAN3902
BRV6343-220	1440	2.2	4.3	50	65	81	80	80	79	79	79	79	76	FAN6713
BRV7143-300	1440	3.0	6.1	50	67	84	83	82	82	82	82	81	78	FAN6081
BRV8043-400	1440	4.0	7.5	50	71	88	88	86	86	86	85	85	81	FAN6714
BRV10043-750	1440	7.5	13	50	79	93	95	98	96	96	92	89	81	FAN6715

DIMENSIONAL DATA

Model No.	1000Dia (mm)	Dimensions (mm)					Weight (kg)
		A	B	C	D	E	
BRV3543-037	350	530	430	540	376	50	31
BRV4043-037	400	580	480	590	400	50	36
BRV4543-055	450	630	530	640	436	50	41
BRV5043-075	500	660	560	670	485	50	46
BRV5643-110	560	730	630	740	527	50	56
BRV6343-150	630	810	710	820	575	50	62
BRV6343-220	630	810	710	820	575	50	65
BRV7143-300	710	880	780	890	617	50	78
BRV8043-400	800	1010	910	1020	700	50	96
BRV10043-750	1000	1190	1090	1200	811	50	132



BIQ-Q BOXED INLINE CENTRIFUGAL FANS

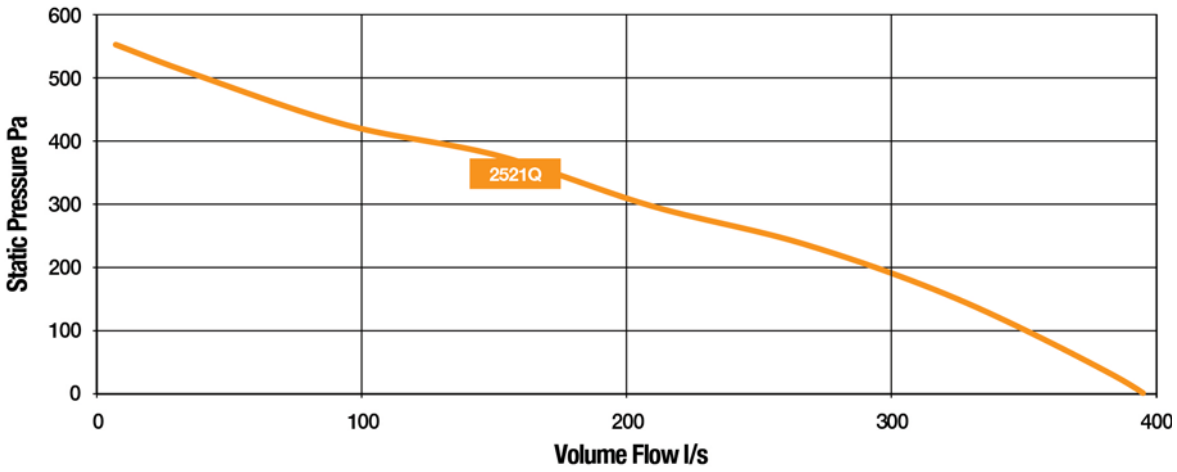
SIZES 250MMM - 560MM SINGLE PHASE

- Ziehl-Abegg Vpro low sound aerofoil impeller.
- High aerodynamic efficiency.
- No tonal noise.
- Galvanised steel housing.
- Sealed for life ball bearings.
- Speed controllable.

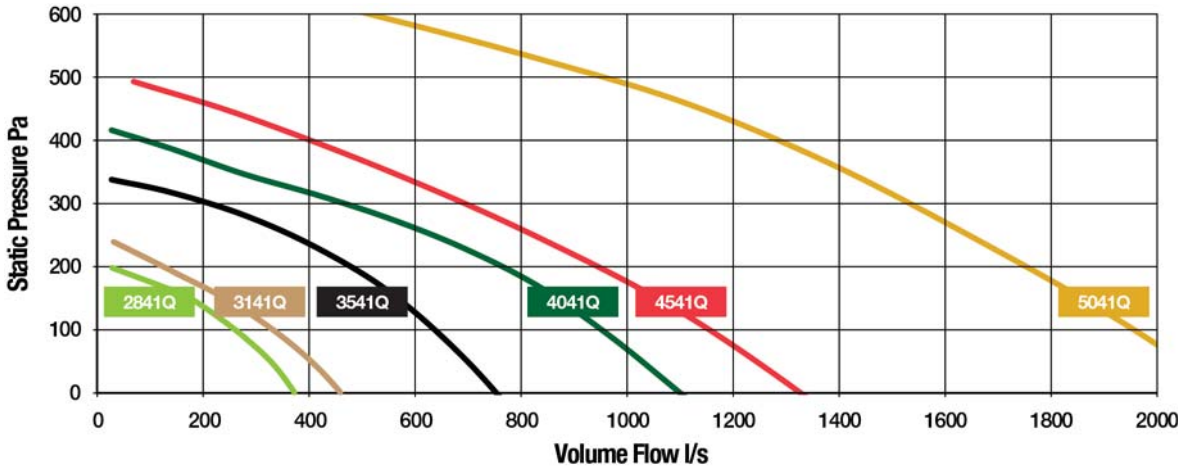
BIQ-Q Centrifugal Fan

PERFORMANCE DATA

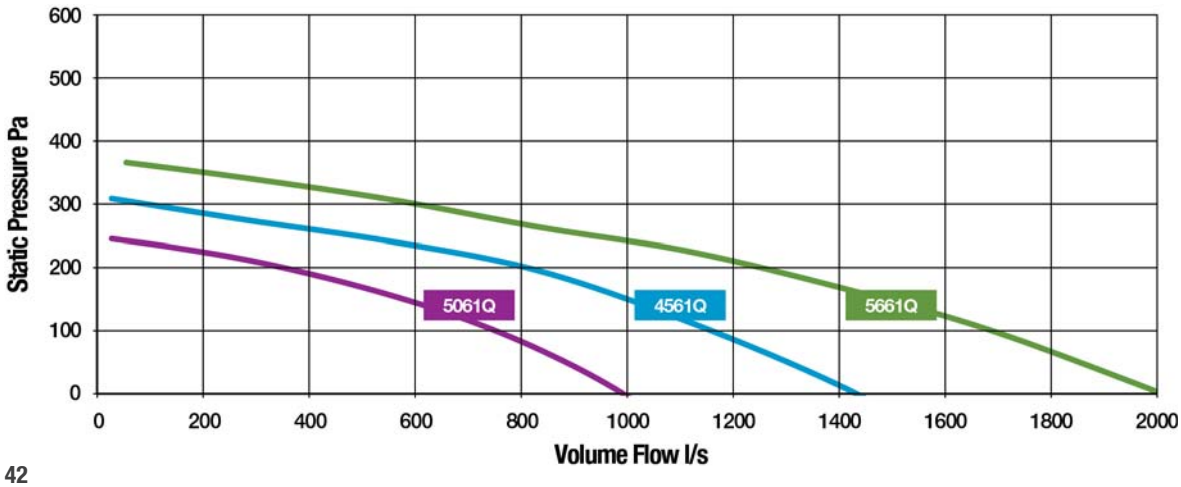
2-Pole



4-Pole



6-Pole

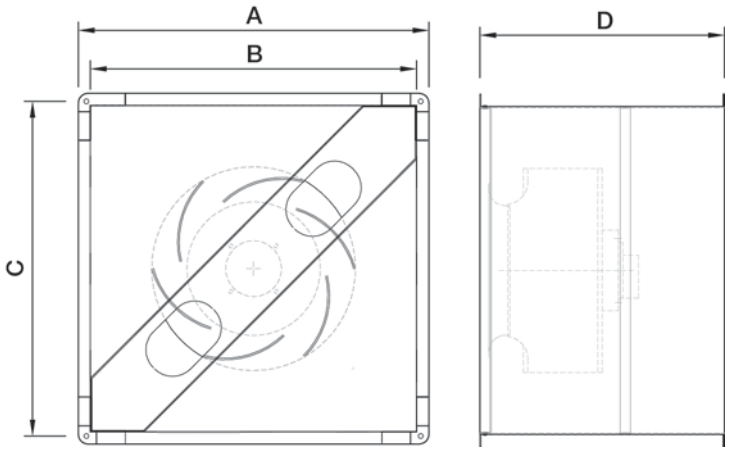


ELECTRICAL & ACOUSTIC DATA

Model No.	Speed (rev/min)	230V/50Hz/1Φ			Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)								Order Code
		Motor Input (kW)	Full Load Current (A)	Max Temp (ºC)		63	125	250	500	1k	2k	4k	8k	
BIQ2521Q	2420	0.2	0.86	60	47	78	72	66	64	61	60	61	54	FAN4336
BIQ2841Q	1360	0.11	0.53	60	39	70	63	55	56	52	51	55	46	FAN3545
BIQ3141Q	1240	0.14	0.62	60	40	71	64	56	57	53	53	55	48	FAN3689
BIQ3541Q	1390	0.27	1.3	60	42	74	72	62	59	56	51	53	51	FAN3696
BIQ4041Q	1280	0.43	1.9	60	43	71	69	63	62	55	52	48	53	FAN3705
BIQ4541Q	1230	0.62	2.8	60	47	76	72	71	64	57	53	49	51	FAN3467
BIQ4561Q	920	0.3	1.4	60	40	74	67	59	57	51	53	46	35	FAN3714
BIQ5041Q	1340	1.3	5.8	60	52	81	78	72	69	70	56	52	56	FAN4345
BIQ5061Q	910	0.45	2.2	60	41	74	68	61	58	53	51	49	44	FAN4347
BIQ5661Q	860	0.66	3	60	43	75	69	67	59	57	51	53	50	FAN3726

DIMENSIONAL DATA

Model No.	Dimensions (mm)				Weight (kg)
	A	B	C	D	
BIQ2521Q	470	400	435	400	16
BIQ2841Q	470	400	435	400	18
BIQ3141Q	470	400	435	400	19
BIQ3541Q	570	500	535	500	25
BIQ4041Q	670	600	635	500	29
BIQ4541Q	670	600	635	500	32
BIQ4561Q	670	600	635	500	32
BIQ5041Q	770	700	735	550	42
BIQ5061Q	770	700	735	550	37
BIQ5661Q	870	800	835	600	43



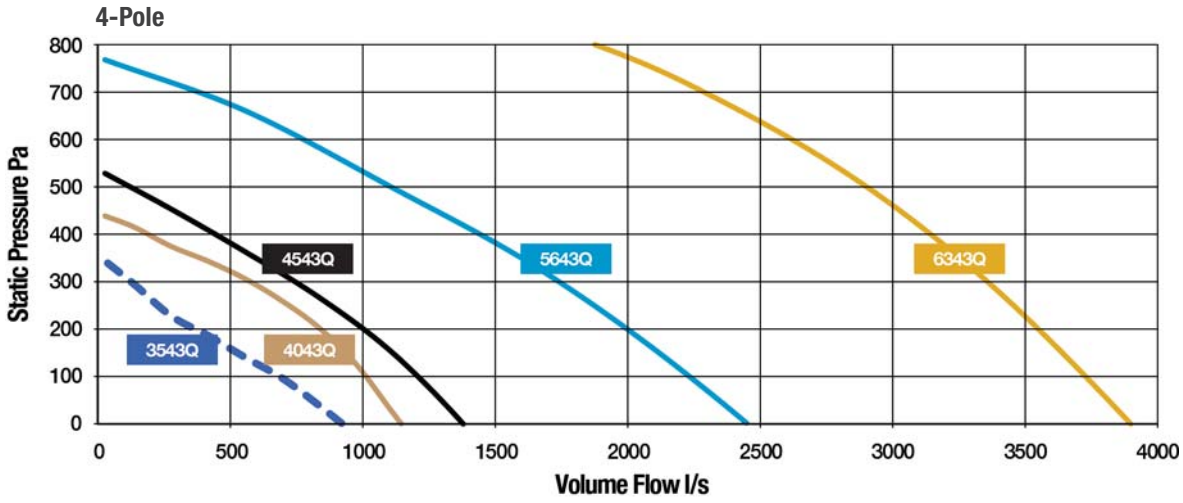
BIQ-Q BOXED INLINE CENTRIFUGAL FANS

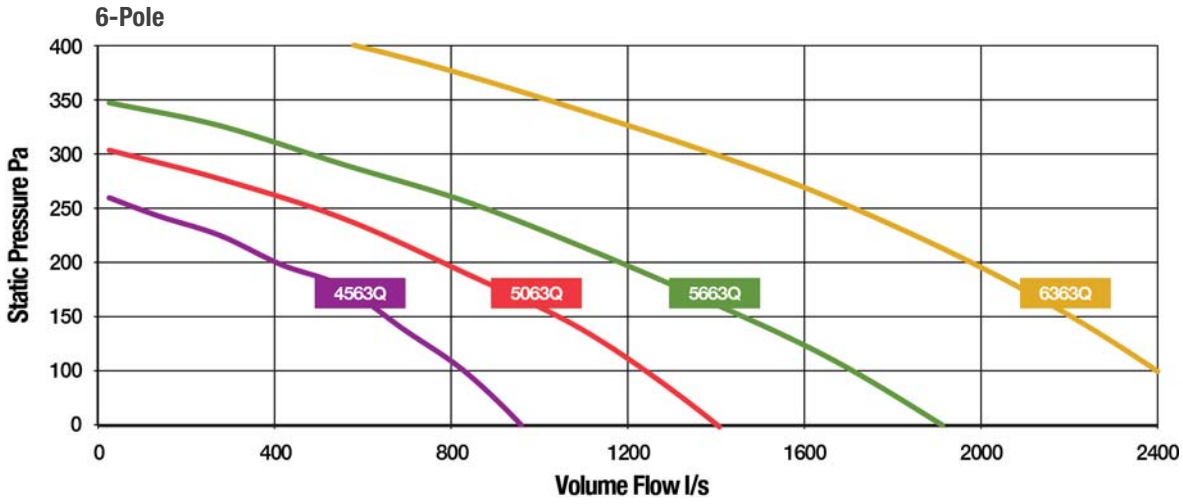
SIZES 355MM - 630MM THREE PHASE

- Ziehl-Abegg Vpro low sound aerofoil impeller.
- High aerodynamic efficiency.
- No tonal noise.
- Galvanised steel housing.
- Sealed for life ball bearings.
- Speed controllable.
- Two speed motor as standard.

BIQ-Q Centrifugal Fan

PERFORMANCE DATA



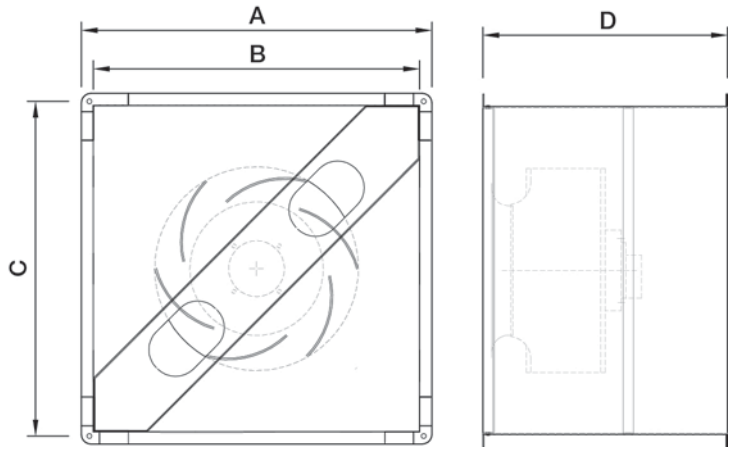


ELECTRICAL & ACOUSTIC DATA

Model No.	Speed (rev/min)	400V/50Hz/3Φ			Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)								Order Code
		Motor Input (kW)	Full Load Current (A)	Max Temp (ºC)		63	125	250	500	1k	2k	4k	8k	
BIQ3543Q	1340	0.24	0.47	60	42	74	72	62	59	56	51	53	51	FAN4337
BIQ3543Q-L	1060	0.16	0.27	60	36	68	66	56	53	50	45	47	45	FAN4338
BIQ4043Q	1320	0.44	0.77	60	43	71	69	63	62	55	52	48	53	FAN3707
BIQ4043Q-L	1010	0.31	0.5	60	39	67	65	59	58	51	48	44	49	FAN4339
BIQ4563Q	880	0.25	0.58	60	40	74	67	59	57	51	53	46	35	FAN4342
BIQ4563Q-L	610	0.14	0.3	60	32	66	59	51	49	43	45	38	27	FAN4344
BIQ4543Q	1250	0.65	1.3	55	47	76	72	71	64	57	53	49	51	FAN3713
BIQ4543Q-L	890	0.36	0.67	55	38	67	63	62	55	48	44	40	42	FAN4340
BIQ5063Q	870	0.42	0.93	55	44	74	68	61	58	53	51	49	44	FAN4348
BIQ5063Q-L	590	0.23	0.49	55	40	70	64	57	54	49	47	45	40	FAN4349
BIQ5043Q	1330	1.2	2.2	55	54	81	78	72	69	70	56	52	56	FAN3719
BIQ5043Q-L	1040	0.83	1.4	55	48	75	72	66	63	64	50	46	50	FAN4346
BIQ5663Q	800	0.61	1.05	40	43	75	69	67	59	57	51	53	50	FAN4351
BIQ5663Q-L	550	0.33	0.55	40	32	68	62	60	52	50	44	46	43	FAN4352
BIQ5643Q	1180	1.7	3.3	50	52	76	81	73	68	63	58	56	62	FAN3725
BIQ5643Q-L	800	0.82	1.6	50	43	67	72	64	59	54	49	47	53	FAN4350
BIQ6363Q	850	1.1	2.2	60	46	81	75	71	62	59	57	56	52	FAN4358
BIQ6363Q-L	640	0.65	1.15	60	39	75	64	61	54	53	48	55	42	FAN4359
BIQ6343Q	1360	3.9	6.6	50	61	86	87	82	77	78	71	69	64	FAN4355
BIQ6343Q-L	1100	2.8	4.6	50	57	82	83	78	73	74	67	65	60	FAN4357

DIMENSIONAL DATA

Model No.	Dimensions (mm)				Weight (kg)
	A	B	C	D	
BIQ3543Q	570	500	535	500	25
BIQ4043Q	670	600	635	500	29
BIQ4543Q	670	600	635	500	32
BIQ4563Q	670	600	635	500	32
BIQ5043Q	770	700	735	550	42
BIQ5063Q	770	700	735	550	37
BIQ5643Q	870	800	835	600	53
BIQ5663Q	870	800	835	600	47
BIQ6343Q	870	800	835	600	78
BIQ6363Q	870	800	835	600	61



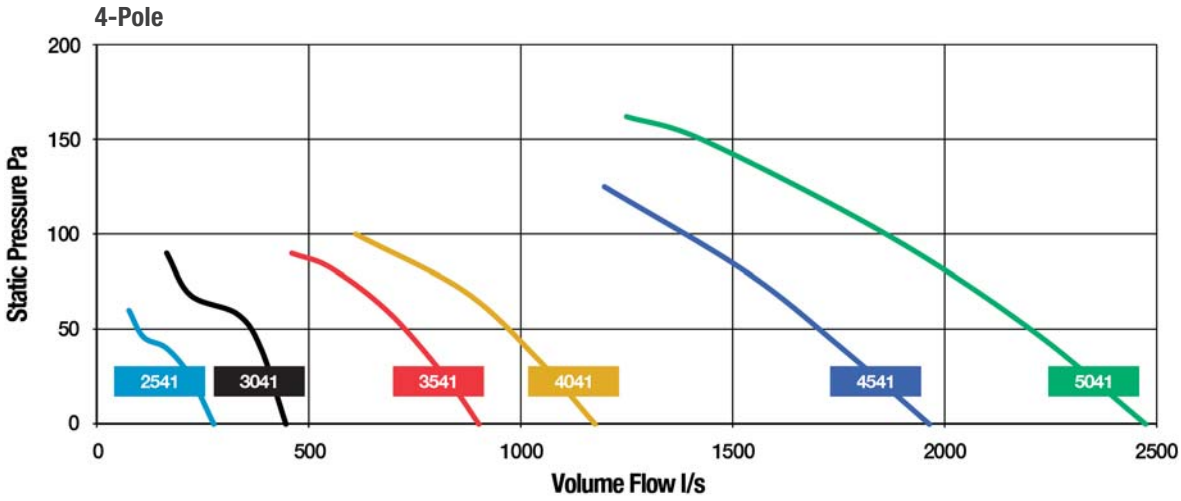
BAF FLANGED INLINE AXIAL FANS

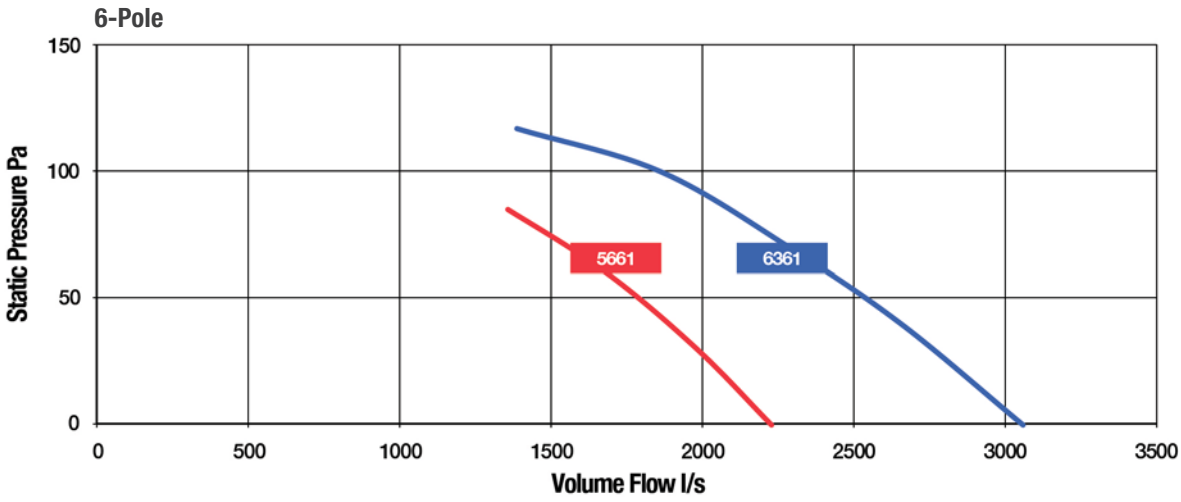
SIZES 250MM - 630MM SINGLE PHASE

- External rotor motorised impeller.
- Sickle shaped low sound impeller.
- Speed controllable.
- Sealed for life ball bearings.

BAF Axial Fan

PERFORMANCE DATA



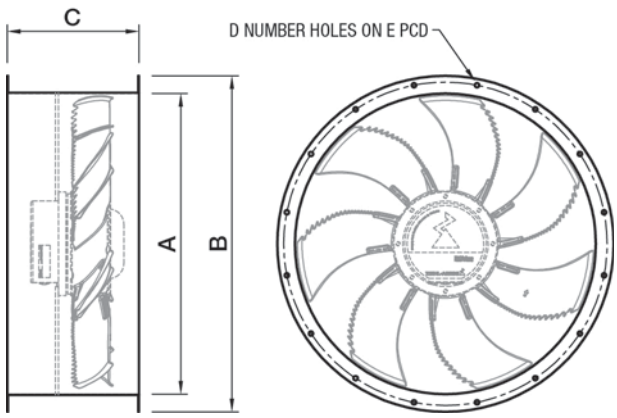


ELECTRICAL & ACOUSTIC DATA

Model No.	Speed (rev/ min)	230V/50Hz/1Φ			Sound Pressure Level (dBA@3m)	Inlet Sound Power Level (dB re 10^{-12} Watts)								Order Code
		Motor Input (W)	Full Load Current (A)	Max Temp (°C)		63	125	250	500	1k	2k	4k	8k	
BAF2541	1390	69	0.53	50	40	62	59	61	60	58	56	54	43	FAN4311
BAF3041	1250	75	0.32	50	38	66	64	59	55	52	50	46	38	FAN4070
BAF3541	1340	165	0.73	60	42	76	68	61	57	57	55	52	46	FAN4071
BAF4041	1430	160	0.73	40	49	76	72	66	65	65	61	57	52	FAN3626
BAF4541	1310	4-90	2.36	60	48	75	68	64	63	63	63	59	57	FAN3629
BAF5041	1300	680	3.0	60	47	77	72	63	61	61	60	58	52	FAN3631
BAF5661	895	410	1.8	60	46	68	75	61	62	64	58	51	49	FAN4313
BAF6361	860	600	2.62	50	46	71	68	63	64	62	58	52	52	FAN4314

DIMENSIONAL DATA

Model No.	Dimensions (mm)					Weight (kg)
	A	B	C	D	E	
BAF2541	250	320	350	8	285	5
BAF3041	300	380	350	8	355	6
BAF3541	350	420	350	8	395	7
BAF4041	400	480	350	8	450	10
BAF4541	450	530	350	8	500	11
BAF5041	500	590	350	12	560	15
BAF5661	560	650	350	12	620	17
BAF6361	630	720	350	12	690	22



Available with optional feet flange

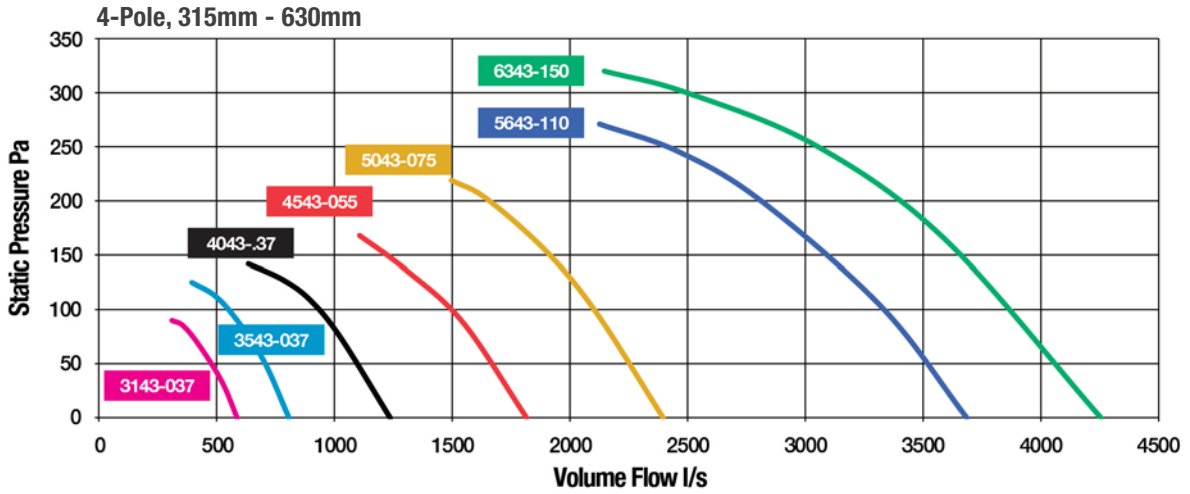
BAX CASED INLINE AXIAL FANS

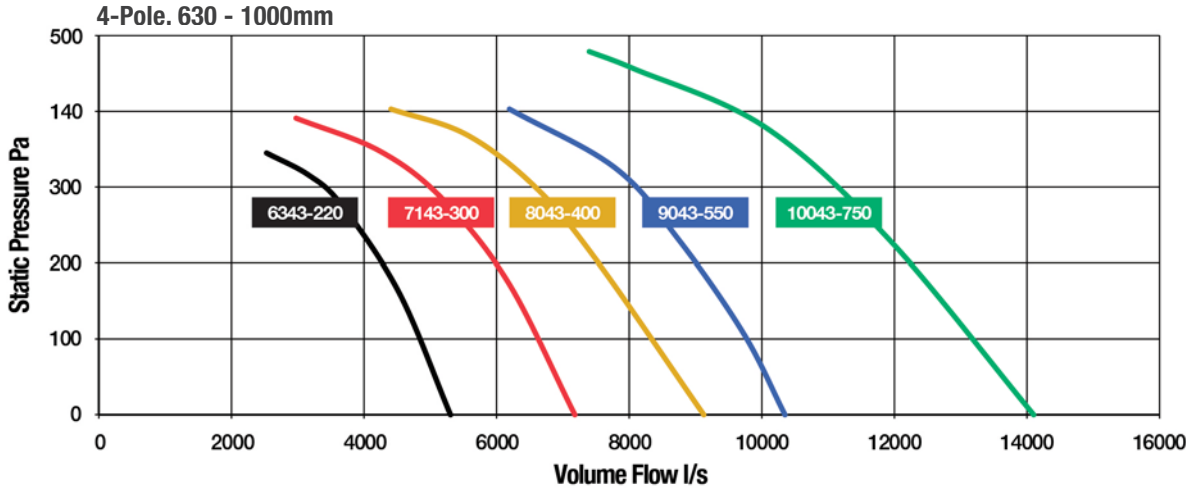
SIZES 315MM - 1000MM THREE PHASE

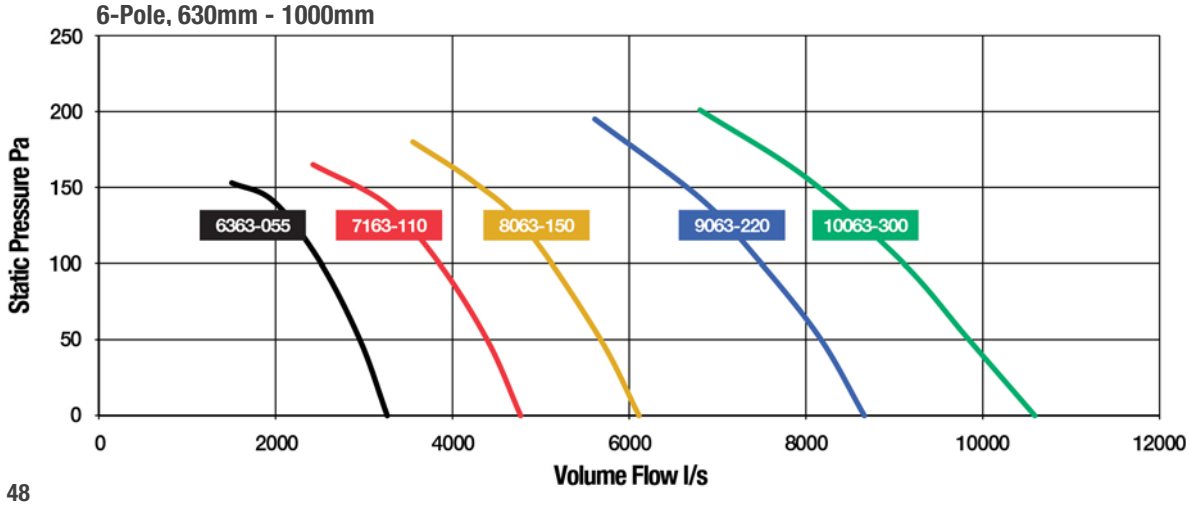
- Axial flow aerofoil impeller.
- Galvanised steel casing.
- Speed controllable with variable frequency drive.

BAX Axial Fan

PERFORMANCE DATA





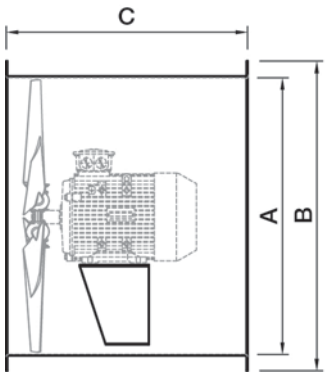


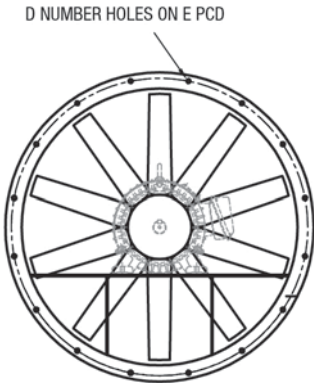
ELECTRICAL & ACOUSTIC DATA

Model No.	Speed (rev/min)	400V/50Hz/3Φ			Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)								Order Code
		Motor Input (kW)	Full Load Current (A)	Max Temp (°C)		63	125	250	500	1k	2k	4k	8k	
BAX3143-037	1440	0.37	1.1	50	47	64	64	62	61	61	61	61	58	FAN4323
BAX3543-037	1440	0.37	1.1	50	48	66	64	62	63	62	62	63	59	FAN4324
BAX4043-037	1440	0.37	1.1	50	51	69	68	66	66	66	66	65	60	FAN4327
BAX4543-055	1440	0.55	1.4	50	57	72	70	72	72	72	70	72	69	FAN5580
BAX5043-075	1440	0.75	1.7	50	60	75	73	75	75	75	74	75	72	FAN5593
BAX5643-110	1440	1.1	2.2	50	62	77	76	77	77	77	76	77	74	FAN5517
BAX6343-150	1440	1.5	3.2	50	65	83	79	80	81	80	79	80	76	FAN6716
BAX6343-220	1440	2.2	4.3	50	65	81	80	80	79	79	79	79	76	FAN6301
BAX6363-055	960	0.55	1.6	50	56	71	71	71	70	70	70	71	68	FAN6717
BAX7143-300	1440	3.0	6.1	50	67	84	83	82	82	82	82	81	78	FAN5636
BAX7163-110	960	1.1	2.5	50	59	75	75	74	73	73	73	73	70	FAN6718
BAX8043-400	1440	4.0	7.5	50	71	88	88	86	86	86	85	85	81	FAN4333
BAX8063-150	960	1.5	3.4	50	62	80	79	77	77	78	77	76	72	FAN6719
BAX9043-550	1440	5.5	9.8	50	74	92	92	90	90	90	88	86	78	FAN6614
BAX9063-220	960	2.2	5.2	50	68	83	83	82	81	82	80	78	70	FAN6720
BAX710043-750	1440	7.5	13	50	79	93	95	98	96	96	92	89	81	FAN6722
BAX710063-300	960	3.0	6.1	50	71	85	87	90	88	88	84	81	73	FAN6721

DIMENSIONAL DATA

Model No.	Dimensions (mm)					Weight (kg)
	A	B	C	D	E	
BAX3143-037	310	395	375	8	355	15
BAX3543-037	350	435	375	8	395	17
BAX4043-037	400	480	450	8	450	20
BAX4543-055	450	530	450	12	500	24
BAX5043-075	500	590	500	12	560	29
BAX5643-110	560	650	500	12	620	38
BAX6343-150	630	720	500	12	690	45
BAX6343-220	630	720	500	12	690	52
BAX6363-055	630	720	500	12	690	42
BAX7143-300	710	800	500	16	770	68
BAX7163-110	710	800	500	16	770	58
BAX8043-400	800	890	500	16	860	88
BAX8043-150	800	890	500	16	860	80
BAX9043-550	900	1005	700	16	970	98
BAX9063-220	900	1005	700	16	970	91
BAX10043-750	1000	1105	700	16	1070	111
BAX10063-300	1000	1105	700	16	1070	98





KD CASED INLINE MIXED FLOW FANS

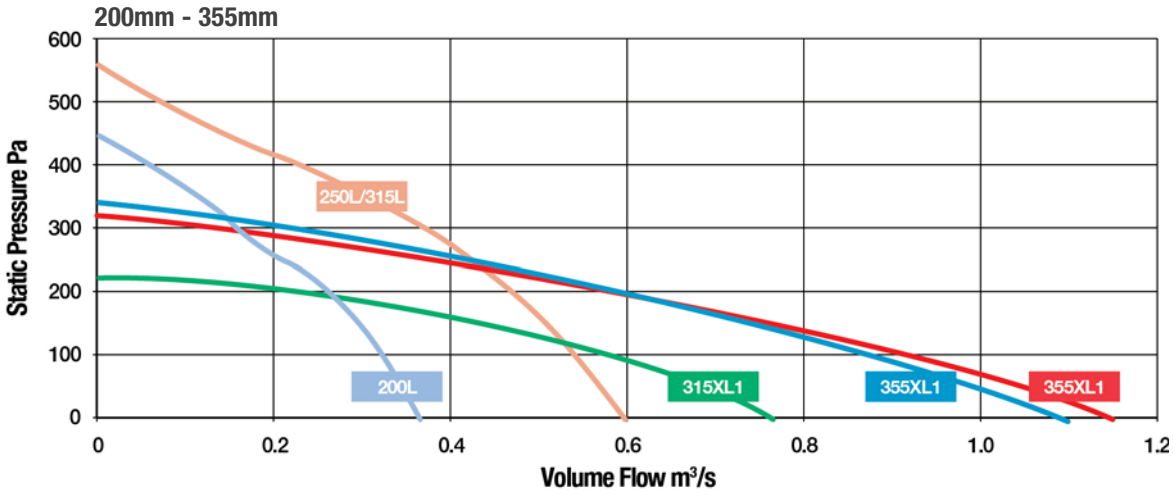
SIZES 200MM - 500MM SINGLE/THREE PHASE

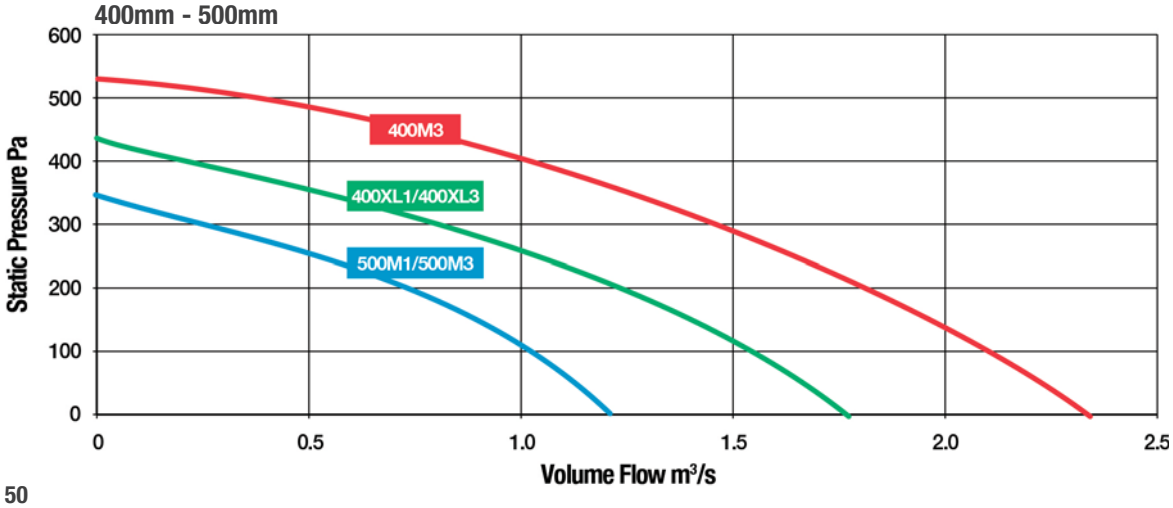
- High quality external rotor ball bearing motors.
- Designed for applications that require high airflows with low relative noise.
- Manufactured from powder coated galvanised steel.
- Speed controllable.
- Integrated thermal contacts.
- Brackets are supplied with the fan for ease of installation.

KD Mixed Flow Fan

Duct Size (mm)	Phase	Model No.	Performance	Order Code
200	Single	KD200L	366 l/s, 1318m³/hr	(on request)
250	Single	KD250L	551 l/s, 1840m³/hr	FAN0006
315	Single	KD315L	593 l/s, 2135m³/hr	(on request)
	Single	KD315XL1	768 l/s, 2830m³/hr	(on request)
355	Single	KD355XL1	1113 l/s, 4080m³/hr	FAN2409
400	Single	KD400M1	1155 l/s, 4158m³/hr	FAN5558
	Three	KD400M3	1241 l/s, 4468m³/hr	(on request)
	Single	KD400XL1	1709 l/s, 6152m³/hr	FAN2087
	Three	KD400XL3	1777 l/s, 6397m³/hr	(on request)
500	Single	KD500M1	2369 l/s, 8528m³/hr	(on request)
	Three	KD500M3	2344 l/s, 8438m³/hr	(on request)

PERFORMANCE DATA





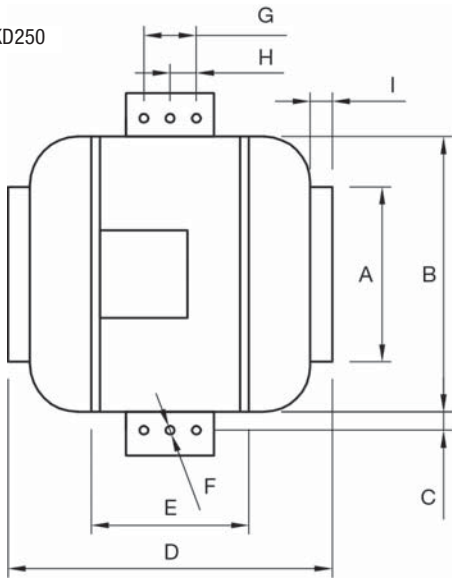
ELECTRICAL & ACOUSTIC DATA

Model No.	Speed (rev/ min)	230V - 400V/50Hz/1Φ- 3Φ			Sound Pressure Level (dBA@3m)	LWA Inlet Mid-frequency band, Hz								Order Code
		Motor Input (W)	Full Load Current (A)	Max Temp (ºC)		63	125	250	500	1k	2k	4k	8k	
KD200L	2565	256	1.14	55	53	60	70	72	76	70	64	63	57	(on request)
KD250L	2595	370	1.61	70	55	55	73	76	78	74	71	71	64	FAN0006
KD315L	2590	372	1.62	70	53	58	69	71	75	75	71	69	67	(on request)
KD315XL1	1375	275	1.29	70	52	60	63	68	70	68	61	56	46	(on request)
KD355XL1	1310	450	2.0	70	52	63	68	70	72	66	64	58	50	FAN2409
KD400M1	1310	457	2.03	70	53	52	73	71	69	64	61	60	54	FAN5558
KD400M3	1390	475	0.93	70	54	54	76	72	70	67	63	62	57	(on request)
KD400XL1	1270	893	4.3	65	58	55	79	78	78	71	68	66	58	FAN2087
KD400XL3	1325	861	1.6	67	57	53	78	77	77	71	68	66	58	(on request)
KD500M1	1290	1385	6.1	60	64	69	75	75	75	73	72	65	59	(on request)
KD500M3	1330	1267	2.23	60	60	66	77	78	78	75	73	66	60	(on request)

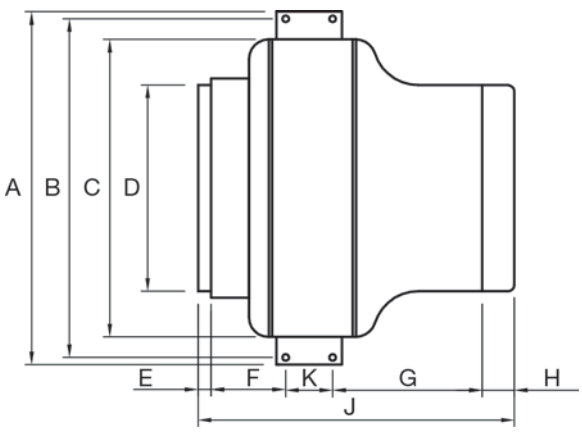
DIMENSIONAL DATA

Models	Dimensions (mm)										
	A	B	C	D	E	F	G	H	I	J	K
KD200L	200	315	21	370	180	10	60	30	25	-	-
KD250L	305	355	21	250	205	10	60	30	25	-	-
KD315L	385	355	21	315	205	10	60	30	25	-	-
KD315XL1	540	518	455	315	20	114	168	49	100	484	10 (4x)
KD355XL1	590	568	503	355	38	160	178	40	100	516	10 (4x)
KD400M1/M3	590	568	503	400	38	101	142	40	100	480	10 (4x)
KD400XL1/L3	662	625	560	400	37	143	178	44	200	602	12 (4x)
KD500M1/M3	758	721	663	500	46	98	176	46	200	643	12 (4x)

KD200/KD250



KD315/KD400/KD500



IMF INLINE MIXED FLOW ARCTIC FANS

SIZES 200MM - 500MM SINGLE/THREE PHASE

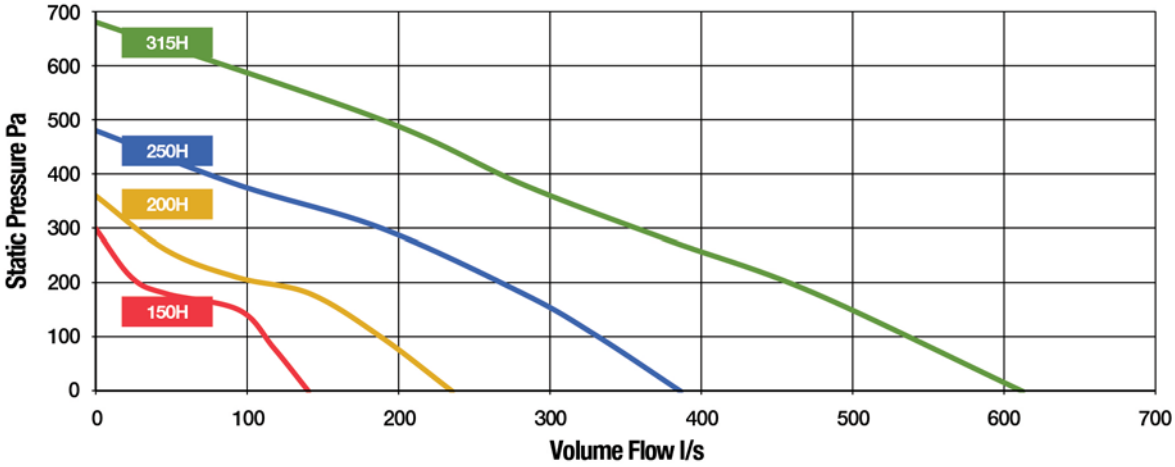
- Low noise for apartments, offices, hotel rooms applications.
- Speed controllable.
- Sealed for life ball bearings.

IMF Mixed Flow Arctic Fan

IMFSIL Silent Mixed Flow Arctic Fan

PERFORMANCE DATA

IMFH



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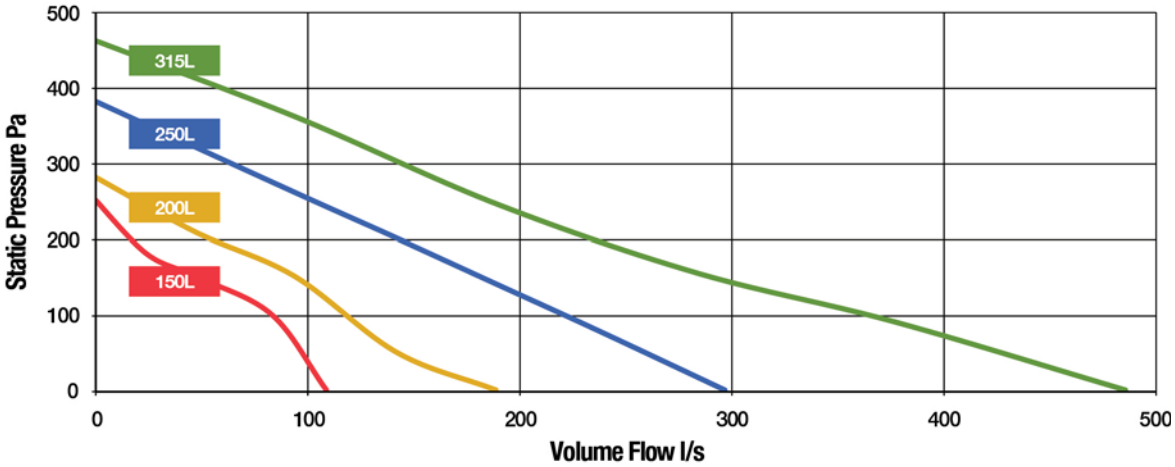

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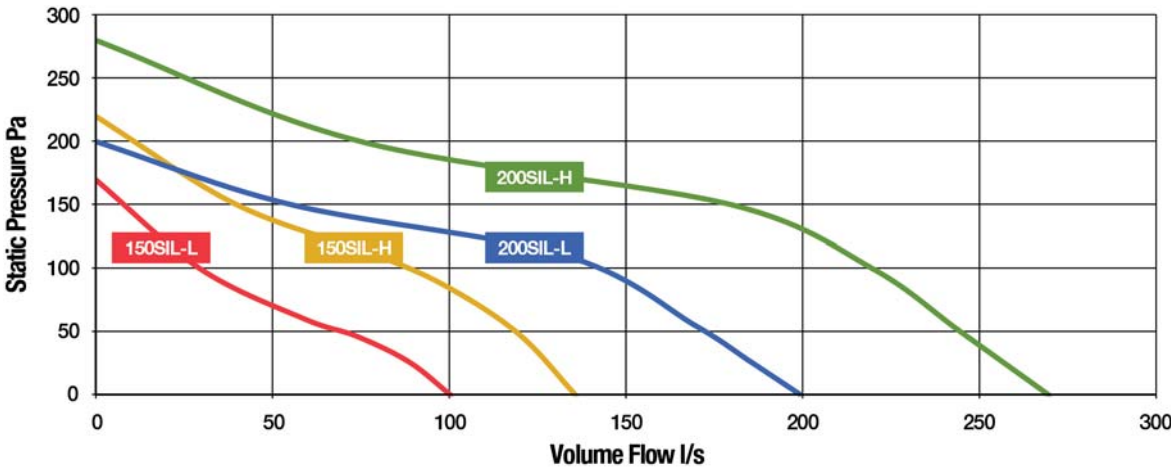
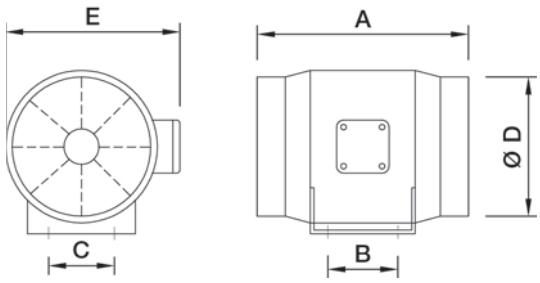


ELECTRICAL & ACOUSTIC DATA

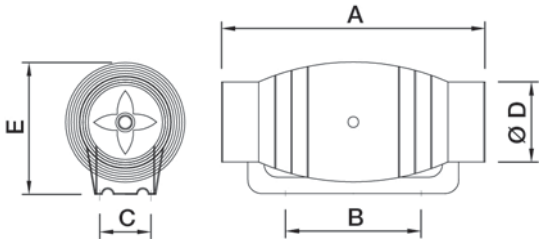
Model No.	Speed (rev/ min)	230V - 400V/50Hz/1Φ- 1Φ			Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)								Order Code
		Motor Input (W)	Full Load Current (A)	Max Temp (ºC)		63	125	250	500	1k	2k	4k	8k	
IMF150H	2550	54	0.24	60	42	58	55	61	61	58	57	49	42	FAN6580
IMF150L	1850	48	0.21	60	36	49	48	55	54	51	51	43	32	FAN6580
IMF200H	2450	128	0.57	60	48	60	58	63	60	62	65	57	53	FAN6581
IMF200L	1950	123	0.52	60	42	55	53	56	54	56	58	55	48	FAN6581
IMF250H	2450	225	1.02	60	49	65	60	64	62	64	64	60	50	FAN6582
IMF250L	1850	165	0.75	60	45	50	51	58	57	60	62	57	42	FAN6582
IMF315H	2350	380	1.9	60	54	67	62	68	67	69	69	65	56	FAN6583
IMF315L	1650	275	1.4	60	51	64	59	65	64	67	65	62	52	FAN6583
IMF150SILH	2500	50	0.25	60	40	49	49	57	59	57	52	47	42	FAN6584
IMF150SILL	1850	43	0.2	60	36	47	46	54	55	53	49	42	38	FAN6584
IMF200SILH	2450	140	0.6	60	44	53	54	56	60	60	58	55	50	FAN6585
IMF200SILL	1850	135	0.58	60	41	50	51	54	58	59	55	47	42	FAN6585

DIMENSIONAL DATA

Model No.	Dimensions (mm)					Weight (kg)
	A	B	C	D	E	
IMF150H	295	80	60	147	227	2.7
IMF150L	295	80	60	147	227	2.7
IMF200H	302	100	94	198	249.5	4.9
IMF200L	302	100	94	198	249.5	4.9
IMF250H	383	150	150	258	310	7.5
IMF250L	383	150	150	258	310	7.5
IMF315H	446	181	178	312	386	11.3
IMF315L	446	181	178	312	386	11.3
IMF150SILH	488	251	95	148	243.5	4.0
IMF150SILL	488	251	95	148	243.5	4.0
IMF200SILH	567	339	127.7	198.3	301	4.9
IMF200SILL	567	339	127.7	198.3	301	4.9



IMF Mixed Flow Arctic Fan



IMFSIL Silent Mixed Flow Arctic Fan

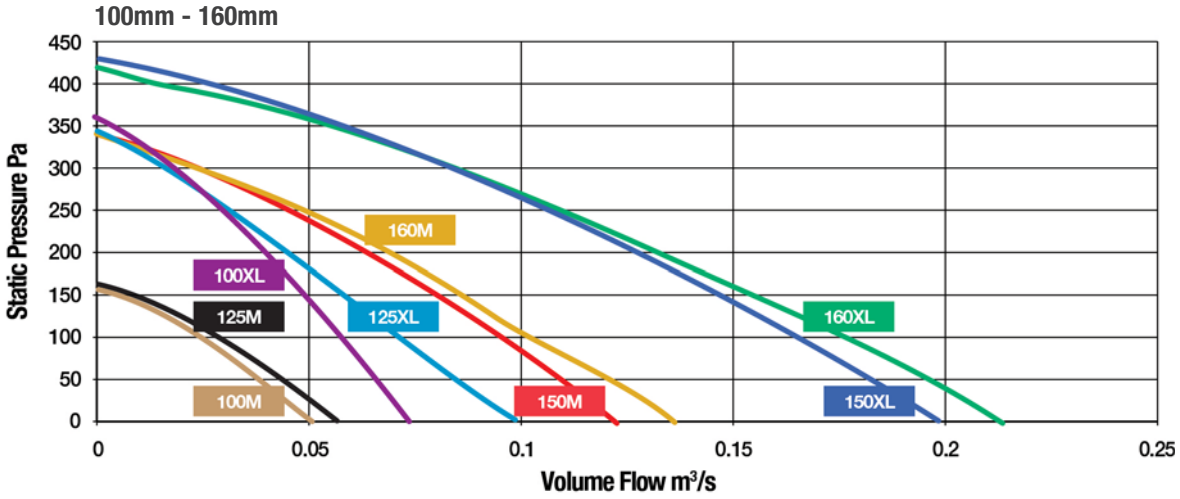
K-SERIES INLINE CENTRIFUGAL FANS

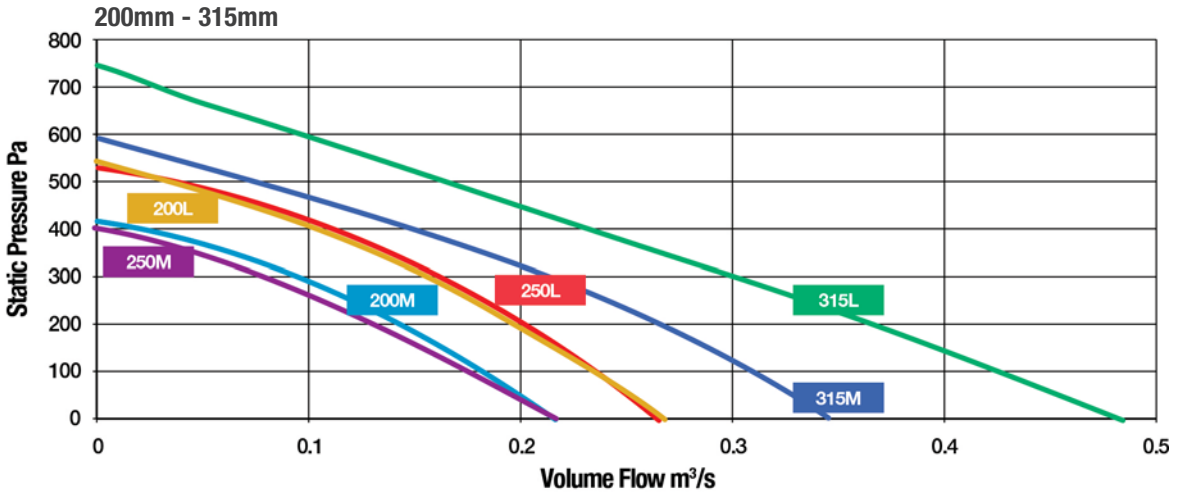
METAL

- High efficiency backward curve motorised impeller.
- Full metal construction.
- Suitable for outside applications.
- Speed-controllable.
- Sealed for life ball bearings.

K-Series Inline Centrifugal Fan

PERFORMANCE DATA



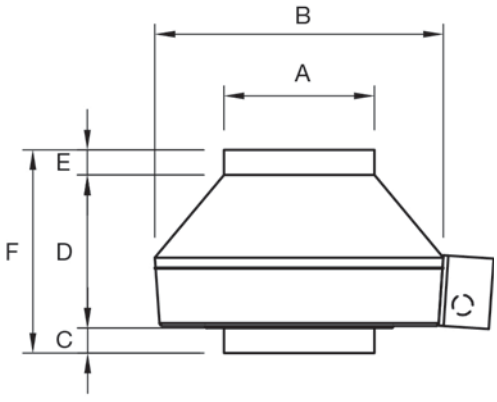


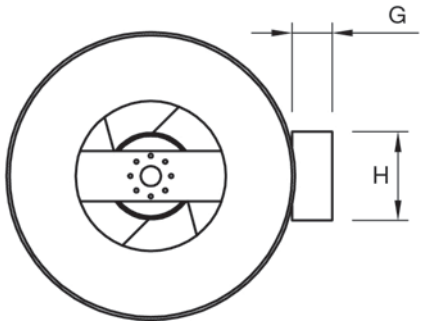
ELECTRICAL, TECHNICAL & PERFORMANCE DATA

Model No.	Speed (rev/min)	230V/50Hz/1Φ			Sound Pressure Level (dBA@3m)	Capacitor (uF)	Order Code
		Motor Input (W)	Full Load Current (A)	Max Temp (°C)			
100M	2443	30	0.17	70	38	-	(on request)
100XL	2425	58	0.25	70	48	2	(on request)
125M	2483	29	0.17	70	34	-	(on request)
125XL	2390	62	0.27	70	50	2	(on request)
150M	2412	61	0.26	70	42	2	FAN5451
150XL	2567	104	0.45	70	55	3	FAN5452
200M	2551	106	0.46	70	51	3	FAN5454
200L	2555	145	0.63	50	48	3.5	FAN5453
250M	2566	104	0.45	70	49	3	FAN5456
250L	2562	145	0.46	70	43	3.5	FAN5455
315M	2520	201	0.88	50	46.5	5	FAN5678
315L	2318	318	1.39	50	50	7	FAN5457

DIMENSIONAL DATA

Model No.	Dimensions (mm)								Weight (kg)
	A	B	C	D	E	F	G	H	
100M	99	218	26	166	26	218	40	88	2.5
100XL	99	246	26	161	26	213	40	88	2.5
125M	124	218	27	142	27	196	40	88	2.5
125XL	124	246	26	151	26	203	40	88	2.5
150M	149	286	25	152	25	202	40	88	2.5
150XL	14	336	29	171	26	226	40	88	3.5
200M	199	336	30	148	27	205	40	88	4.5
200L	199	336	30	174	27	231	40	88	4.8
250M	249	336	30.5	119.5	27	177	40	88	4.0
250L	249	336	30.5	144.5	27	202	40	88	4.6
315M	314	408	32.5	160	27	220	40	88	5.5
315L	314	408	37.5	160.5	27	225	40	88	6.6





SIMX WHISPERVENT INLINE CENTRIFUGAL FANS

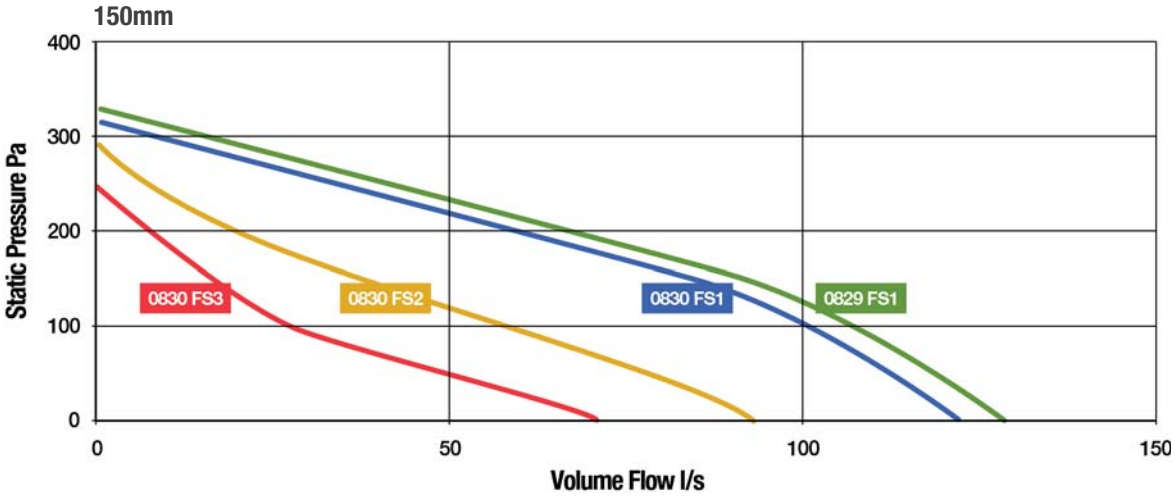
LOW PROFILE MODELS

- Suitable for a variety of domestic and commercial applications, this inline centrifugal fan offers high performance with a low profile design to enable this unit to be installed in confined spaces.
- Backward curved centrifugal motorised impeller.
- On-board switch for three speed operation selection.
- Speed controllable.
- Sealed for life ball bearings.

Model No	Duct Size	Performance	Order Code
WVILP150-1	150mm	124 l/s, 445m³/hr	FAN0829
WVILP150-3	150mm	118 l/s, 425m³/hr	FAN0830

Simx 150mm WhisperVent low profile

PERFORMANCE DATA

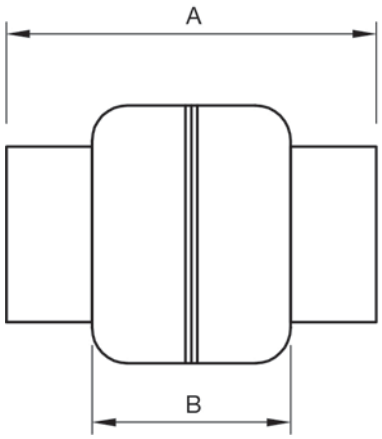


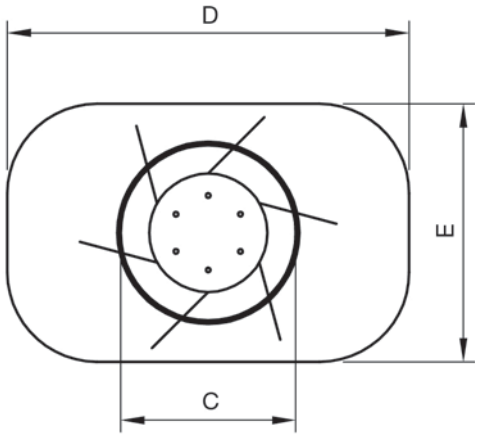
TECHNICAL SPECIFICATION

Model No.	Fan Speed	Speed (rev/min)	230V/50Hz/1Φ			Sound Pressure Level (dBA@3m)	Sound Power Levels LwA (dB) Octave band centre frequency in Hz								Order Code
			Motor Input (W)	Full Load Current (A)	Max Temp (ºC)		63	125	250	500	1k	2k	4k	8k	
WVILP150-3	1	1440	50	0.22	60	30	-	20	34	43	43	44	40	30	FAN0830
	2	1060	56	0.24	60	36	-	26	40	51	51	52	45	38	
	3	2460	80	0.36	60	43	-	40	42	62	64	64	59	45	
WVILP150-1	1	2520	80	0.36	60	43	57	61	68	67	65	64	59	53	FAN0829

DIMENSIONAL DATA

Models	A	B	C	D	E
WhisperVent Low Profile	313	168	148	Ø340	218





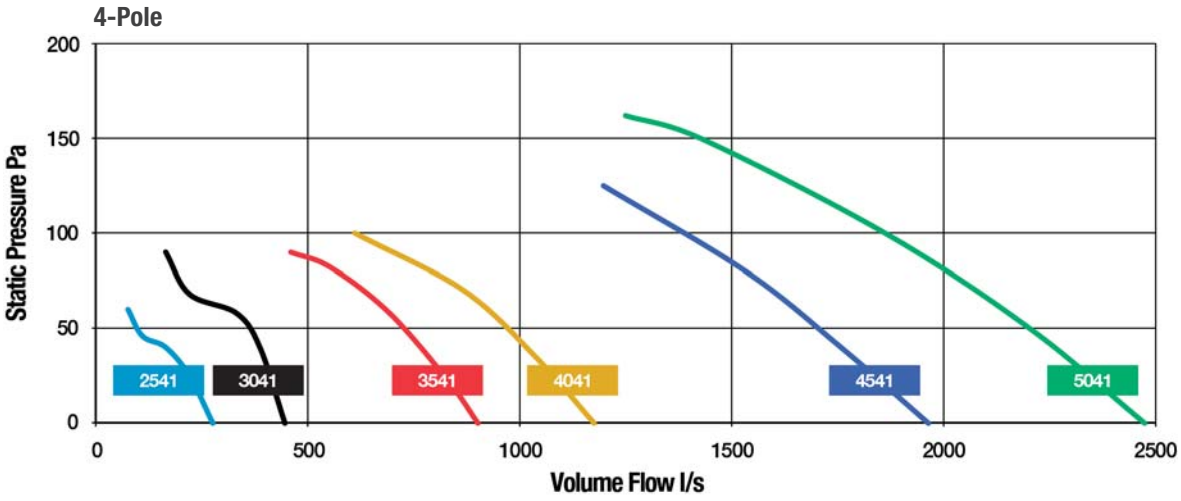
BAP PLATE MOUNTED AXIAL EXTRACT FANS

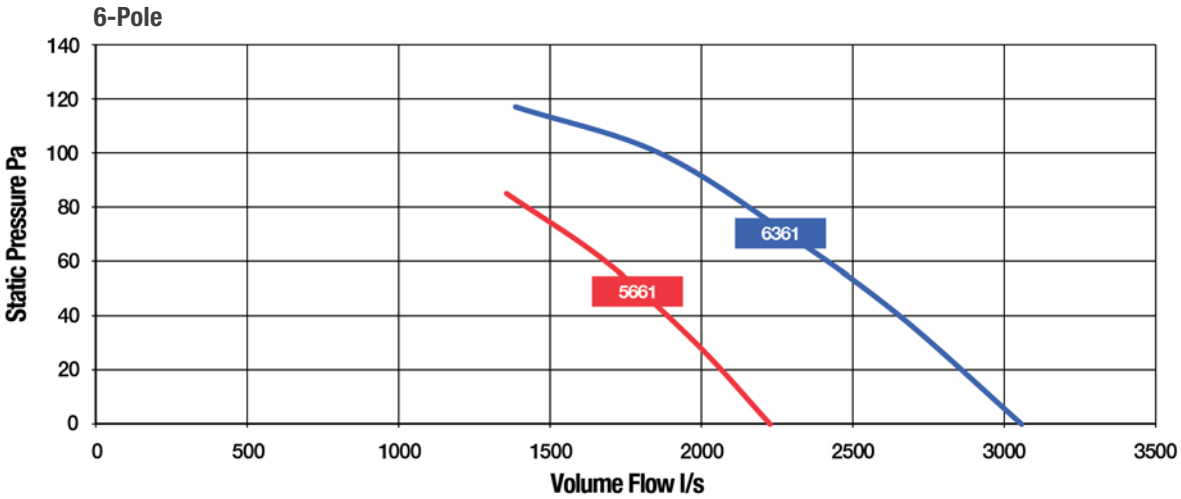
SIZES 250MM - 630MM SINGLE PHASE

- External rotor motorised impeller.
- Sickle shaped low sound impeller.
- Speed controllable.
- IP44 minimum motor protection.
- Sealed for life ball bearings.
- Integral inlet wire guard.

BRC-Q Roof Mounted Fan

PERFORMANCE DATA



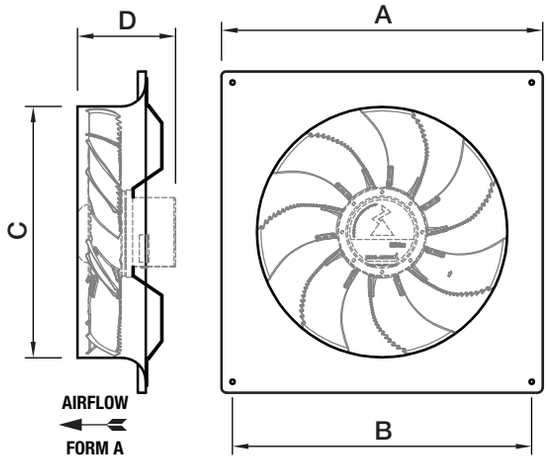


ELECTRICAL & ACOUSTIC DATA

Model No.	Speed (rev/ min)	230V/50Hz/1Φ			Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)								Order Code
		Motor Input (W)	Full Load Current (A)	Max Temp (ºC)		63	125	250	500	1k	2k	4k	8k	
BAP2541	1390	69	0.53	50	40	62	59	61	60	58	56	54	43	FAN5334
BAP3041	1250	75	0.32	50	38	66	64	59	55	52	50	46	38	FAN5335
BAP3541	1340	165	0.73	60	42	76	68	61	57	57	55	52	46	FAN5336
BAP4041	1430	160	0.73	40	49	76	72	66	65	65	61	57	52	FAN5337
BAP4541	1310	490	2.36	60	48	75	68	64	63	63	63	59	57	FAN5338
BAP5041	1300	680	3	60	47	77	72	63	61	61	60	58	52	FAN5339
BAP5661	895	410	1.8	60	46	68	75	61	62	64	58	51	49	FAN5340
BAP6361	860	600	2.62	50	46	71	68	63	64	62	58	52	52	FAN5341

DIMENSIONAL DATA

Model No.	Dimensions (mm)					Weight kg
	A	B	C	D	E	
BAP2541	370	320	250	260	90	4
BAP3041	430	380	305	325	90	5
BAP3541	485	435	350	360	90	6
BAP4041	540	490	400	410	110	9
BAP4541	575	535	450	460	110	10
BAP5041	655	615	500	510	115	14
BAP5661	725	670	560	575	115	16
BAP6361	805	750	630	645	125	21



SIMX EXTERNAL WALL MOUNTED EXTRACT FANS

SIZES 150MM SINGLE PHASE & 150MM SINGLE PHASE 3 SPEED

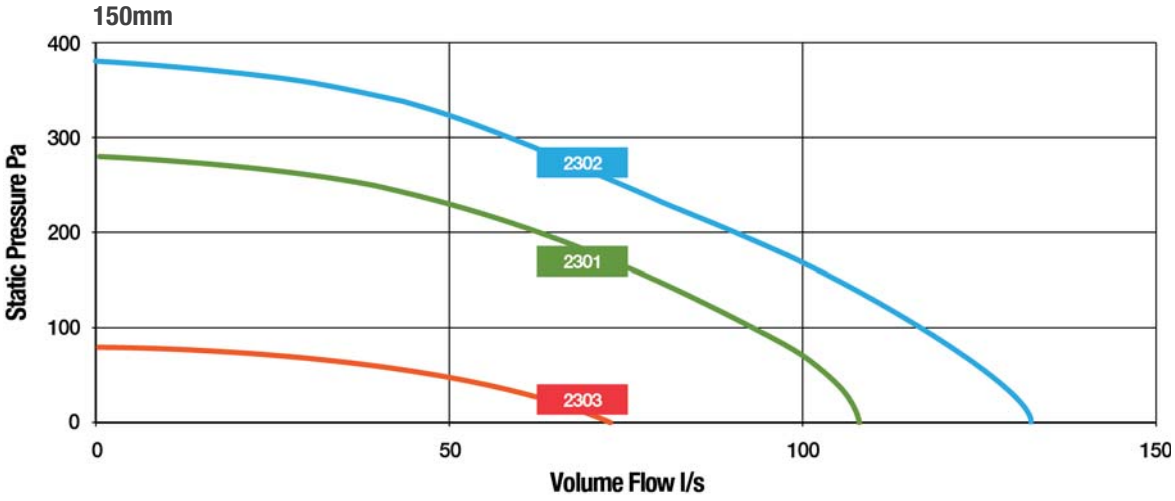
- Designed for use in residential and light commercial applications where a high performance, low noise solution is required.
- Three speed models enable further flexibility in a variety of applications.
- Specific applications include apartments where space is limited.

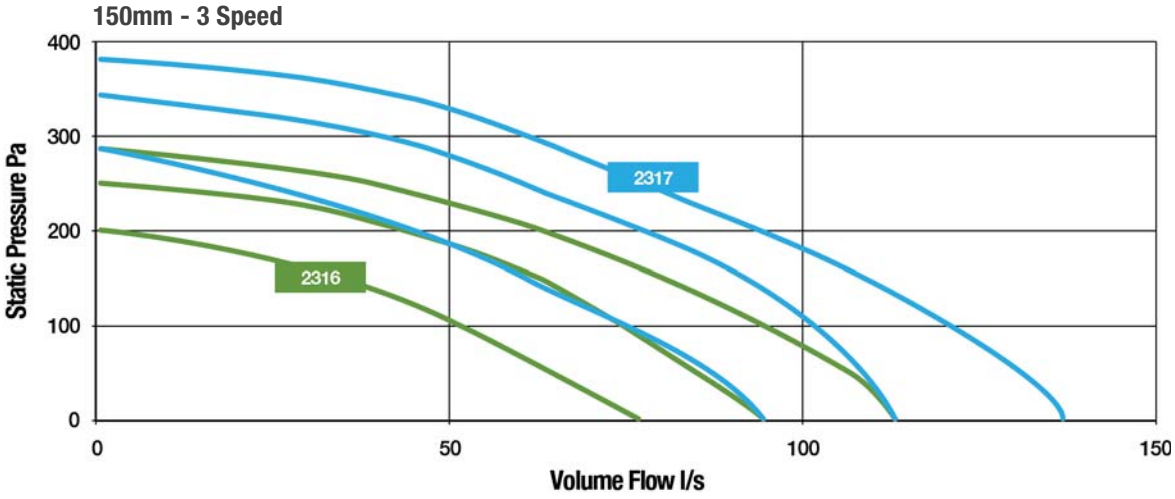
150mm Centrifugal (190 Motor)

Duct Size (mm)	Fan Type	Performance	Order Code
150	Axial *	73 l/s, 263m³/hr	FAN2303
150	Ctr'fgl (190 Motor)	109 l/s, 392m³/hr	FAN2301
150 - 3 Speed	Ctr'fgl (190 Motor)	113 l/s, 408m³/hr	FAN2316
150	Ctr'fgl (220 Motor)	133 l/s, 480m³/hr	FAN2302
150 - 3 Speed	Ctr'fgl (220 Motor)	136 l/s, 493m³/hr	FAN2317

*Also available in a Supply Air option

PERFORMANCE DATA





Connection

1. Electrical connection must be made internally (Junction Box is only suitable for internal use).

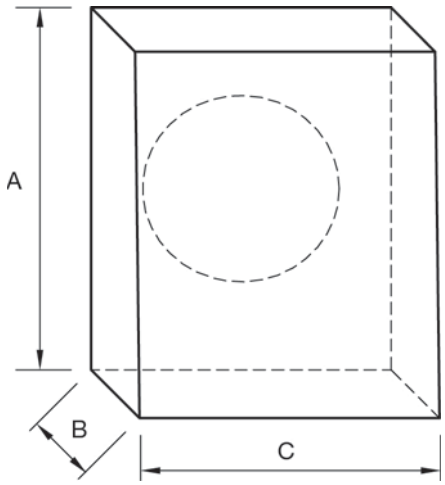
NOTE: All fan flow rates quoted are free air delivery.

TECHNICAL SPECIFICATION & PERFORMANCE DATA

Order Code	Motor Size (mm)	Description	Fan Performance		Watts @ 230V	Amps	Static Pressure (Pa)	Sound Level (dB(A) @ 3m)
			m³/hr	l/s				
FAN2303	150	Axial	263	73	48	0.29	80	48
FAN2301	150	Centrifugal 190 Motor (1 Speed)	392	109	65	0.28	280	60
FAN2302	150	Centrifugal 220 Motor (1 Speed)	423	118	96	0.42	380	61
FAN2316	150	Centrifugal 190 Motor (3 Speed)						
		High Speed	408	113	65	0.28	280	60
		Medium Speed	340	94	57	0.25	250	56
		Low Speed	277	77	55	0.24	200	46
FAN2317	150	Centrifugal 220 Motor (3 Speed)						
		High Speed	493	136	96	0.42	380	61
		Medium Speed	408	113	69	0.34	340	56
		Low Speed	340	94	60	0.31	280	50

DIMENSIONAL DATA

Models	Dimensions (mm)		
	A	B	C
150mm Axial	369	110	305
150mm Ctr'fgl (190 Motor)	369	110	305
150mm Ctr'fgl (220 Motor)	369	110	305



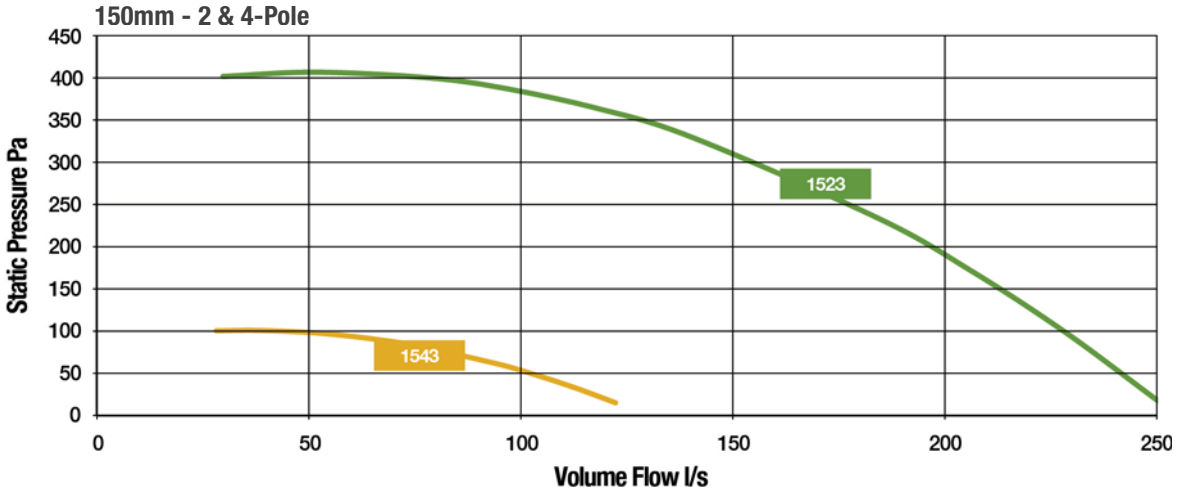
SEAT CORROSION RESISTANT POLYPROPYLENE FANS

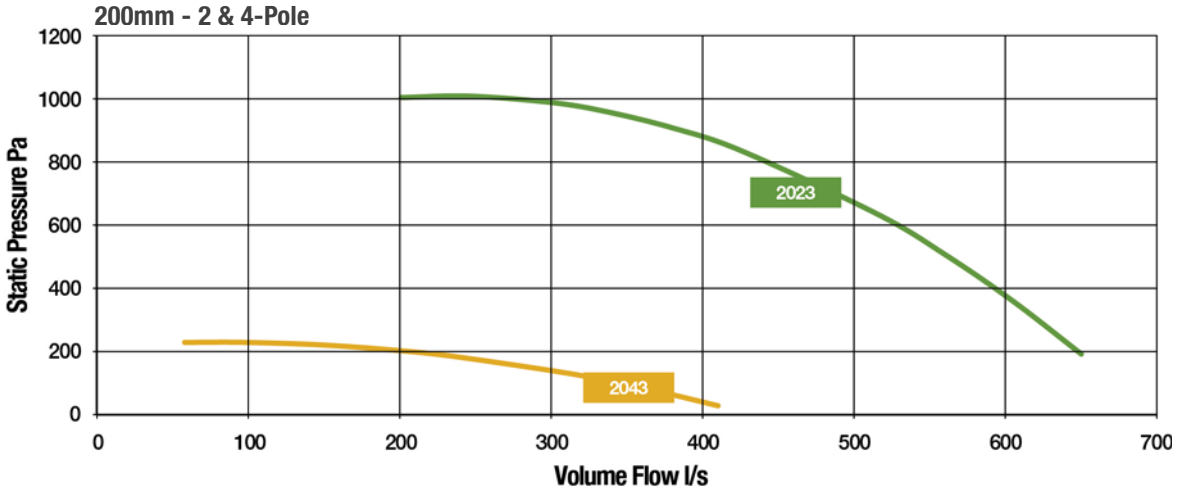
SIZES 150MM - 350MM SINGLE/THREE PHASE

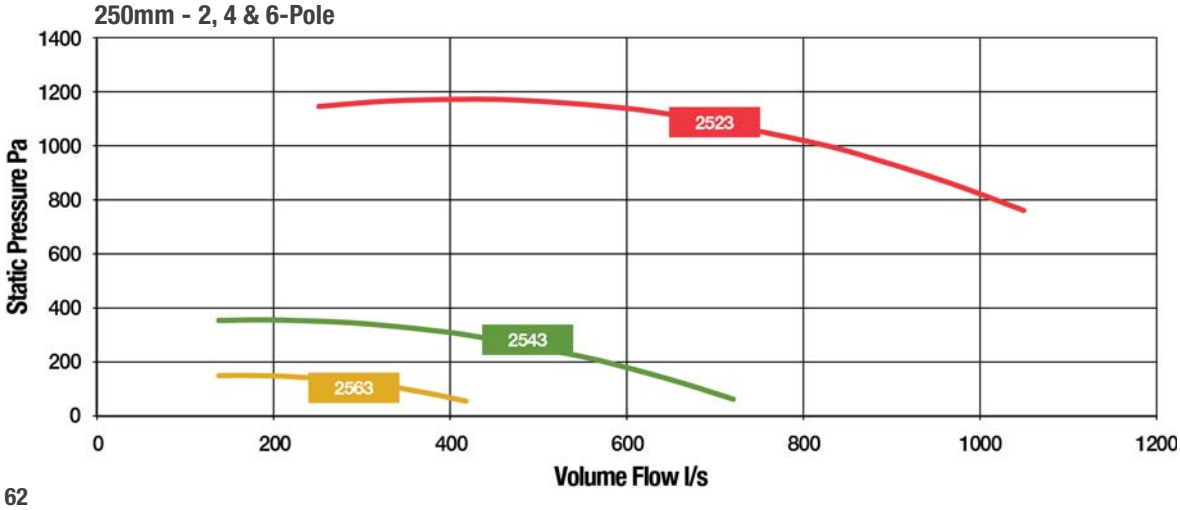
- Forward curved centrifugal impeller made from injection moulded PPH.
- Housings are single block high density UV treated polypropylene.
- Discharge positions rotable by 45° increments.
- Motor is outside of the airstream.
- Maximum airstream temperature is 80°C.
- Left and right fitting available.
- Compact design with low weight.

SEAT Fan

PERFORMANCE DATA

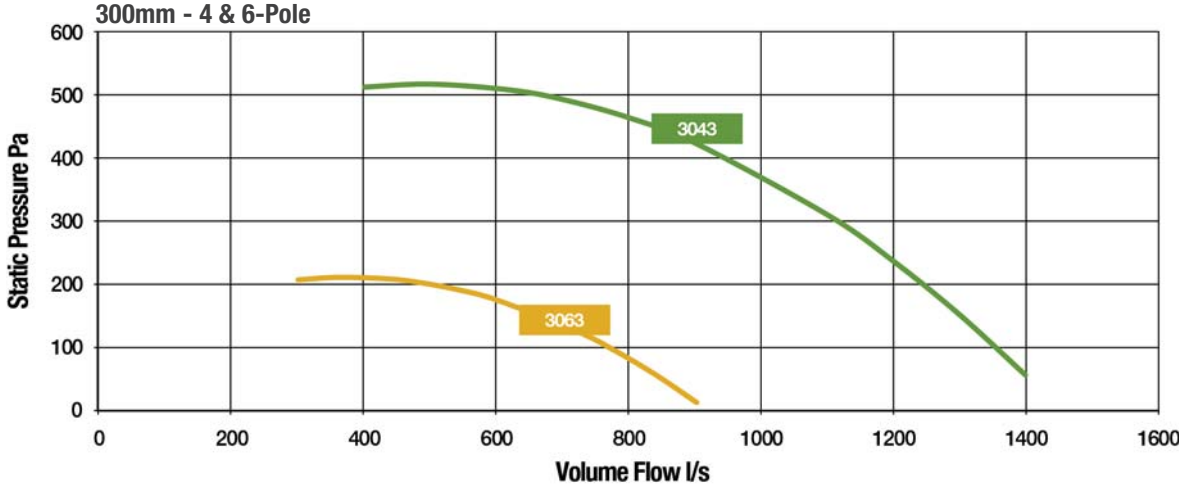




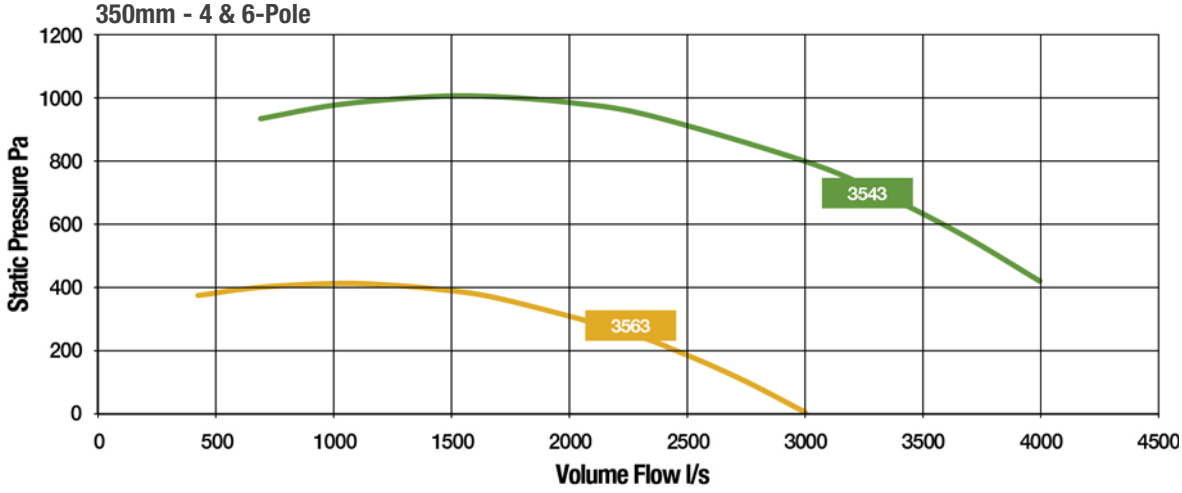


PERFORMANCE DATA

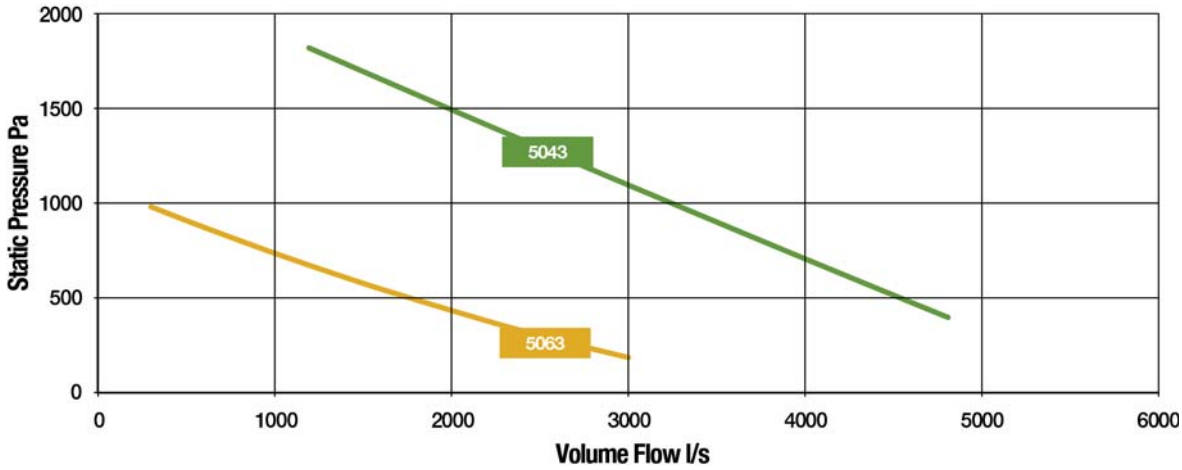
300mm - 4 & 6-Pole



350mm - 4 & 6-Pole



500mm - 4 & 6-Pole



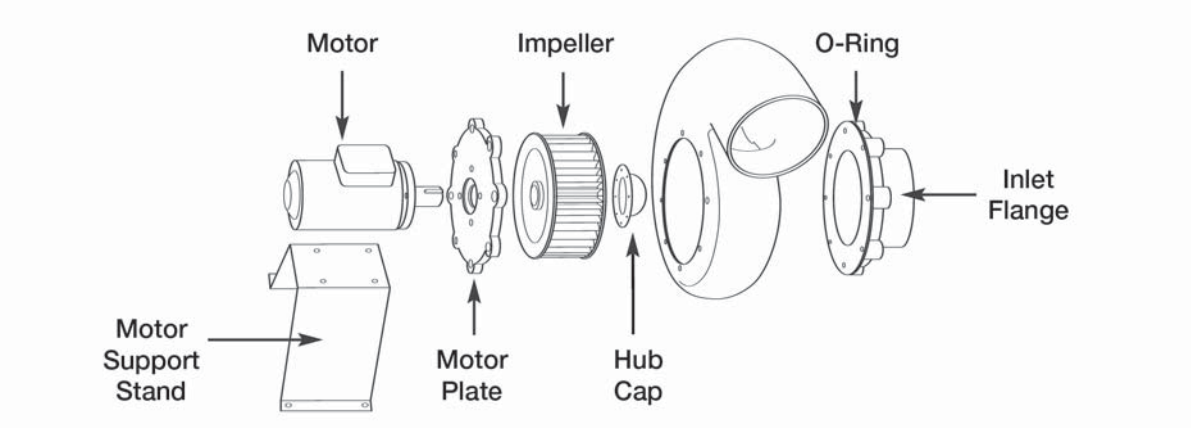
SEAT CORROSION RESISTANT POLYPROPYLENE FANS

SIZES 150MM - 350MM SINGLE/THREE PHASE

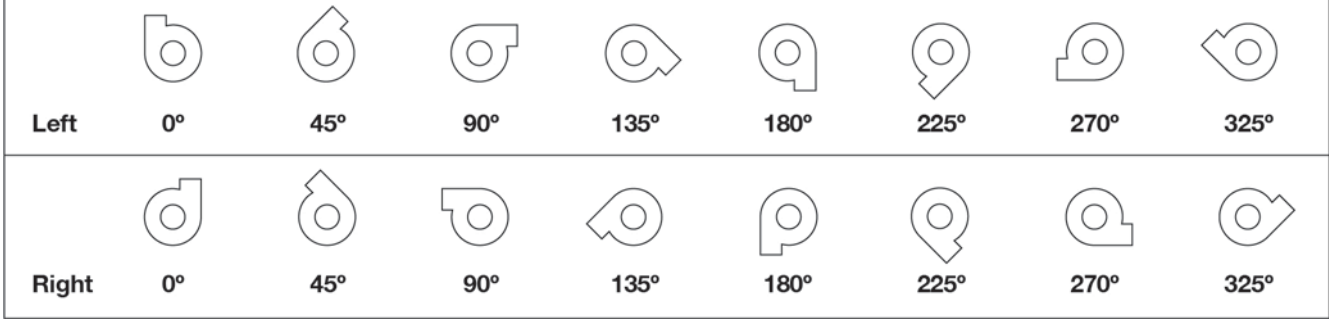
TECHNICAL SPECIFICATION & PERFORMANCE DATA

Model No.	Speed (rev/ min)	400V/50Hz/3Φ			Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)							
		Motor (W)	Full Load Current (A)	Max Temp (ºC)		63	125	250	500	1k	2k	4k	8k
SEAT1543	1400	0.25	0.9	60	41	69	67	63	57	57	49	43	36
SEAT1523	2800	0.37	1.0	60	55	78	80	76	68	74	63	57	51
SEAT2043	1400	0.25	0.9	60	47	68	73	69	60	66	53	46	40
SEAT2023	2800	1.1	2.2	60	65	77	87	83	71	85	68	61	57
SEAT2563	900	0.25	0.9	60	41	69	73	63	56	56	45	40	33
SEAT2543	1400	0.37	1.1	60	50	72	78	68	65	66	54	51	47
SEAT2523	2800	2.2	4.3	60	67	88	100	87	77	85	69	67	67
SEAT3063	900	0.75	2.0	60	41	84	75	61	51	45	41	36	30
SEAT3043	1400	1.5	3.4	60	51	94	85	70	59	53	49	46	43
SEAT3563	920	2.2	5.2	60	50	89	80	72	66	62	61	61	48
SEAT3543	1400	5.5	10.6	60	57	94	82	77	71	67	66	66	51
SEAT5063	920	4.0	7.9	60	64	86	87	85	81	81	73	70	68
SEAT5043	1400	5.5	10.6	60	67	90	92	89	85	84	78	75	73

ASSEMBLY DRAWINGS

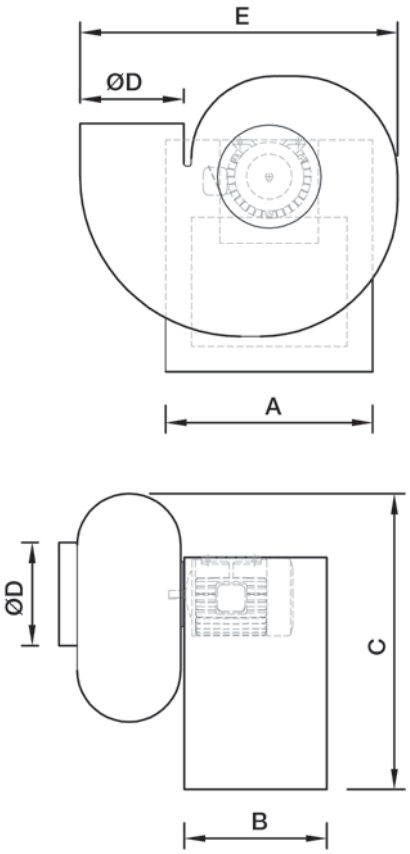


45 degree adjustable fan views are from the inlet

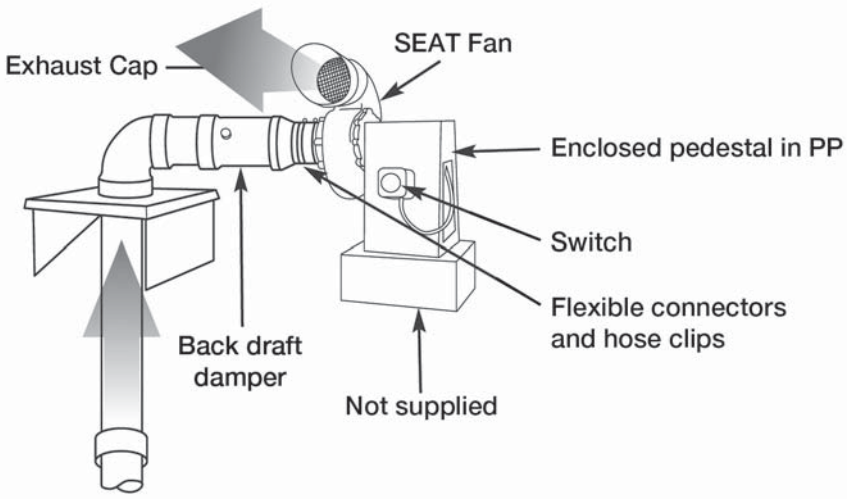


DIMENSIONAL DATA

Model No.	Dimensions (mm)					Weight (kg)
	A	B	C	D	E	
SEAT1543	400	275	511	125	440	10
SEAT1523	400	275	511	125	440	10
SEAT2043	400	275	525	160	511	16
SEAT2023	400	275	525	160	511	16
SEAT2563	400	275	574	200	613	26
SEAT2543	400	275	574	200	613	26
SEAT2523	400	275	574	200	613	26
SEAT3063	400	325	740	250	750	28
SEAT3043	400	325	740	250	750	28
SEAT3563	600	460	1018	315	940	45
SEAT3543	600	460	1018	315	940	51
SEAT5063	600	460	1328	500	1315	48
SEAT5043	600	460	1328	500	1315	56



INSTALLATION PRINCIPLES



STORM CORROSION RESISTANT POLYPROPYLENE FANS

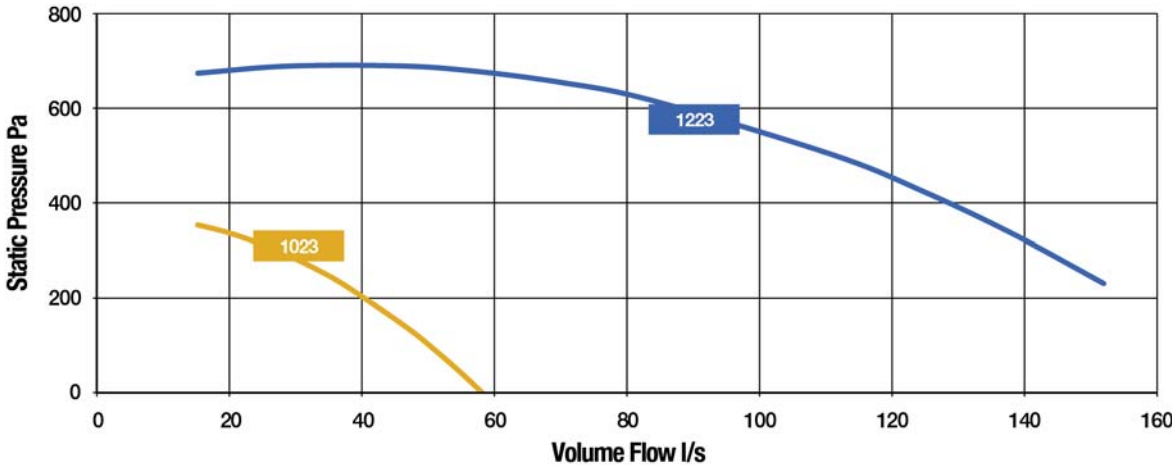
SIZES 150MM - 350MM SINGLE & THREE PHASE

- Forward curved centrifugal impeller made from injection moulded PPH.
- Housings are single block high density UV treated polypropylene.
- Discharge positions rotable by 45° increments.
- Motor is outside of the airstream.
- Maximum airstream temperature is 80°C.
- Left and right fitting available.
- Compact design with low weight.

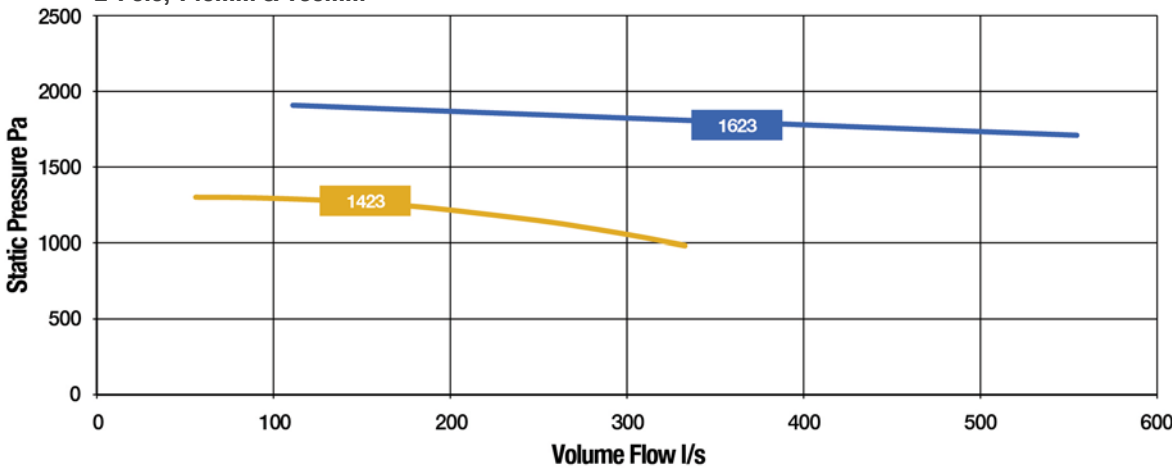
STORM Fan

PERFORMANCE DATA

2-Pole, 100mm & 120mm



2-Pole, 140mm & 160mm

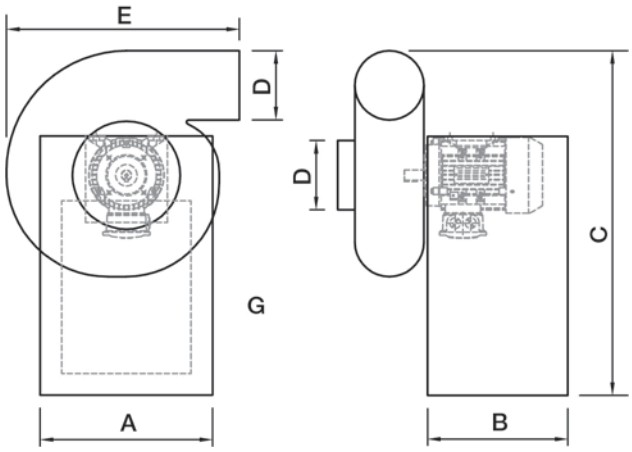


ELECTRICAL & ACOUSTIC DATA

Model No.	Speed (rev/min)	400V/50Hz/3Φ			Sound Pressure Level (dBA@3m)	Induct Sound Power Level (dB re 10^{-12} Watts)							
		Motor (W)	Full Load Current (A)	Max Temp (ºC)		63	125	250	500	1k	2k	4k	8k
STORM1023	2880	0.25	0.9	60	47	75	70	67	65	60	60	58	54
STORM1223	2880	0.37	1.0	60	58	88	86	76	73	76	63	62	58
STORM1623	2880	1.1	2.1	60	64	90	88	87	84	80	72	69	65
STORM1623	2880	2.2	4.4	60	69	99	94	94	84	83	80	77	72

DIMENSIONAL DATA

Model No.	Dimensions (mm)					Weight (kg)
	A	B	C	D	E	
STORM1023	400	275	514	Ø75	400	10
STORM1023	400	275	554	Ø90	412	12
STORM1023	400	275	601	Ø125	445	25
STORM1023	400	275	797	Ø160	540	36



AL EVAPORATIVE COOLERS

- High efficiency (* 80%+) long life 75mm CELPAD pads.
- Heavy duty, marine grade aluminium cabinet.
- Low water content ABS non-corrosive water reservoir.
- Heavy duty, centre hung forward curve, belt driven blowers.
- Sealed for life high quality shaft bearings.
- Strong, easy grip handles for simple CELPAD removal.
- Mesh pad protection and external metal louvres.
- Dump valves with timer and adjustable roof stands
- AIRAGDH direct fired duct heaters.

PERFORMANCE DATA

Model No.	Motor (kW)	Motor Code	Type	Voltage (VAC)	Full Load Current (A)	Air Quality (l/s high speed) (Pa)					
						Free Air	50	100*	150*	200*	250*
AL15	0.75	07	DP	230	5.2	2300	1980	1720	1570	1480	1320
	1.1	11	DP	230	6.0	2800	2490	2280	2130	2010	1860
AL18	1.1	11	DP	230	6.0	3440	3060	2880	2640	2360	2170
	1.5	15	DP	230	8.5	4020	3690	3260	2910	2650	2480
	2.2	22	TEFC	400	4.8	4480	4200	4010	3780	3540	3390
	3.0	30	TEFC	400	6.9	4930	4720	4530	4250	4010	3960
AL22	1.5	15	DP	230	8.5	4580	4320	4050	3690	3380	2860
	2.2	22	TEFC	400	4.8	5590	5200	509-0	4720	4480	4280
	3.0	30	TEFC	400	6.9	6230	5750	5500	5240	4950	4720
	4.0	40	TEFC	400	7.8	6980	6610	6370	6060	5830	5720
AL25	3.0	30	TEFC	400	6.9	7930	7170	6650	6140	5660	5000
	4.0	40	TEFC	400	7.8	8930	8600	8050	7500	6940	6330
	5.5	55	TEFC	400	11	9910	9620	9530	8820	8400	8260
AL30	4.0	40	TEFC	400	7.8	11520	10660	10140	9670	9180	8890
	5.5	55	TEFC	400	11	12840	12120	11470	10910	10250	9580
	7.5	75	TEFC	400	14	14250	13740	13220	12480	11890	11230
	11	110	TEFC	400	20	14890	14520	14280	1520	12890	12100
AL33	11	110	TEFC	400	20	16000	15400	14900	14200	1300	12500
AL36	11	110	TEFC	400	20	2000	19200	18300	17800	16900	16100
	15	150	TEFC	400	28	-	22400	21800	19200	18700	18400
	18.5	185	TEFC	400	35	-	-	22800	21400	20700	20300

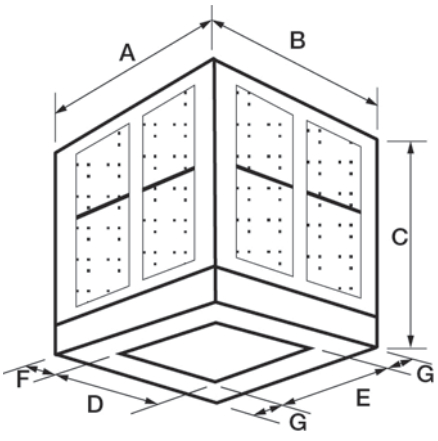
MODEL ORDERING EXAMPLE

AL22 D 40 2

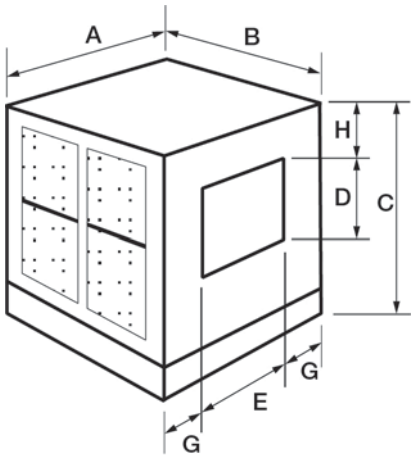
- **AL22** — MODEL NO. (refer table)
- **D** — DISCHARGE DIRECTION
  - D = Down
  - S = Side
  - T = Top
- **40** — MOTOR CODE (refer table)
- **2** — SPEED
  - 1 = Single Speed
  - 2 = Two Speed

DIMENSIONAL DATA

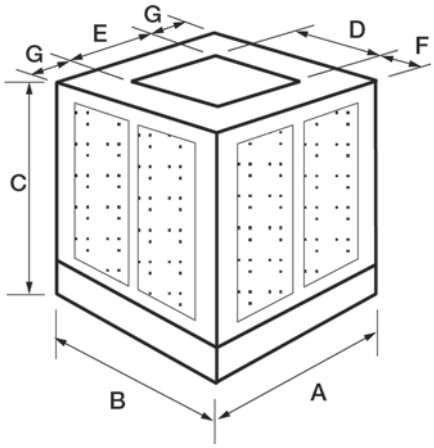
Model No.	Motor (kW)	Dimensions (mm)								Weight (kg)	
		A	B	C	D	E	F	G	H	Dry	Operating
AL15	0.75	990	990	820	470	470	120	260	45	72	92
	1.1									78	98
AL18	1.1	990	990	1165	500	545	135	222	270	113	133
	1.5									115	135
	2.2									118	138
	3.0									124	144
AL22	1.5	1208	1208	1340	690	690	130	259	160	160	185
	2.2									165	190
	3.0									171	196
	4.0									176	201
AL25	3.0	1550	1550	1480	795	795	195	377	160	243	273
	4.0									248	278
	5.5									274	304
AL30	4.0	1890	1550	1830	920	920	195	483	200	274	299
	5.5									300	325
	7.5									305	330
	11									328	353
AL33	11	1890	1550	2055	920	920	195	483	200	400	430
AL36	11	2125	1890	2055	1090	1090	200	525	300	410	440
	15									425	455
	18.5									460	490



Down Discharge



Side Discharge

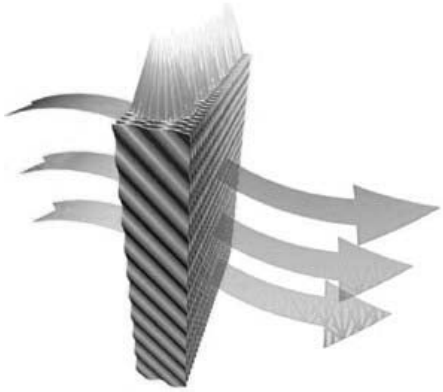


Top Discharge

CELPADS

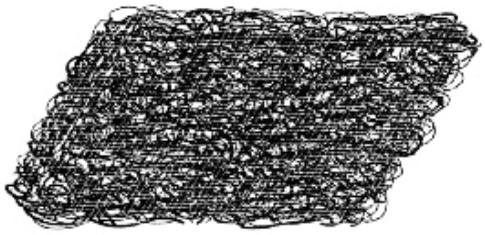
WHAT MAKES A GOOD PAD?

- The wetted surface area of the pad to airflow ratio should be as large as possible.
- The cooling pad should not act as a filter, as this will cause a drop in evaporative efficiency and supply airflow.
- Pads should be able to cope with high water flow rates in order for the water to trap dust and other solids.
- A low resistance to airflow means low power consumption.
- Water flow down the pad should be uniform.
- Water should adhere to the pads and not drop off and be carried into the machine.
- Cooling pads should remain rigid, and should not sag or loose shape.
- Pads should be treated against UV degradation and should not rot as this leads to bacterial growth and odours.



CELPads have revolutionised the cooling efficiency and performance capabilities of evaporative cooling units. CELPads resistance to airflow is extremely low, and this fact has enabled us to fit axial flow fans to our units in preference to 'drum' or centrifugal type fans. This means lower power consumption, and the possibility of a 'squeaky' fan belt being heard in the conditioned area has been eliminated.

ASPEN WOOD FIBRE PADS VS CELPADS



ECOLOGY

Wood fibre (wood wool) pads consist of cellulose wood fibre generally wrapped in a black plastic mesh.

POROSITY

Wood fibre pads have a wick like porosity, however this can only occur where strands of fibre cross and touch each other. This would be amply demonstrated if a wick test was carried out which would show that the rise of moisture is limited by the contact each strand has with one another.

DUST FILTRATION

Random material construction ensures airborne dust impinges on the filter material. Pads can sag over time, allowing airborne dust, insects and pollen to be carried through the system due to the gap formed at the top of the pad allowing air to take the path of least resistance. We have no knowledge of tests ever been carried out on wooden fibre pads.

ECOLOGY

CELPads consist of cellulose wood fibres in a paper form, treated with a small amount of chemicals to give it stiffness and long life. Adhesive is used to build its structure.

POROSITY

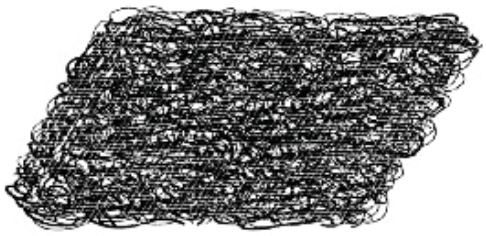
CELPads pads have a wick like porosity. This is demonstrated by placing a piece of CELPad in15mm of water, the porosity will be evident by the moisture seen climbing up the pad.

DUST FILTRATION

Designed with self washing characteristics. A test carried out by Air Filter Laboratories in Louisville, Kentucky, USA performed according to the "Dust spot efficiency test ASHRAE STANDARD 52-76." The size and number of particles were measured with a laser counter up and down stream of the CELPad media. Please note that these tests were carried out on 7090 CELPad which has a smaller flute and hence would obtain a higher rating than CELPads with a larger flute size.

CELPADS

ASPIN WOOD FIBRE PADS VS CELPADS



PRESSURE DROP

In the manufacture of wood fibre pads it is very difficult to strike a uniform balance between the density of the pad and an acceptable pressure drop across the pad in order to maintain a high saturation efficiency. CSIRO tests in Australia show wood fibre pads packed to give above 80% saturation efficiency have a pressure drop 4 times higher than that of a CELdek pad at 1 m/s air velocity.

WATER APPLICATION AND CARRY OVER

Limited amounts of water are generally applied to wood fibre pads to avoid the possibility of water carry over at relatively low pad face velocities of around 1 to 2 m/s.

CLOGGING OF PADS

Wood fibre pads retain dirt and dust in the matrix which causes the pressure drop across the pad to increase relatively quickly. This closing down of the air movement causes the efficiency of the unit to fall and the running costs to rise.running costs.

PAD SAGGING

Over time, wood fibre pads tend to sag. This may lead to the formation of gaps in or at the top of the pad itself. Gaps forming at the top of the pad may allow water from the water distribution system or manifold to be sucked directly into the unit. This frequently leads to the corrosion of unit casings and mechanical components. When this occurs, calcium and other dissolved solids build up on components as these stray water droplets evaporate. Lime and calcium deposits soon render a unit unserviceable. These gaps also lower the efficiency of the unit, which means that a unit is no longer capable of maintaining the low supply air temperatures for which it was designed.

PAD REPLACEMENT

According to manufacture literature, wood fibre pads should be replaced every one to two seasons when pads become dust laden and the pores of the wood fibres become clogged.

REPLACEMENT COST COMPARISON

Australian figures show that although wood fibre pads are less expensive than CELPads of equal size, replacement costs exceed those of CELPad if taken over a period of 4 years. Less frequent pad changes result in lower running expenses.

PRESSURE DROP

CELPads have a very low pressure drop when compared to wood fibre filter pads as clearly demonstrated by tests carried out by the Australian CSIRO. This means a smaller motor and cheaper running costs.

WATER APPLICATION AND CARRY OVER

CELPads can handle generous amounts of water that assist with it's self cleaning feature. CELPads do not suffer from water carryover whilst subjected to face velocities of up to 3 m/s.

CLOGGING OF PADS

CELPads self cleaning feature and low pressure drop allows the unit to run more efficiently for a much longer period, resulting in longer pad life and lower running costs.

PAD SAGGING

CELPads are designed and built to be self supporting and do not sag. Better performance over the life of the pad is achieved.

PAD REPLACEMENT

CELPads last up to three times longer than wood fibre pads under the same conditions.

REPLACEMENT COST COMPARISON

CELPads are generally smaller than aspen pads when considering a given airflow.

MANROSE CLASSIC THRU WALL FAN KITS

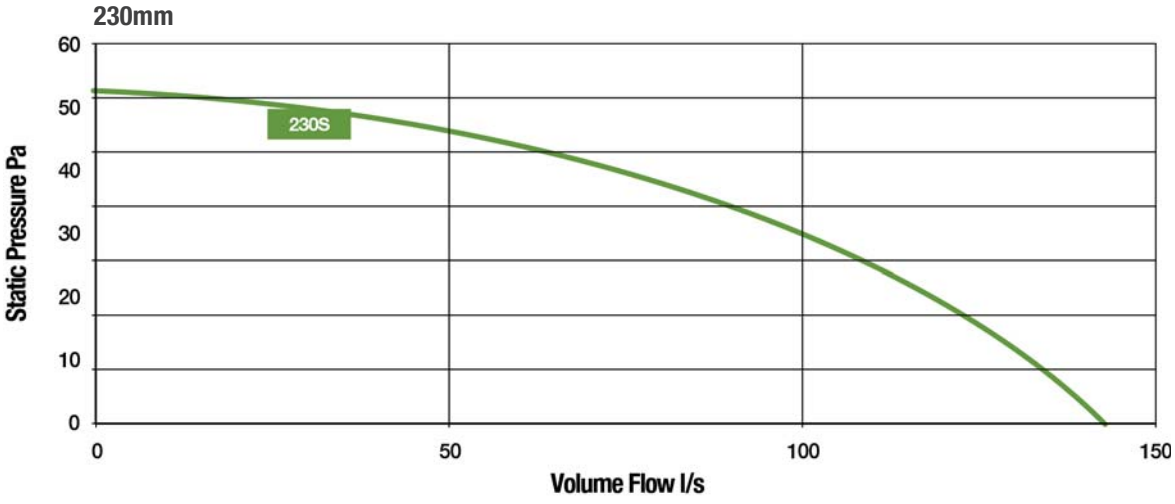
XPS COMMERCIAL & AUTO SHUTTER MODELS

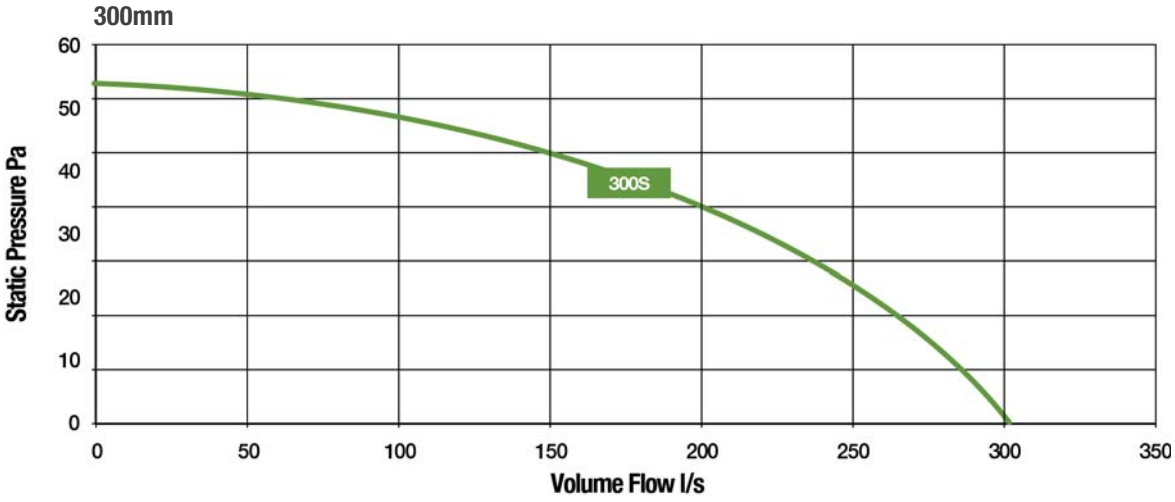
- Designed to be ducted straight through an exterior wall and are easy to install.
- Ball bearing motors.
- Supported by a five year warranty.

Commercial Models

Auto Shutter Models

PERFORMANCE DATA



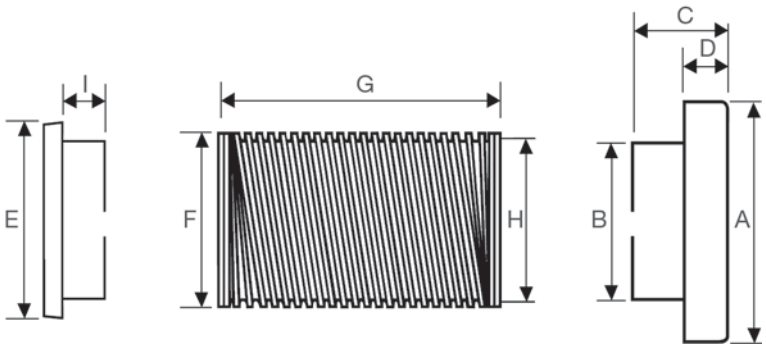


TECHNICAL SPECIFICATION & PERFORMANCE DATA

Model No.	Type	Duct Size (mm)	Speed (rev/min)	Motor Input (W)	Max Temp (ºC)	Free Air Performance High Speed	Sound Pressure Level (dBA@3m)	Order Code
XPS230S	Commercial	230	1250	45	50	152 l/s, 550m³/hr	50	FAN0455
XPS300S	Commercial	300	1300	82	50	306 l/s, 1100m³/hr	60	FAN2042
XPS230A	Auto Shutter	230	1250	45	50	152 l/s, 550m³/hr	50	FAN0348
XPS300A	Auto Shutter	300	1300	82	50	306 l/s, 1100m³/hr	60	FAN2043

DIMENSIONAL DATA

Model No	Dimensions (mm)								
	A	B	C	D	E	F	G	H	I
XPS230	286	230	141	75	286	250	375	248	30
XPS300	362	300	156	81	350	230	375	298	50



ARM RUBBER ISOLATION MOUNTS

SIZE RANGE: 10-60KG

- Ideally suitable for fans and pumps.
- Non-slip base.
- Excellent elastic ability.
- Mounts marked with loading capacity.
- Restraining bolt and washer included.

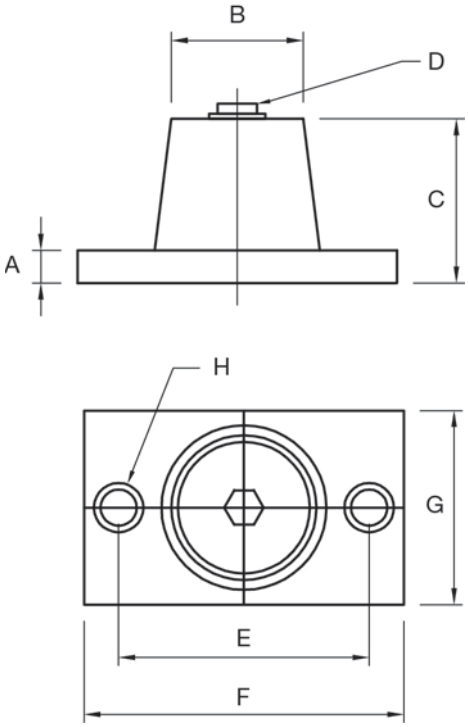
The ARM series of rubber isolation mounts are effective for isolation of noise and vibrations from equipment with running speeds of 1000rpm or more. Mounts come complete with a metric sized restraining bolt and washer. Applications include fans, pumps, motors, generators, compressors, marine, chemical and food processing equipment.

TECHNICAL SPECIFICATION & PERFORMANCE DATA

Model No	Load (kg)	Load (N)	Deflection (mm)	Vertical Rigidity k (kg/mm)	Order Code
ARM-10	10	98	5	2.0	FAN4053
ARM-20	20	196	5	4.0	FAN2936
ARM-30	30	294	5	6.0	FAN2992
ARM-40	40	392	6	6.7	FAN2906
ARM-60	60	588	6	10.0	FAN3055

DIMENSIONAL DATA

Model No	Dimensions (mm)							
	A	B	C	D	E	F	G	H
ARM-10	5	30	39	M8x30	61	80	41	Ø10
ARM-20	5	30	39	M8x30	61	80	41	Ø10
ARM-30	5	30	39	M8x30	61	80	41	Ø10
ARM-40	10	40	50	M10x30	76	97	59	Ø11
ARM-60	10	40	50	M10x30	76	97	59	Ø11



ASM-R SPRING ISOLATION MOUNTS - RESTRAINED

SIZE RANGE: 30-250KG

- Ideally suitable for fans and pumps.
- Non-slip base.
- Integrated **SEISMIC** restraining cage.
- Mounts marked with loading capacity.
- Levelling bolt and washer included.

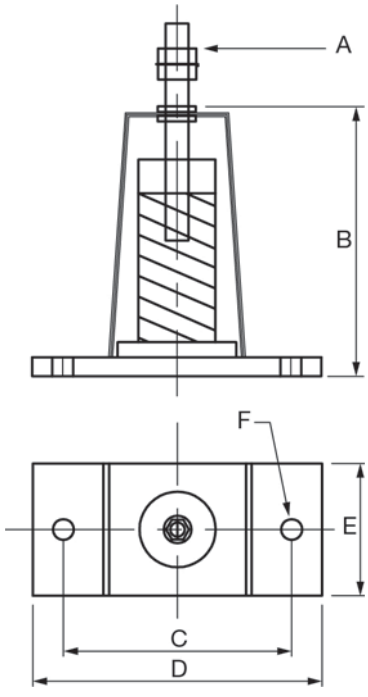
The ASM-R series of spring isolation mounts are effective for isolation of noise and vibrations from equipment that require restraint during **SEISMIC** activity. Mounts come complete with a metric sized levelling bolt and washer. Applications include fans, pumps, motors, generators, compressors, marine, chemical and food processing equipment.

TECHNICAL SPECIFICATION & PERFORMANCE DATA

Model No.	Load (kg)	Load (N)	Deflection (mm)	Vertical Rigidity k (kg/mm)	Order Code
ASM-R-30	30	294	25	1.2	FAN4067
ASM-R-40	40	392	25	1.6	FAN4068
ASM-R-60	60	588	25	2.4	FAN4069
ASM-R-80	80	784	25	3.2	FAN3244
ASM-R-100	100	980	25	4.0	FAN4064
ASM-R-140	140	1372	25	5.6	FAN2921
ASM-R-180	180	1764	25	7.20	FAN4065
ASM-R-250	250	1764	25	7.20	FAN4066

DIMENSIONAL DATA

Model No.	Dimensions (mm)					
	A	B	C	D	E	F
ASM-R-30	M12x115	140	120	152	70	Ø11
ASM-R-40	M12x115	140	120	152	70	Ø11
ASM-R-60	M12x115	140	120	152	70	Ø11
ASM-R-80	M12x115	140	120	152	70	Ø11
ASM-R-100	M12x115	140	120	152	70	Ø11
ASM-R-140	M12x115	140	120	152	70	Ø11
ASM-R-180	M12x115	140	120	152	70	Ø11
ASM-R-250	M12x115	140	120	152	70	Ø11



ASM-H SPRING ISOLATION MOUNTS - HANGING

SIZE RANGE: 10-40KG

- Ideally suitable for fans.
- Spring and rubber fro effective isolation.
- Integrated seismic restraining cage.
- Mounts marked with loading capacity.
- Bolts and washer included.

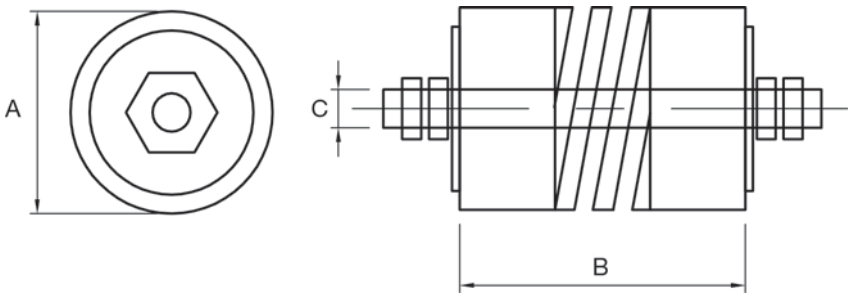
The ASM-H series of hanging spring isolation mounts are effective for isolation of noise and vibrations from equipment that requires mounting from above. Mounts come complete with a steel cage that will take M10 steel threaded rod. Applications include fans, silencers, fan coil units and packaged air-conditioners.

TECHNICAL SPECIFICATION & PERFORMANCE DATA

Model No.	Load (kg)	Load (N)	Deflection (mm)	Vertical Rigidity k (kg/mm)	Order Code
ASM-H-10	10	98	15	0.67	FAN4054
ASM-H-15	15	147	15	1.00	FAN4055
ASM-H-20	20	196	15	1.33	FAN4056
ASM-H-30	30	294	15	2.00	FAN4057
ASM-H-40	40	392	15	2.67	FAN4058

DIMENSIONAL DATA

Model No.	Dimensions (mm)		
	A	B	C
ASM-H-10	53	67	M10x115
ASM-H-15	53	67	M10x115
ASM-H-20	53	67	M10x115
ASM-H-30	53	67	M10x115
ASM-H-40	53	67	M10x115



SCE-2.0 ELECTRONIC SPEED CONTROLLERS

FAN2104

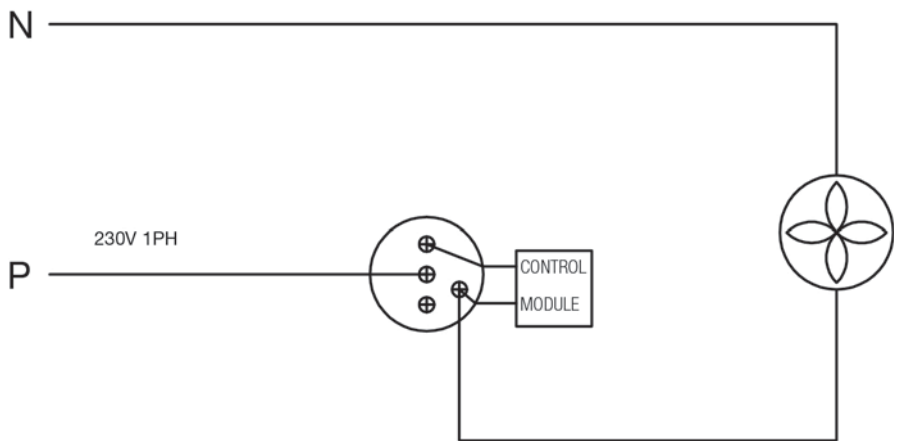
- Single Phase 230V speed controller.
- Controls speed from 100% to approx 30% of full speed.
- Maximum load 500W, 2A.
- Operating range 0-40°C.
- Standard plate mounting.
- Complies with AS/NZS & IEC standards.
- Suppressed to minimise radio frequency interference.

TECHNICAL SPECIFICATION

The SCE2.0 is a leading edge phase controller for controlling fan motors with shaded pole, external rotor PSC or split phase induction motors.

- Rated voltage: 220-240V a.c. 50Hz.
- Maximum load: 500W, 2A.
- Minimum load: 40W, 0.16A.
- AS/NZS3100, AS/NZS3133.
- CISPR15 EMC Compliant.
- Mounting Centres 84mm.
- Over temperature compensation.
- Unaffected by ripple signals on mains supply.
- Standard colour is white.
- Derate by 25% for each additional fan being controlled by the one controller.

WIRING DIAGRAM



SCE-5.0 ELECTRONIC SPEED CONTROLLERS

FAN4112

- Single Phase 230V speed controller.
- Controls speed from 100% to approx 30% of full speed.
- Maximum load 1000W, 5A.
- Operating range 0-40°C.
- Standard plate fixing centres.
- RoHS compliant.
- Suppressed to minimise radio frequency interference.

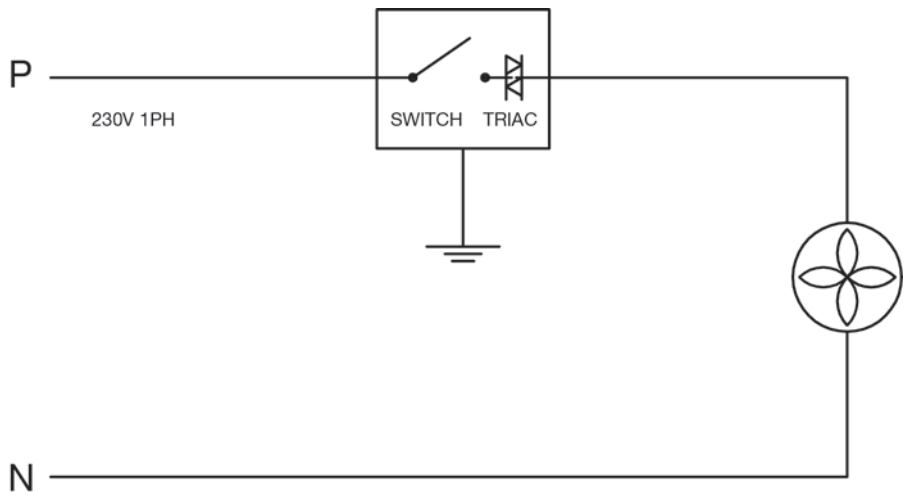
TECHNICAL SPECIFICATION

The SCE5.0 is a leading edge phase controller for controlling fan motors with shaded pole, external rotor PSC or split phase induction motors.

- Rated voltage: 220-240V a.c. 50Hz.
- Maximum load: 1000W, 5A.
- Minimum load: 100W, 0.5A.
- RoHS compliant.
- CISPR15 EMC Compliant.
- Mounting centres 84mm.
- Minimum seed adjustment.
- Aluminium face plate.
- Rotary dial with variable speed and on/off.
- Derate by 25% for each additional fan being controlled by the one controller.

WIRING DIAGRAM

Connection diagram for 2-Wire Controls (Switch models) .



RE FIVE STEP SPEED CONTROLLERS

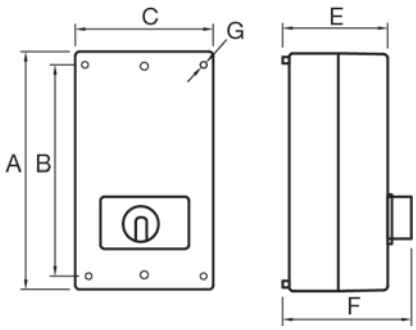
SIZES: 1.5-14.0 AMPS SINGLE PHASE

- Transformer based controllers for voltage controllable 1~ fans.
- 5-step switch for manual speed control.
- Integrated power on lamp.
- Automatic switch on after power failure.
- Separate motor protection device, S-ET10, recommended for motors with thermocontacts

TECHNICAL SPECIFICATION

Model No.	Supplier No.	Rated Current	Max Line Fuse	Max Heat Dissipation	IP Rating	Order Code
RE-1.5G	302001	1.5A	T4A	approx 20W	IP54	FAN4109
RE-2G	302047	2A	T4A	approx 20W	IP54	FAN3468
RE-3.5G	302048	3.5A	T4A	approx 30W	IP54	FAN4110
RE-6G	302049	6A	T8A	approx 35W	IP21	FAN3912
RE-7.5G	302053	7.5A	T8A	approx 40W	IP54	FAN3913
RE-9G	302055	9A	T16A	approx 50W	IP54	FAN3506
RE-12	302056	12A	T20A	approx 80W	IP21	FAN3451
RE-14G	302057	14A	T20A	approx 105W	IP54	FAN3463

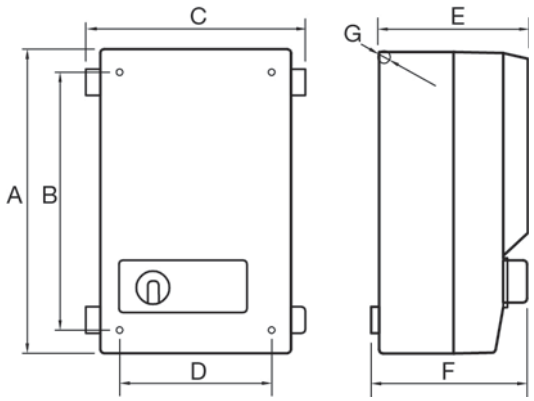
RE-1.5G



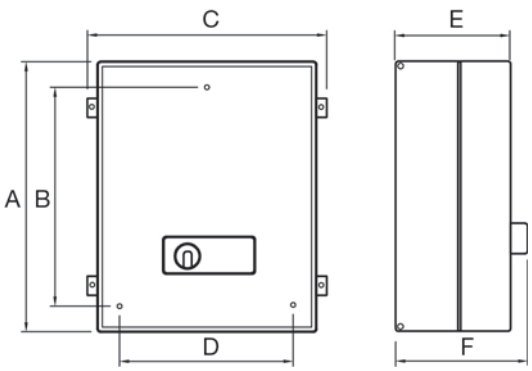
DIMENSIONAL DATA

Model No	Dimensions (mm)							Weight (kg)
	A	B	C	D	E	F	G	
RE-1.5G	180	160	105	-	80	98	Ø5	2.0
RE-2G	230	195	166	115	115	118	Ø10	2.2
RE-3.5G	230	195	166	115	115	118	Ø10	3.5
RE-6G	230	195	166	115	115	118	Ø10	5.0
RE-7.5G	284	225	240	186	115	131	-	6.0
RE-9G	284	225	240	186	115	131	-	10.5
RE-12G	323	240	270	216	146	163	-	10.5
RE-14G	323	240	270	216	146	163	-	12.5

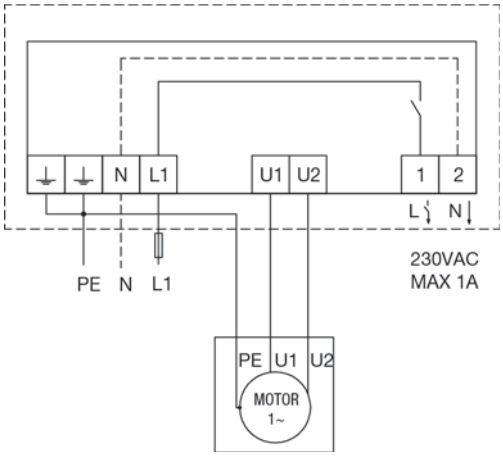
RE-2/3.5/6G



RE-7.5G (RE-12/14G)



WIRING DIAGRAM



RD FIVE STEP SPEED CONTROLLERS

SIZES: 1.0-7.0 AMPS THREE PHASE

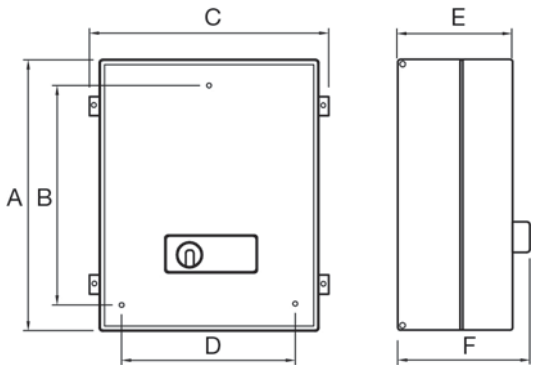
- Transformer based controllers for voltage controllable 3 phase fans.
- 5-step switch for manual speed control.
- Integrated power on lamp.
- Automatic switch on after power failure.
- Power on contact 230 V switched and constant voltage.
- Separate motor protection device, STDT16, recommended for motors with thermocontacts.

TECHNICAL SPECIFICATION

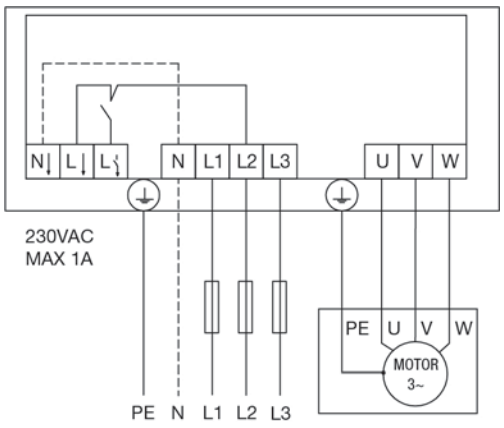
Model No.	Supplier No.	Rated Current	Max Line Fuse	Max Heat Dissipation	IP Rating	Order Code
RD-1G	302571	1A	4A	approx 35W	IP54	FAN3319
RD-2G	302572	2A	4A	approx 50W	IP54	FAN3329
RD-3G	302573	3A	6A	approx 55W	IP54	FAN3373
RD-4	302574	4A	6A	approx 75W	IP21	FAN3470
RD-5.2G	302575	5.2A	13A	approx 80W	IP54	FAN3395
RD-7	302576	7A	16A	approx 110W	IP21	FAN3448

DIMENSIONAL DATA

Model No	Dimensions (mm)						Weight (kg)
	A	B	C	D	E	F	
RD-1G	284	225	240	186	115	131	4.5
RD-2G	284	225	240	186	115	131	7.2
RD-3G	323	240	270	216	146	163	10.8
RD-4	323	240	270	216	146	163	11.0
RD-5.2G	323	240	270	216	146	163	15.6
RD-7	323	240	270	216	146	163	15.6



WIRING DIAGRAM



ACCESSORIES

FAN TIMER

Description	Order Code
7 Minute Fixed Timer (suits fans 20W-200W)	FAN0372
Fully Adjustable Run-On Fan Timer	FAN2444

Time Air - Fan Timer

Time Air Fan Timer

- A fixed fan timer that will automatically switch the appliance off after approximately 7 minutes.

Fully adjustable Run-On Fan Timer

Fully Adjustable Run-On Fan Timer

- Timing Switch 1 Sec to 90 Mins.
- Adjustable Run Timer & Start Delay.

IP RATING GUIDE

ABBREVIATION REFERENCE

The IP classification system designates the degree of protection provided by an enclosure against solid objects or water ingress. Table 1 shows degree of protection against solid objects, Table 2 shows degree of protection against water.

PROTECTED AGAINST SOLIDS

IP	TEST
0	Non-protected
1	Protected against solid objects over 50mm, e.g. accidental touch by hands.
2	Protected against solid objects over 12mm, e.g. fingers.
3	Protected against solid objects over 2.5mm, e.g. tools and wires.
4	Protected against solid objects over 1mm.
5	Protected against dust that could interfere with satisfactory operation.
6	Protected against dust that could interfere with satisfactory operation.

PROTECTED AGAINST LIQUIDS

IP	TEST
0	Non-protected
1	Protected against vertically falling drops of water e.g. condensation.
2	Protected against direct sprays of water up to 150 from vertical.
3	Protected against sprays to 600 from vertical.
4	Protected against water sprayed from all directions.
5	Protected against low pressure jets of water from all directions.
6	Protected against strong jets of water.
7	Protected against the effects of immersion between 15cm and 1m.

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