

ECO Range

DESCRIPTION

The Jetline EcoWatt is a high performance, low profile in-line fan that incorporates the latest innovative EC motor technology. It features silent-block motor mounting to reduce vibrations and lower the sound level of operation. The Jetline uses a quick fit mounting bracket for fast installations and is suitable for mounting in any position.

There are 6 models in the range matching standard duct sizes from 100 to 315mm diameter.

Typical Applications

Designed for the ventilation of toilets, bathrooms, ensuites, laundries and kitchens in homes, hotels, apartments and commercial buildings. Suitable for both supply and exhaust air applications and the transfer of warm and cool air from one room to another.

Features

- An energy efficient solution with state of the art EC motor technology.
- Speed-controllable from 10% to 100% via a 0-10V analogue input signal.
- High performance patented centrifugal impeller.
- Optimised impeller, guide vane and outlet diffuser for low noise operation.
- Designed for direct connection to standard diameter circular ducting.
- Low profile, durable outer casing manufactured from galvanised sheet steel.
- Robust, galvanised steel quick fit mounting bracket for fast installations.
- Can be mounted in any position.

Construction

Outer housing and foot mount are made of pressed galvanised steel providing a very robust construction. Internal housing and patented centrifugal impeller are from injected moulded plastic.

Motors

Type – electronically commutated (EC) motor

Electricity supply – 230V +/-10%, single-phase, 50/60Hz

Bearings - sealed for life, ball.

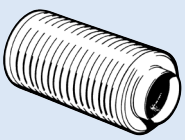
Speed-controllable via the internal potentiometer located in the terminal box or using an EC type speed controller via a 0-10V external signal.

Class B Insulation, IP44.

See pages O-7 for details on motors.

Internal Thermal Protection

Manual-reset thermal overload protection device in accordance with mandatory requirements for in-duct fans AS/NZS60335-2-80:2016



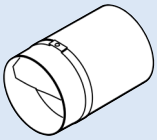
CC - Attenuators Ref. *H-16*



RSK - Backdraft Dampers Ref. *J-3*



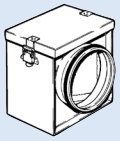
FC - Fast clamp Ref. *J-5*



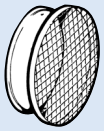
SJK - Backdraft Damper Ref. *J-3*



DCV – EC Speed Controller, Ref. *M-20*



FGR - Filter Unit Ref. *J-10*



MRJ - Inlet grille Ref. *J-9*

SUGGESTED SPECIFICATION

The in-line fans shall be of the Jetline EcoWatt Series as supplied by Fantech Pty Ltd and be of the model numbers shown on the schedule/drawings.

Impellers shall be of the centrifugal design and driven by a speed-controllable, brushless EC-DC motor with integral thermal protection. Fans shall be capable of running 10 to 100% of capacity via a 0-10V analogue input signal. The fan outer casing and mounting foot shall be of pressed galvanised steel and internal housing including the impeller made from injected moulded plastic.

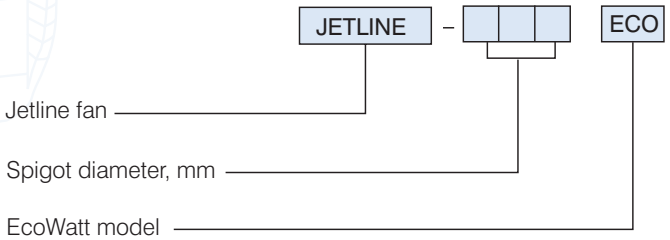
All models shall be fully tested to ISO5801: Part1, 1997 for air flow and ISO 13347-3 2004 for noise.

TECHNICAL DATA

Model Number JETLINE-..	Fan Speed rev/sec	Avg. dB(A) @ 3m*	JETLINE.. 1ph Watts	Amps	Max. amb °C
100ECO	44	35	16	0.1	40
125ECO	44	39	26	0.2	40
150ECO	44	45	58	0.5	40
200ECO	44	49	109	0.8	40
250ECO	46	52	135	0.9	40
315ECO	44	55	194	1.3	40

* Inlet Sound Levels

HOW TO ORDER

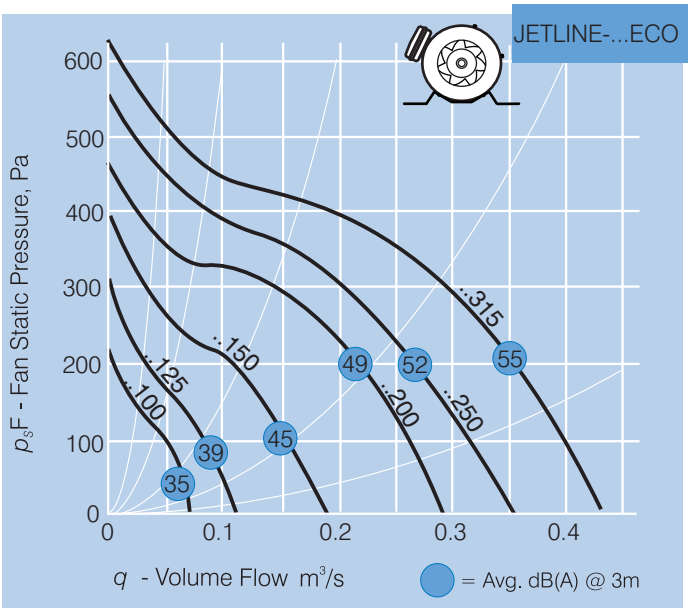


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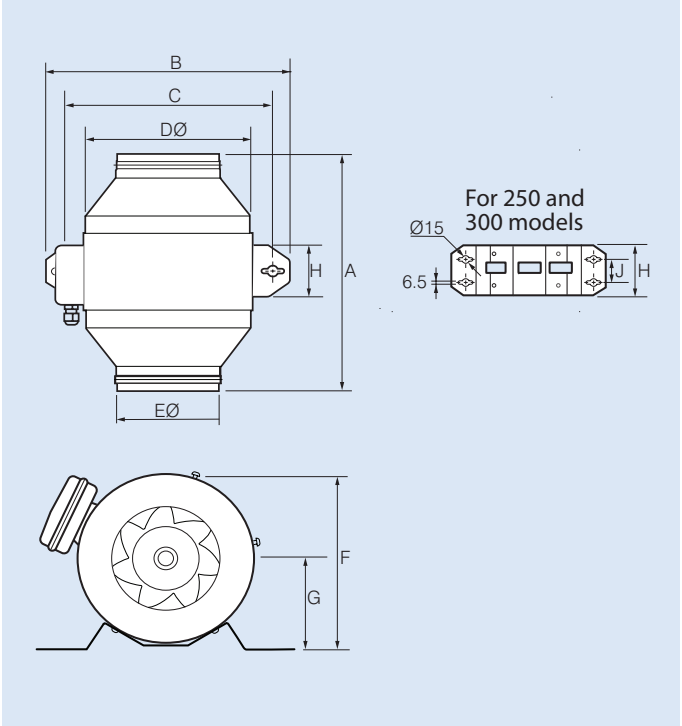
TECHNICAL DATA & NOISE LEVELS

Model		dB(A)	Free Field Inlet/Outlet, and Breakout Sound Power Levels LwdB re 1pW							
JETLINE-...	Type	@3m*	63	125	250	500	1k	2k	4k	8k
	Inlet	35	58	50	53	53	49	48	47	35
100ECO	Outlet	34	54	53	53	53	48	46	47	34
	Breakout	14	48	30	28	28	28	28	29	19
	Inlet	39	58	52	56	57	54	52	51	41
125ECO	Outlet	40	57	56	58	58	54	52	51	41
	Breakout	20	48	34	34	34	35	34	34	25
	Inlet	45	60	56	62	63	60	58	56	50
150ECO	Outlet	45	60	59	63	63	60	59	55	48
	Breakout	27	48	39	40	40	42	41	40	33
	Inlet	49	61	58	66	67	65	62	59	56
200ECO	Outlet	49	63	62	67	66	64	63	57	53
	Breakout	32	48	42	45	45	48	46	44	38
	Inlet	52	62	61	69	70	68	65	62	60
250ECO	Outlet	51	64	63	69	68	67	66	59	56
	Breakout	35	48	44	48	48	51	49	46	41
	Inlet	55	63	63	72	73	71	68	64	65
315ECO	Outlet	54	66	64	72	71	70	69	61	60
	Breakout	39	49	47	52	51	55	54	49	46

* Sound levels taken at medium-level pressure



DIMENSIONS



Model Number	Dimensions, mm									App. wt.
JETLINE-...	A	B	C	DØ	EØ	F	G	H	J	kg
100ECO	276	306	256	181	95	190	98	70	-	2.5
125ECO	279	315	265	206	120	214	111	70	-	2.8
150ECO	323	348	299	244	145	252	130	70	-	3.6
200ECO	322	369	320	273	195	281	145	100	-	4.7
250ECO	329	375	326	293	245	301	155	120	50	5.8
315ECO	369	407	358	322	310	331	170	120	50	9.6

Scan the QR Code to view more information online.

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