



IN-LINE RECTANGULAR DUCT FANS

ILB / ILT Series

ILB/4-225 *230V 50* VE



For ATEX versions, please see ILT ATEX Series



Range of in-line rectangular duct fan manufactured from galvanised steel sheet and provided with an inspection cover that can be removed to access the motor/impeller assembly without having to remove the complete fan casing from the ducting. All model incorporate directdrive forward curved centrifugal impeller.

Motors

Available, depending upon the model, in 4, 6 or 8 poles.

Three phase motors are speed controllable by inverter

All motors are IP55, class F insulation, equipped with thermal protection.

All motors incorporate ball bearings greased for life.

Electrical supply:

-Single phase 230V-50Hz.

-Three phase 230/400V-50Hz.

(See characteristics chart).

All single and three phase motors are speed controllable by voltage. And all three phase motors are also suitable for inverter control.

+ Attributes



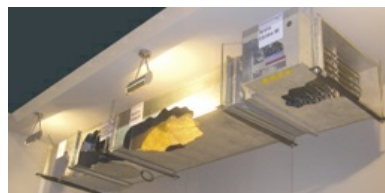
Easy to install
Standard rectangular flanges to ease the installation.



IP55 remote terminal box
To ease installation and maintenance and connection to external controls.



Inspection cover
To facilitate maintenance.



Complete solution for ventilation systems
In-line ILB/ILT fan mounted together with a bag filter IFL, an acoustic attenuator IAA, a flexible connector IAE and an electrical heater battery IBE.

+ Acoustic characteristics

Hz	63	125	250	500	1k	2k	4k	8k	Overall
Inlet (LwA)	35	47	50	55	56	53	48	39	60
Inlet LpA @ 1.5m	20	32	35	40	41	38	33	24	46
Outlet (LwA)	32	47	50	56	61	58	56	49	64
Outlet LpA @ 1.5m	17	32	35	41	46	43	41	34	50
Breakout (LwA)	36	41	42	44	47	47	42	32	52
Breakout LpA @ 1.5m	21	26	27	29	32	32	27	17	38

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+ Technical characteristics

CONSTRUCTION

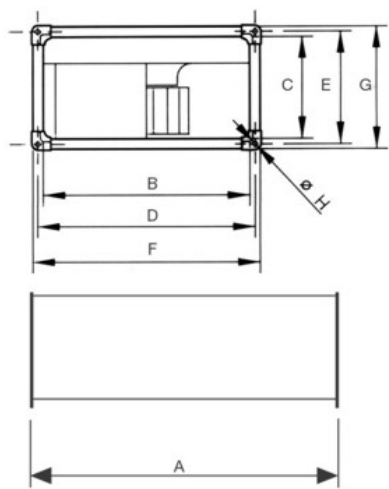
Diameter	225
Fan size	225
Blades	0
Weight	20.00 kg

MOTOR CHARACTERISTICS

Number of poles	4
Motor Power	0
Maximum absorbed current	2.5 A
Voltage	1-230V-50Hz
IP Rating	IP55
Motor insulation class	

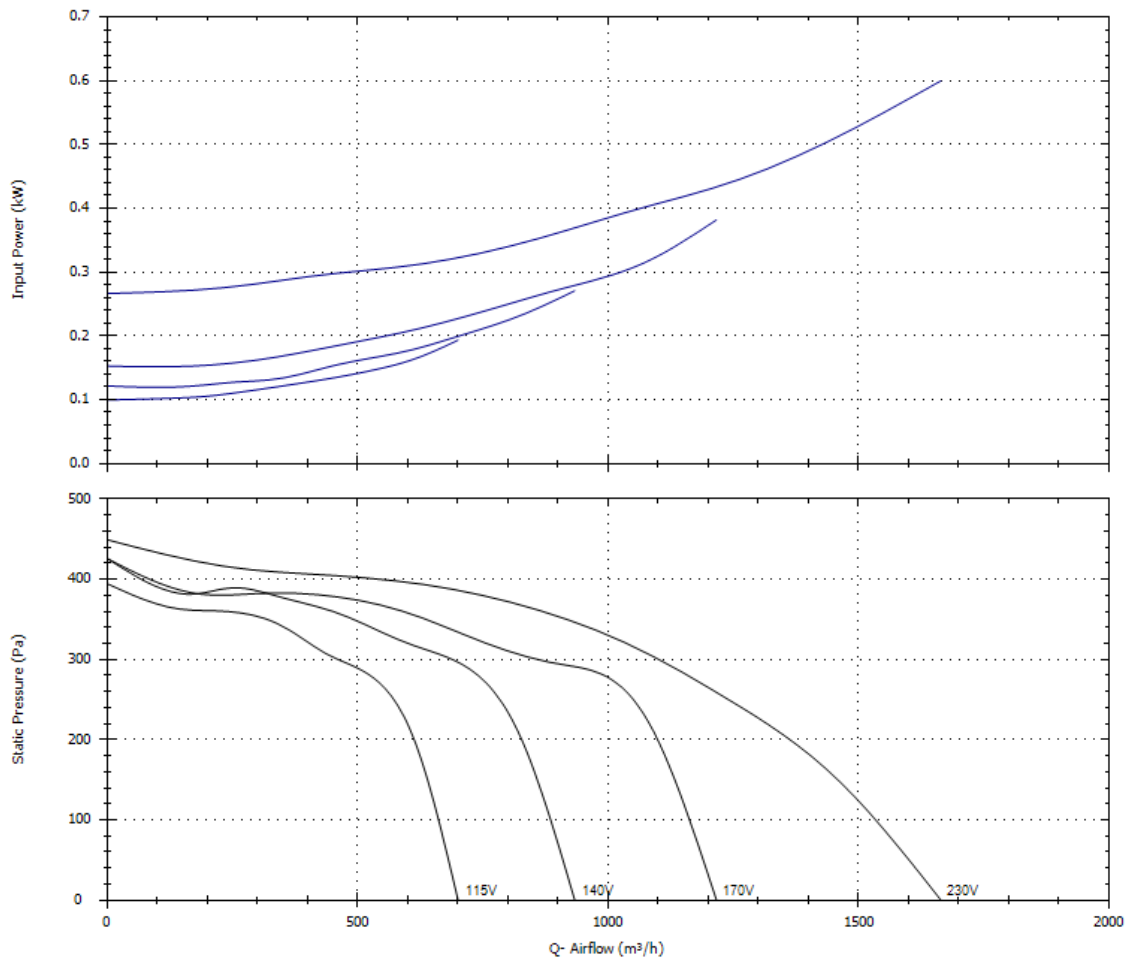
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+ Dimensions



A	B	C	D	E	F	G	H
535	500	248	520	270	540	290	9

+ Curves



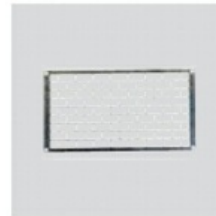
+ Mounting Accessories



ISA
Anti-vibration
mounting
(1 ISA = 4 supports)



IBR
Rectangular duct
flange



DEF
Rectangular
protection guard



IAE
Rectangular flexible
connector.



IAA
Sound attenuators
Designed to reduce
in-duct sound levels.
All models are
designed in 1m length.



IJK
Damper
Supplied with standard rectangular flanges.
Manufactured from galvanised sheet steel.
Fitted as standard with removable handle.
Shaft diameter: 10 mm.
As accessory: electrical damper actuator LM230A.



IFL-G4
Filtration box with IFR-G4 filters incorporated
Casing manufactured from galvanised sheet
steel and provided with G4 filter type.
Supplied with standard rectangular flanges.
Access door to ease filter replacement.
Can be fitted in any position.
Working temperature up to 80°C.
Maximum recommended differential pressure.

Maximum recommended differential pressure:
200Pa.
Spare filter: IFR .. G4.
As accessory: Differential pressure switch
(DPS 2-30 pressure switch - 20 to 300Pa).



IFL-F filtration box.



IFL-F filtration box with
IFR-F filter installed.

IFL-F

Filtration box (Casing supplied without filter) to install IFR-F filters.

Casing manufactured from galvanised sheet steel, supplied without filter and used to mount IFR filter type.

Supplied with standard rectangular flanges.

Access door to mount the IFR filter and to ease filter replacement.

Can be fitted in any position.

Differential pressure switch as accessory
(DPS 2-30 and 10-100 pressure switches - 20 to 300Pa and 100 to 1000Pa)



IFR-F

Filters to install IFL-F filtration box

Filter IFR-F5

Class filter grade F5 (EU5).
Maximum working temperature 80° C.
Maximum recommended differential pressure 450 Pa.

Filter IFR-F6

Class filter grade F6 (Eu6).
Maximum working temperature 80° C.
Maximum recommended differential pressure 450 Pa.

Filter IFR-F7

Class filter grade F7 (EU7).
Maximum working temperature 80° C.
Maximum recommended differential pressure 450 Pa.

Filter IFR-F8

Class filter grade F8 (Eu8).
Maximum working temperature 80° C.
Maximum recommended differential pressure 450 Pa.



IBE

Electric heater

For more information see Heating range.



IBW

Hot water coil

Casing manufactured from galvanised sheet steel.

Copper tubes and aluminium fins.

Supplied with standard rectangular flanges.

Can be fitted in horizontal or vertical position.

Maximum water pressure 16bar.

Maximum water temperature: 110°C (130°C at 10bar)

As accessory: Filtration box and pressure switch to reduce and control the coil clogging.



PWW

Complete mounting kit for hot water coil

For more information see Electrical accessories.

+ Electrical Accessories



RMB/RMT
Fan speed controllers.



DPS 2-30
DPS 10-100
Differential pressure switches:
- DPS 2-30: from 20Pa to 300Pa.
- DPS 10-100: from 100Pa to 1000Pa.



LM-230A
Electrical damper actuator.



TTC-2000
TTC-2000 + TTS-1
Three phase electric heater controller.
The TTC-2000 needs an external temperature sensor to control the heater (TG-K300 or TG-R530).



TTC-40F + TTS-4
Three phase electric heater controller.
The TTC-40F needs an external temperature sensor to control the heater (TG-K300 or TG-R530).



TG-K330
Duct temperature sensor.
TG-R530
Room temperature sensor.