

Pearl ISO Series In-line Mixed Flow Fans



When Quiet is Crucial...



Sound-insulated design with superior noise performance:-

- Ideal for noise critical applications such as a Apartments, Libraries and Offices
- 2-speed operation with in-built Hi/Lo speed switch
- High efficiency impeller design with low energy consumption
- Supplied with 2-pin plug
- Ø100 to Ø315 spigot connections
- Renowned German quality
- 5 year warranty

Pearl ISO Series Sound-insulated In-line Mixed Flow Fans



Common Applications

The Pearl ISO Series in-line mixed flow fans offer exceptional noise levels for demanding applications. The special inner perforation of the casing and sound-insulating material are designed for wide-frequency sound absorbing. They are ideal for apartments, offices and other noise sensitive applications.

Special Features

The casing is made from polymer-coated steel, internally filled with a 50mm mineral wool thermal and sound insulating layer.

All sizes are 2-speed and supplied with integral Hi/Lo speed switch. 2-pin plug fitted as standard.

Integral mounting bracket allows fixing to floor, wall or ceiling.

Maximum operating temperature 60°C.

Electrical

Available in 240V single phase only.

Materials

High-efficiency motors incorporate ball bearings for long service life.

Protection

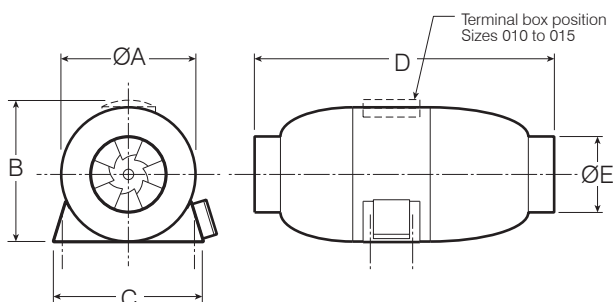
IPX4 with internal overload protection.

Accessories

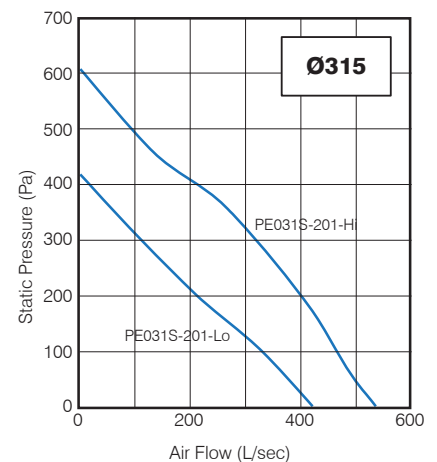
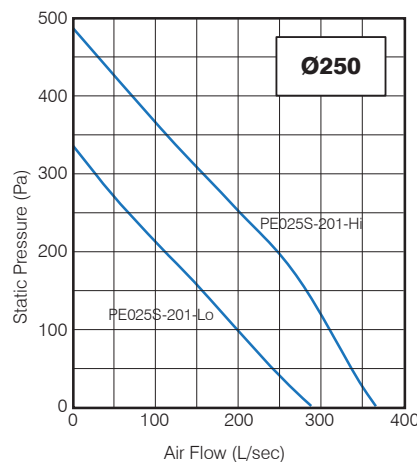
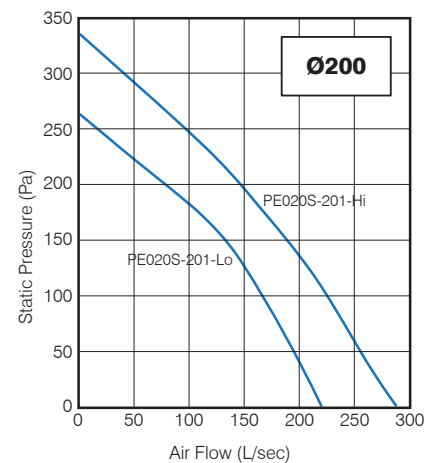
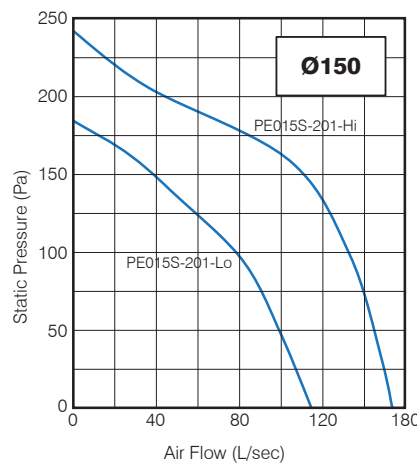
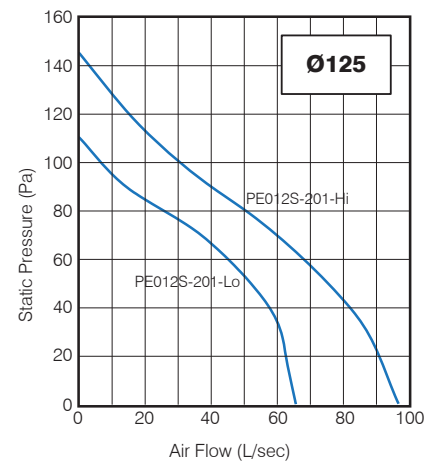
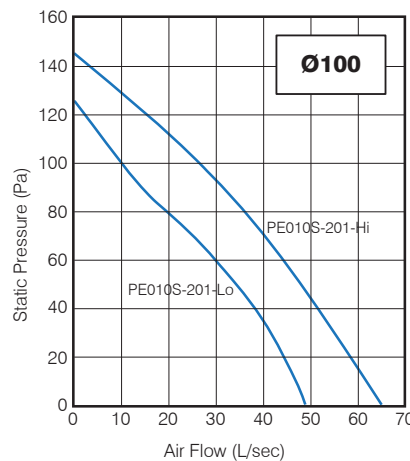
To compliment the Pearl ISO Series, Aerovent Australia can provide a range of accessories including:-

- Speed controllers
- Backdraft dampers
- Run-on timers
- Fast clamps

Dimensions, mm



Performance Data - Single Stage



Model	ØA	B	C	D	ØE
PE010S-201..	214	251	243	505	98
PE012S-201..	214	251	243	474	123
PE015S-201..	247	263	273	579	148
PE020S-201..	293	295	386	550	198
PE025S-201..	358	360	445	658	248
PE031S-201..	432	434	520	780	313

Due to Aerovent Australia's constant product improvement and development program, product details may change without prior notice.

Pearl ISO Series

Sound-insulated In-line Mixed Flow Fans

Specifications

Model	Power, kW	Current, Amps	Speed, rpm	dBA @ 3m	Weight, kg
PE010S-201-Lo	0.024	0.10	2015	24	4.6
PE010S-201-Hi	0.026	0.11	2610	29	4.6
PE012S-201-Lo	0.025	0.11	1660	23	4.6
PE012S-201-Hi	0.030	0.13	2315	28	4.6
PE015S-201-Lo	0.045	0.20	1985	26	6.1
PE015S-201-Hi	0.052	0.23	2640	33	6.1
PE020S-201-Lo	0.078	0.35	2000	31	8.0
PE020S-201-Hi	0.110	0.49	2460	36	8.0
PE025S-201-Lo	0.127	0.52	1960	34	15.0
PE025S-201-Hi	0.178	0.79	2460	38	15.0
PE031S-201-Lo	0.213	0.93	2120	36	25.0
PE031S-201-Hi	0.313	1.41	2620	40	25.0

Sound Power Level (dB re 10⁻¹² Watts) at Octave Band Mid-Frequency, Hz

Model	Type	63	125	250	500	1k	2k	4k	8k
PE010S-201-Hi	Inlet	45	34	38	38	39	38	30	25
	Outlet	46	35	39	41	42	34	34	24
	Breakout	41	30	26	28	29	20	21	15
PE010S-201-Lo	Inlet	39	28	32	32	33	32	24	19
	Outlet	40	29	33	35	36	28	28	18
	Breakout	35	24	20	22	23	14	15	9
PE012S-201-Hi	Inlet	45	37	44	41	42	40	34	29
	Outlet	47	40	44	42	41	42	36	30
	Breakout	43	36	32	30	28	21	20	16
PE012S-201-Lo	Inlet	37	29	36	33	34	32	26	21
	Outlet	39	32	36	34	33	34	28	22
	Breakout	35	28	24	22	20	13	12	8
PE015S-201-Hi	Inlet	51	49	58	58	53	54	52	40
	Outlet	61	52	60	58	55	54	49	43
	Breakout	45	38	48	38	36	32	23	22
PE015S-201-Lo	Inlet	44	42	51	51	46	47	45	33
	Outlet	54	45	53	51	48	47	42	36
	Breakout	38	31	41	31	29	25	16	15
PE020S-201-Hi	Inlet	52	54	63	60	58	54	51	49
	Outlet	54	58	57	65	60	61	49	45
	Breakout	48	46	40	41	41	41	28	23
PE020S-201-Lo	Inlet	47	49	58	55	53	49	46	44
	Outlet	49	53	52	60	55	56	44	40
	Breakout	43	41	35	36	36	36	23	18
PE025S-201-Hi	Inlet	55	57	66	63	61	57	54	52
	Outlet	57	61	67	68	73	64	52	48
	Breakout	51	49	57	44	53	48	40	30
PE025S-201-Lo	Inlet	50	52	61	58	56	52	49	47
	Outlet	52	56	62	63	68	59	47	43
	Breakout	46	44	52	39	48	43	35	25
PE031S-201-Hi	Inlet	61	63	71	64	64	66	57	56
	Outlet	66	69	78	72	70	64	54	52
	Breakout	51	48	50	54	55	51	48	38
PE031S-201-Lo	Inlet	56	58	66	59	59	61	52	51
	Outlet	61	64	73	67	65	59	49	47
	Breakout	46	43	45	49	50	46	43	33

Standard Aerovent Australia Products Also Available

	<p>Roof Mounted Centrifugal Fans – Series DIAMOND</p> <p>Available either with side discharge weathercap for both exhaust and supply air applications, or with vertical discharge weatherproof windband for exhaust only.</p>	
	<p>Roof Mounted Axial Fans – Series OPAL</p> <p>Available either with side discharge weathercap for both exhaust and supply air applications, or with low loss air operated vertical discharge weather shutters for exhaust only.</p>	
	<p>Roof Mounted Axial Fans – Series EMERALD</p> <p>Providing greater flexibility and a wider range of sizes, the Emerald range of roof mounted axial fans is powered by adjustable pitch impellers.</p>	
	<p>Roof Mount Relief Air Cowl – Series JASPER</p> <p>Available either with side discharge weathercap for both exhaust and supply air applications, or with low loss air operated vertical discharge weather shutters for exhaust only.</p>	
	<p>Inline Centrifugal Fans – Series QUARTZ</p> <p>Suitable for ducted air supply or exhaust applications, this series of low noise level centrifugal fans are powered by speed controllable single or three phase motors.</p>	
	<p>Inline Axial Fans – Series ONYX</p> <p>Small diameter compact inline fans with sleeve connection for quick and easy installation.</p>	
	<p>Inline Axial Fans – Series RUBY</p> <p>Compact inline fans with flanged connection for quick and easy installation.</p>	
	<p>Inline Axial Fans – Series SAPPHIRE</p> <p>A very flexible range of Aerofoil Axial Flow Fans for ducted installation.</p>	
	<p>Plate Mounted Axial Flow Fans - Series AMETHYST</p> <p>A range of compact fixed pitch plate mounted axial flow fans suitable for wall or panel mounting.</p>	
	<p>Plate Mounted Axial Flow Fans - Series TOPAZ</p> <p>Providing greater flexibility and a wider range of sizes, the Topaz square plate axial fan range is powered by adjustable pitch impellers.</p>	
	<p>Flameproof Axial Fans - Series AMBER</p> <p>This pre-engineered range of fans may be safely used in hazardous locations such as paint stores, spray booths, battery rooms or any other area where Flameproof equipment is required.</p>	
	<p>DWDI & SWSI Centrifugal Fans - Series GOLD & SILVER</p> <p>Quiet and efficient, with custom built airfoil and laminar blade impeller, these renowned Aerovent Australia designs are available in sizes ranging from 315 – 4000mm diameter</p>	