

JETLINE SERIES



DESCRIPTION

The Jetline is a high performance, low profile in-line fan featuring 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

- 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.
- Includes plug and lead for easy installation.

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 – Single-speed, squirrel cage induction motor.

Electricity supply – 220-240V, single-phase, 50/60Hz for 100-250 models.

- 220-240V, single-phase 50Hz for 315 model.

Bearings - sealed for life, ball.

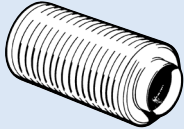


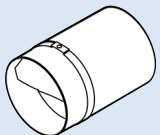

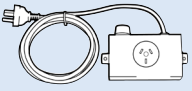
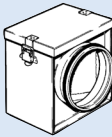
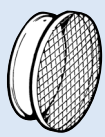
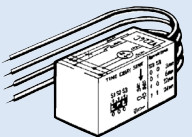
Speed-controllable using VA type speed controllers.

Class F Insulation, IP44.

See pages O-3/4 for details on motors.

Internal Thermal Protection

By fuse for 100-125 models, and for 150-315 models 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	 VA - Speed controller Ref. M-5	 Plug-In Run-on Timer and Speed Controller Ref. M-16
 FGR - Filter Unit Ref. J-10	 MRJ - Inlet grille Ref. J-9	 VZ - Run-on timer Ref. M-14

SUGGESTED SPECIFICATION

The in-line fans shall be of the Jetline 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 single-phase, speed motor with integral thermal protection. The fan outer casing and mounting foot shall be of pressed galvanised steel and internal housing including the impeller made from injected moulded plastic.

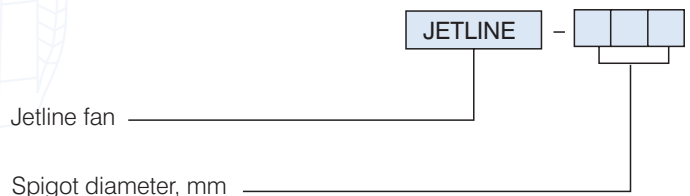
All models shall be fully tested to ISO5801: Part1, 1997 for air flow and ISO 13347-3 2004 for noise.

TECHNICAL DATA

Model Number	Fan Speed rev/sec	Avg. dB(A) @ 3m*	JETLINE.. 1ph Watts	1ph Amps	Max. amb °C
100	45	35	19	0.1	60
125	44	41	40	0.2	60
150	46	46	83	0.4	60
200	44	51	125	0.5	60
250	45	53	160	0.7	60
315	43	52	215	0.9	60

* Inlet Sound Levels

HOW TO ORDER

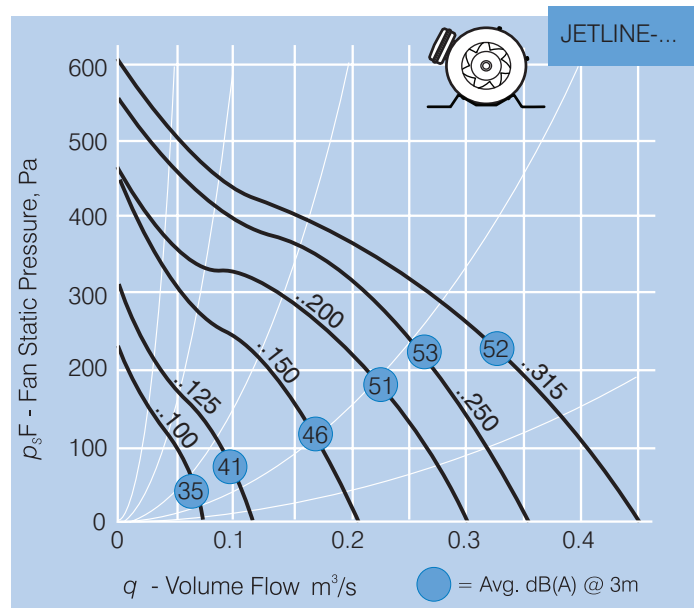


TECHNICAL DATA & NOISE LEVELS

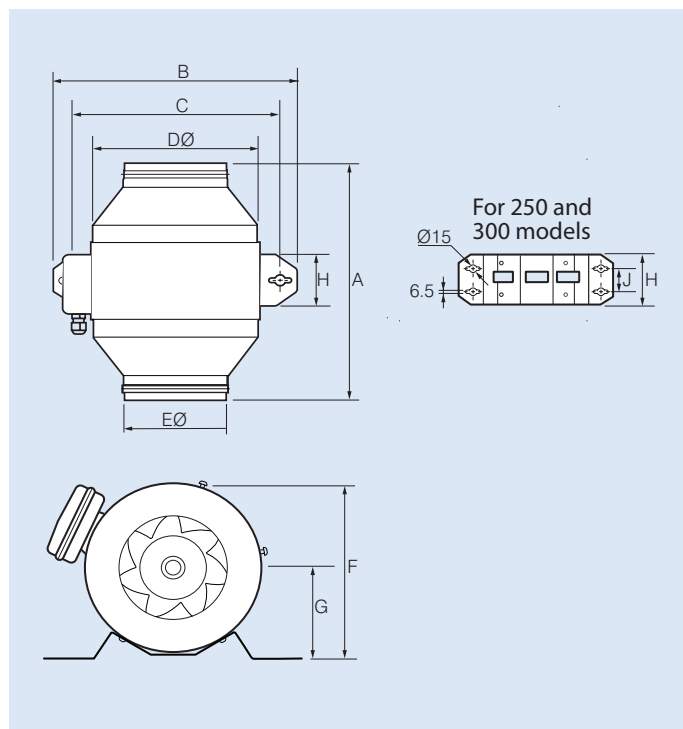
Model JETLINE-...	Type	dB(A) @ 3m*	Free Field Inlet/Outlet, and Breakout Sound Power Levels Lw dB re 1pW							
			63	125	250	500	1k	2k	4k	8k
100	Inlet	35	53	47	51	50	51	47	47	35
	Outlet	33	53	48	53	50	48	45	45	35
	Breakout	16	42	29	30	27	32	30	30	18
125	Inlet	41	66	53	59	61	52	53	50	42
	Outlet	41	54	63	57	61	54	53	53	40
	Breakout	19	56	40	34	35	31	32	31	24
150	Inlet	46	54	55	67	65	58	59	56	50
	Outlet	44	54	59	65	64	57	57	54	45
	Breakout	25	39	42	43	42	38	39	39	33
200	Inlet	51	56	56	65	69	68	63	61	58
	Outlet	49	54	60	66	67	65	61	57	54
	Breakout	36	45	49	53	54	53	45	44	40
250	Inlet	53	67	59	69	70	70	65	60	61
	Outlet	52	60	62	71	69	68	67	57	56
	Breakout	39	54	48	48	54	57	53	44	37
315	Inlet	52	59	65	71	70	68	65	60	63
	Outlet	54	62	66	71	70	70	69	59	58
	Breakout	43	44	59	65	59	61	54	45	40

* Sound levels taken at medium-level pressure

FANS IN PARALLEL



DIMENSIONS



Model Number JETLINE-...	Dimensions, mm									App. wt. kg
	A	B	C	DØ	EØ	F	G	H	J	
100	276	306	256	181	95	190	98	70	-	3.0
125	279	315	265	206	120	214	111	70	-	3.4
150	323	348	299	244	145	252	130	70	-	4.5
200	322	369	320	273	195	281	145	100	-	5.6
250	329	375	326	293	245	301	155	120	50	6.5
315	369	407	358	322	310	331	170	120	50	10.0

JETLINE ECOWATT SERIES



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.

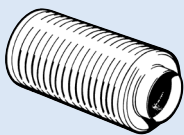


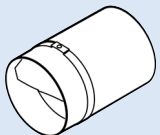

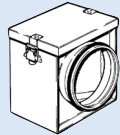
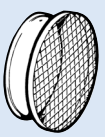
Speed-controllable via the internal potentiometer located in the terminal box or using an EC type speed controller via a 0-10V external signal.

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.

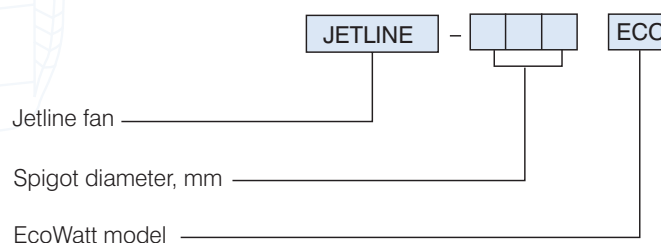
All models shall be fully tested to ISO5801: Part1, 1997 for air flow and ISO 13347-3 2004 for noise.

TECHNICAL DATA

Model Number JETLINE-..	Fan Speed rev/sec	Avg. dB(A) @ 3m*	JETLINE.. 1ph Watts	1ph 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

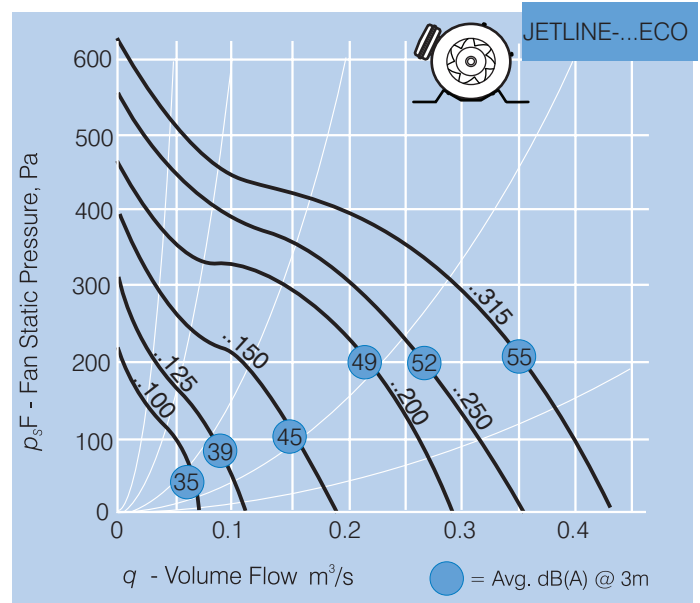
HOW TO ORDER



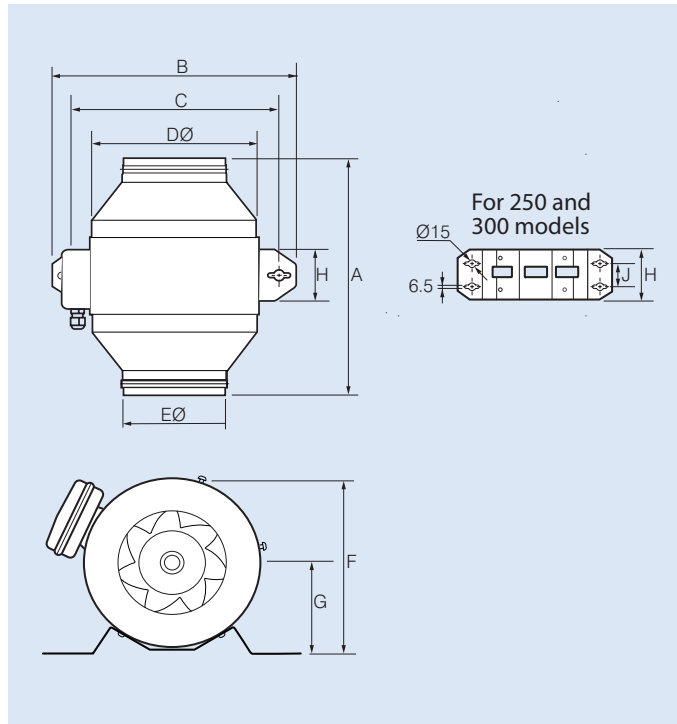
TECHNICAL DATA & NOISE LEVELS

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