EC TECHNOLOGY

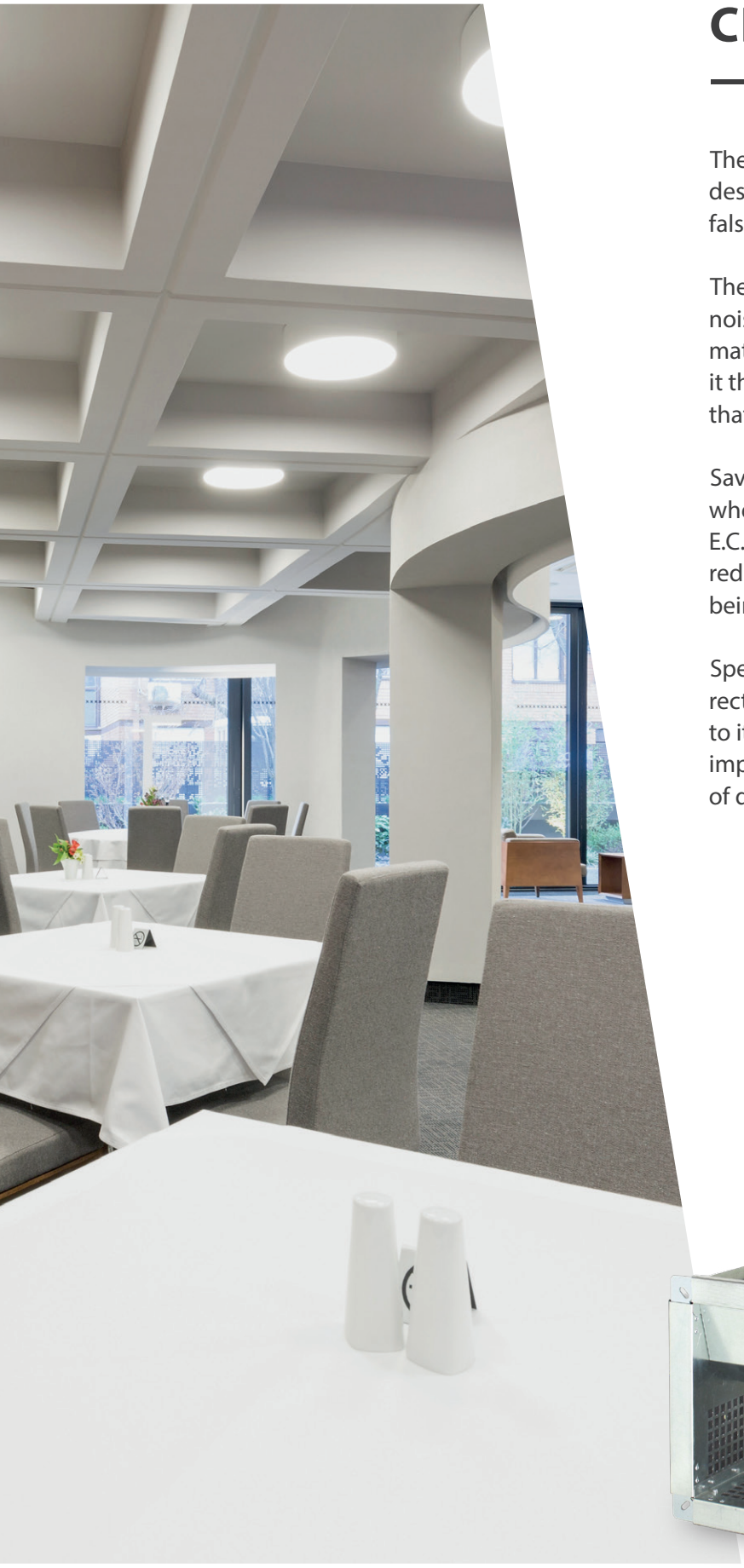
CL/PLUS/EC

- E.C. TECHNOLOGY MOTOR WITH BUILT-IN ELECTRONICS
- 40MM THICK ACOUSTIC CASING
- INSPECTION HATCH FOR EASY MAINTENANCE
- EASY TO INSTALL IN ANY POSITION

SODECA®

CE ACCORDING ErP 2018

IN-LINE EXTRACT FANS
FOR RECTANGULAR DUCTS



CL/PLUS/EC

The CL/PLUS/EC in-line fan line has been designed for installation in tight spaces and false ceilings.

The 40 mm thick acoustic casing, which reduces noise through the use of high-quality insulation materials designed for these applications, makes it the perfect fan for installation in applications that require low noise levels.

Saving energy is an important consideration when selecting this fan. The high performance E.C. Technology electric motor is a key element in reducing electrical consumption, in addition to being easy to regulate with any 0-10V signal.

Specially designed for easy installation in rectangular ducts, it is easy to maintain thanks to its inspection hatch and backward curved impeller blades, which minimise the build-up of dust and dirt.

CL/PLUS/EC

In-line extract fans for rectangular ducts with a 40 mm thick acoustic casing to reduce noise and E.C. Technology motor.

Fan:
- Galvanised sheet steel casing.
- 40mm thick acoustic casing.
- Impeller with backward curved blades.
- Linear airflow direction.
- Fitted with a folding inspection hatch for ease of maintenance.

Motor:
- High efficiency E.C. Technology motors with external rotor, regulated by 0-10V signal.
- Single-phase 200-240V– 50/60Hz and three-phase 380-480V– 50/60Hz.
- Temperature of air through fan: -25ºC to +60ºC

Finish:
- Anti-corrosive finish on galvanised sheet steel.

Order code

CL/PLUS/EC — 5030

CL/PLUS/EC: In-line extract fans for rectangular ducts with acoustic insulation and E.C. Technology motor.

Connection dimensions

Technical characteristics

Model	Speed	Maximum admissible current (A)		Max. electric power	Maximum flow rate	Sound pressure level at 50% of max. speed*	Weight	According ErP
	(r/min)	230V	400V	(W)	(m^3/h)	dB(A)	(kg)	
CL/PLUS/EC-3015	3570	1.01		127	591	31	12	2018
CL/PLUS/EC-4020	3265	1.35		176	958	36	17	2018
CL/PLUS/EC-5030	1920	1.35		175	1964	29	26	2018
CL/PLUS/EC-6030	2377	2		450	2080	35	35	2018
CL/PLUS/EC-6035	1550	2		460	3450	38	39	2018
CL/PLUS/EC-7040	2000		1.68	950	5650	39	51	2018
CL/PLUS/EC-8050	1250		2	1150	7315	36	66	2018

*Irradiated sound pressure level in dB(A) at a distance of 1.5 m and at maximum flow rate.

Erp. (Energy Related Products)

Information on Directive 2009/125/EC can be downloaded from the SODECA website or the QuickFan selector programme.

Accessories

SPEED CONTROL

SENSORS

INT

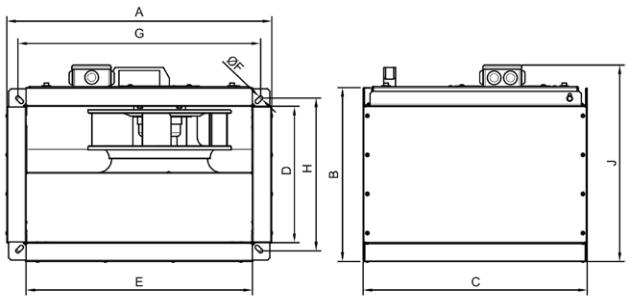
Acoustic characteristics

Sound power spectrum Lw(A) in dB(A) per Hz frequency band.
Irradiated values at maximum speed and medium flow rate.

Model	63	125	250	500	1000	2000	4000	8000
CL/PLUS/EC-3015	33	43	42	47	45	46	45	41
CL/PLUS/EC-4020	50	50	43	50	44	42	45	45
CL/PLUS/EC-5030	30	44	33	32	44	25	24	19
CL/PLUS/EC-6030	31	46	48	51	50	51	46	40

Model	63	125	250	500	1000	2000	4000	8000
CL/PLUS/EC-6035	37	52	41	42	34	29	27	27
CL/PLUS/EC-7040	32	38	50	56	53	53	48	48
CL/PLUS/EC-8050	30	42	45	50	50	50	47	41

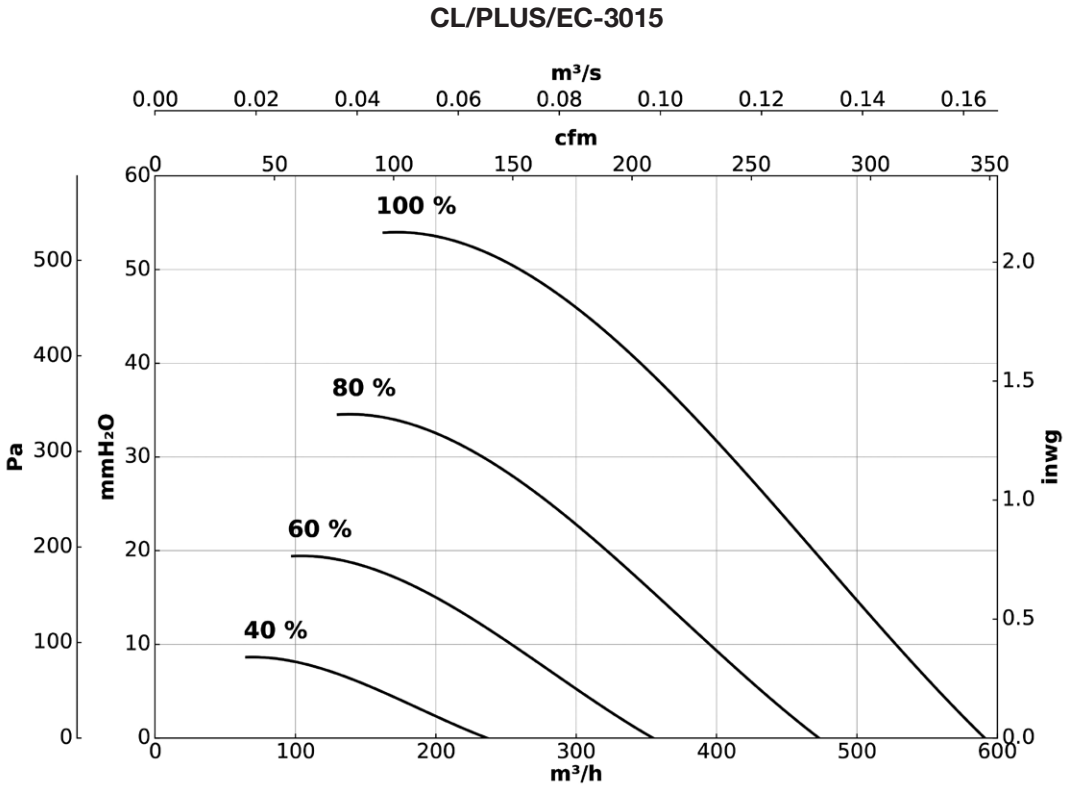
Dimensions mm



Model	A	B	C	D	E	ØF	G	H	J
CL/PLUS/EC-3015	385	235	335	150	300	Ø9	335	185	280
CL/PLUS/EC-4020	485	285	415	200	400	Ø9	435	235	330
CL/PLUS/EC-5030	495	385	495	300	500	Ø9	535	335	430
CL/PLUS/EC-6030	685	385	610	300	600	Ø9	635	335	430
CL/PLUS/EC-6035	685	435	610	350	600	Ø9	635	385	480
CL/PLUS/EC-7040	785	485	705	400	700	Ø9	735	435	540
CL/PLUS/EC-8050	885	585	825	500	800	Ø9	835	535	630

Characteristic curves

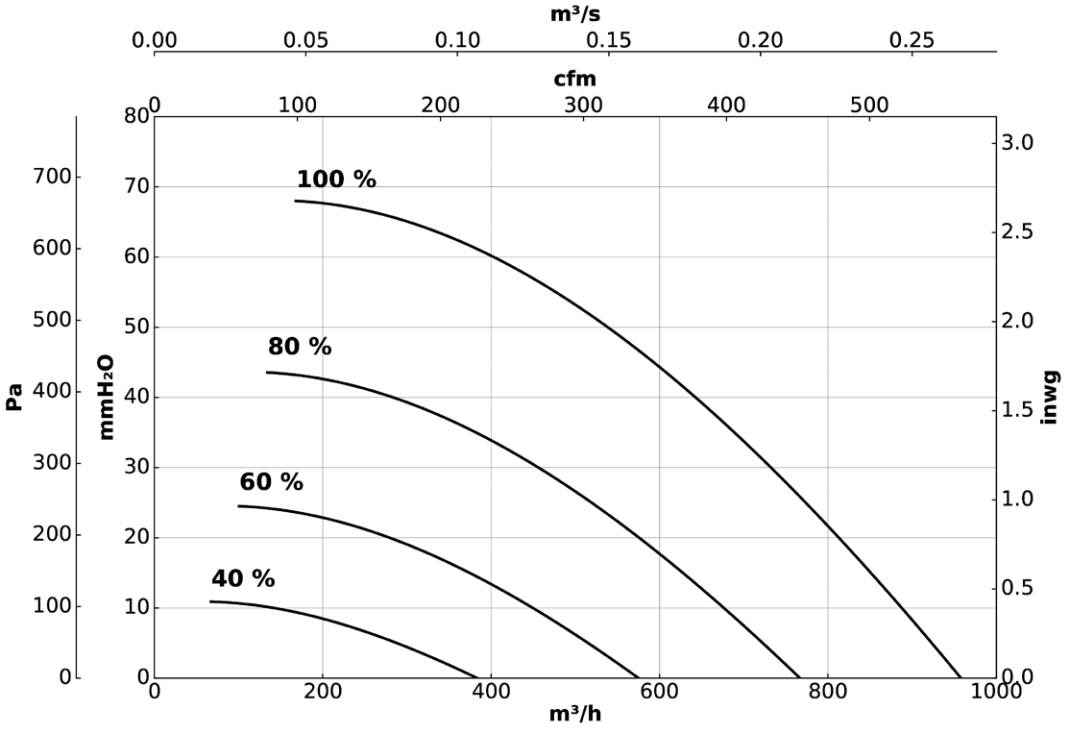
Flow rate in m^3/h, m^3/s and cfm. Static pressure in mm H_2O, Pa and inwg.



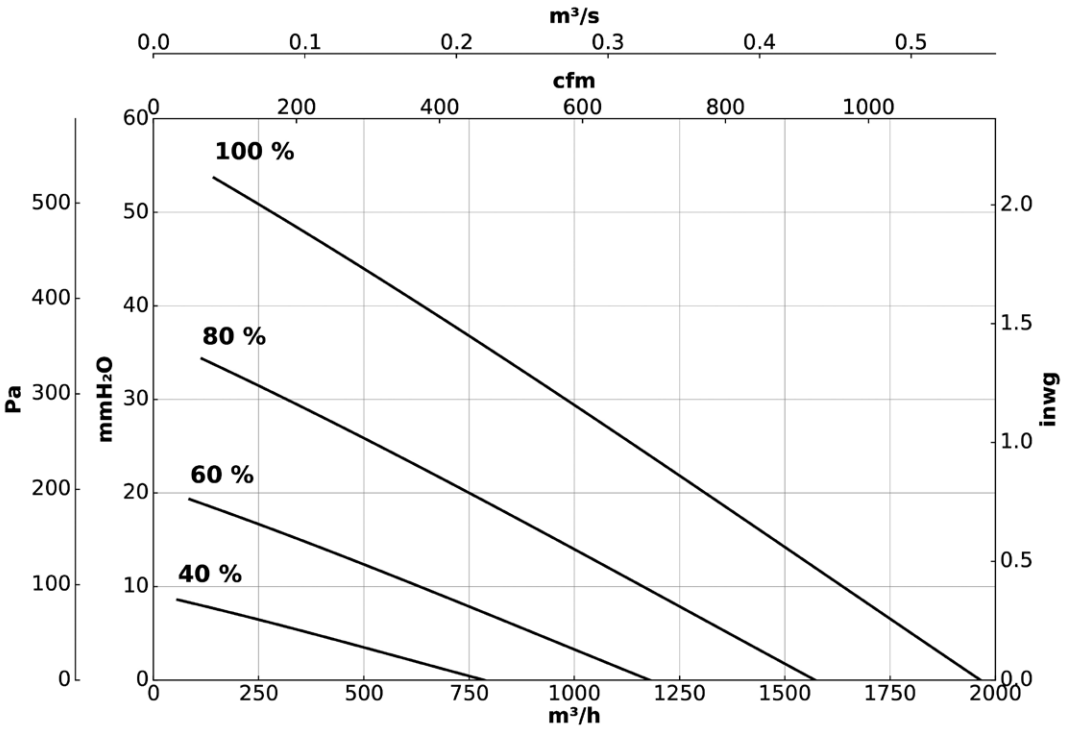
Characteristic curves

Flow rate in m^3/h, m^3/s and cfm. Static pressure in mm H_2O, Pa and inwg.

CL/PLUS/EC-4020



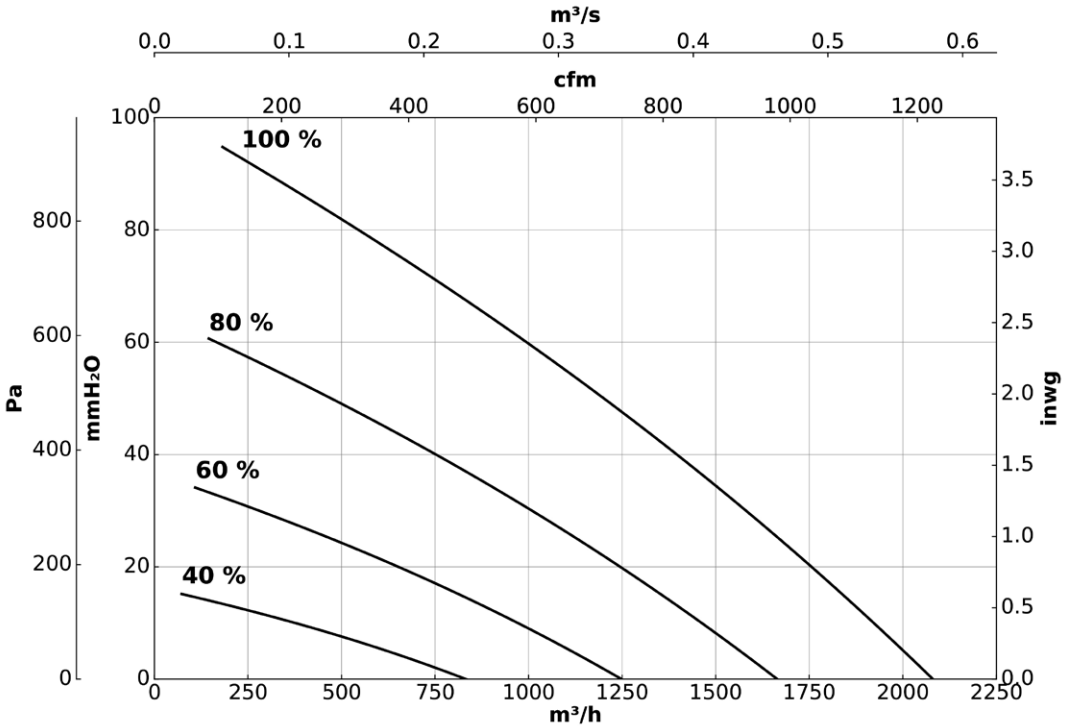
CL/PLUS/EC-5030



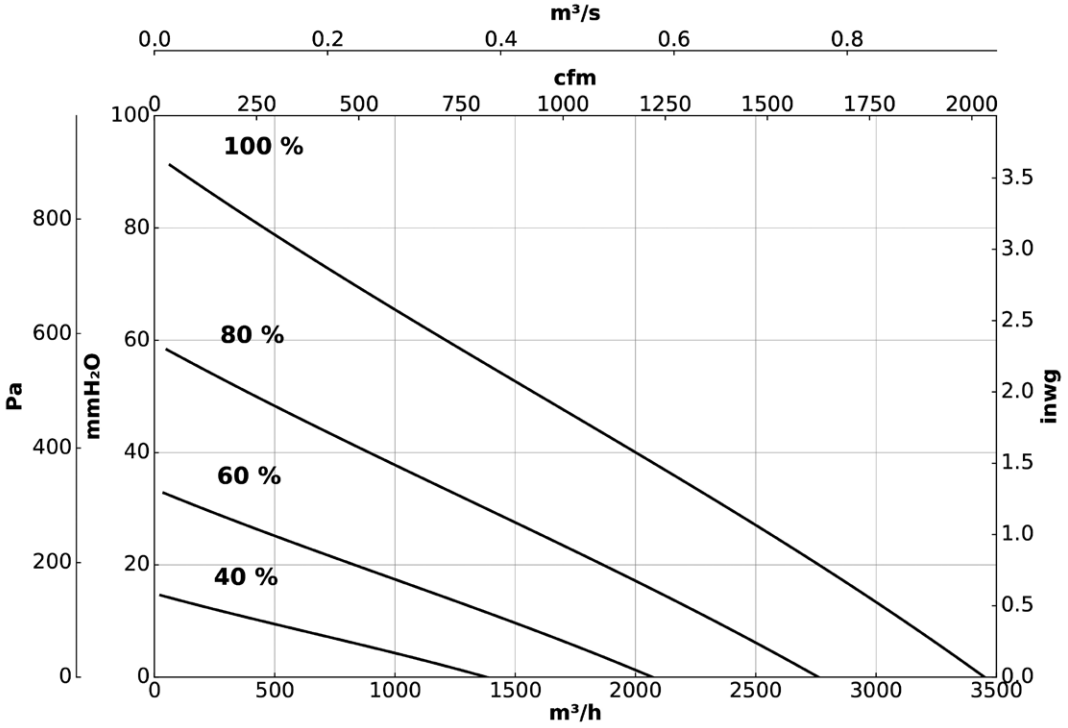
Characteristic curves

Flow rate in m^3/h, m^3/s and cfm. Static pressure in mm H_2O, Pa and inwg.

CL/PLUS/EC-6030



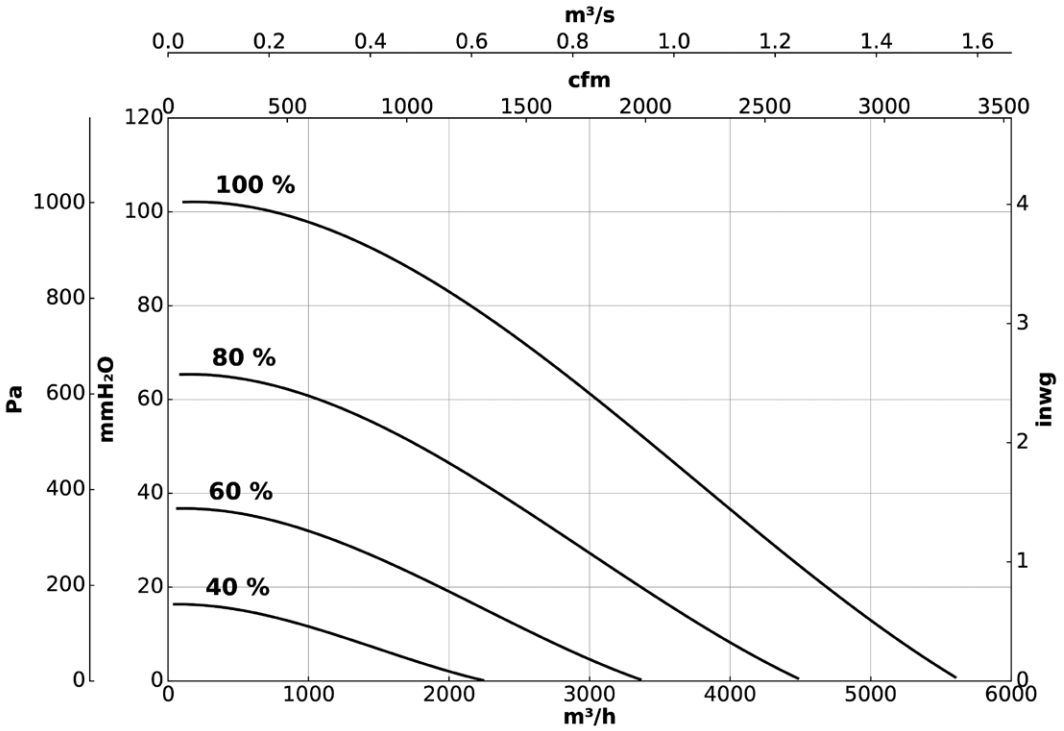
CL/PLUS/EC-6035



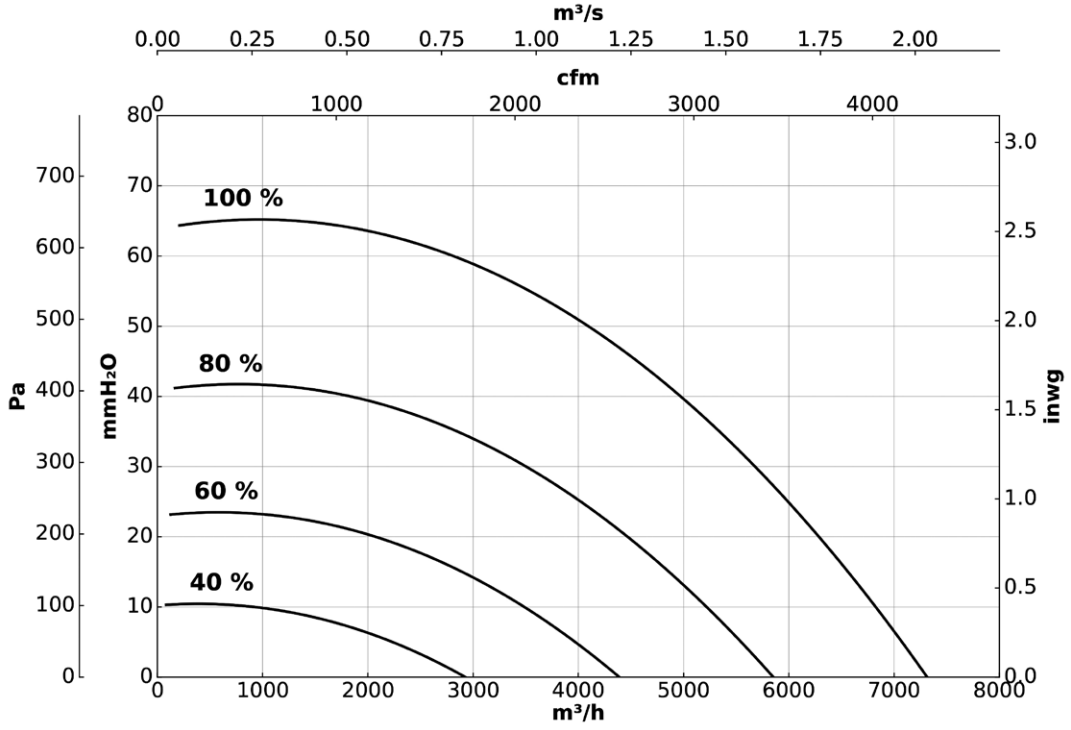
Characteristic curves

Flow rate in m^3/h, m^3/s and cfm. Static pressure in mm H_2O, Pa and inwg.

CL/PLUS/EC-7040



CL/PLUS/EC-8050



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